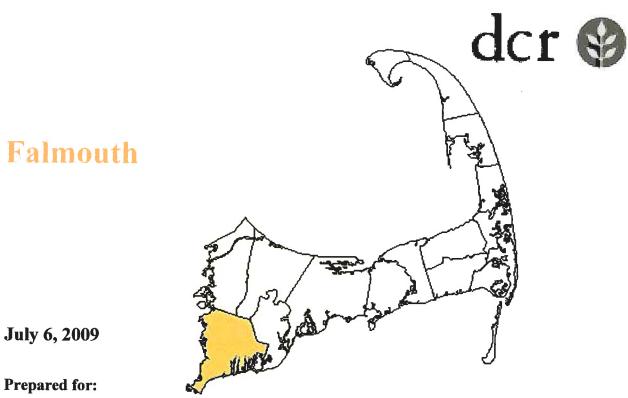
Massachusetts Coastal Infrastructure **Inventory and Assessment Project** Massachusetts Department of Conservation and Recreation Office of Waterways

Upper Cape Cod



Prepared for:

Massachusetts Department of Conservation and Recreation Hingham, Massachusetts

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In Association With:

Applied Coastal Research & Engineering



Upper Cape Cod

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Section I

Coastal Hazards Infrastructure and Assessment Program

INTRODUCTION

PURPOSE

DEVELOPMENT OF MassGIS DATABASE ATTRIBUTES

DEVELOPMENT OF REPAIR / RECONSTRUCTION COSTS



Massachusetts Coastal Infrastructure Inventory and Assessment Project Coastal Hazards Commission

Section I - Coastal Hazards Infrastructure and Assessment Program

INTRODUCTION

The Project and Client

The Commonwealth of Massachusetts has initiated a Coastal Hazards Commission (CHC) to identify the vulnerability of the state to coastal hazards. As one of five working groups working under the CHC, the 20-Yr Infrastructure Plan was to establish a prioritization for the repair of coastal structures. The focus areas of the Working Group include:

- Publicly owned infrastructure
- Infrastructure for which State is responsible
- Inventory of public hazards infrastructure
- Evaluation on conditions
- Development for a prioritization of work
- Estimation of capital and maintenance costs

The 20-Yr Infrastructure Working Group is led by Representative Frank Hynes with CZM as the lead State Agency overseeing the management of the project. The Massachusetts coastline has been broken up into 4 major regions consisting of the North Shore, Boston, South Coast, and the Cape and Islands. The South Shore (the Towns of Hull, Cohasset, Seekonk, Hingham, Plymouth, Kingston, Scituate and Duxbury) was previously evaluated by Bourne Consulting Engineering as a demonstration project in 2006.

Consultant Team

The consultant team that performed the demonstration project was led by Bourne Consulting Engineering (BCE) of Franklin, MA who was responsible for overall project management, specified areas of field assessments, and research. Assisting BCE was Applied Coastal Research and Engineering Inc. of Mashpee, MA, Childs Engineering Corporation, of Medfield, MA., and Waterfront Engineer LLC of Stratham, NH.

PURPOSE

Study Purpose

CZM seeks to identify the capacity of Massachusetts coastal structures to resist major coastal storms and prevent storm damage. In working toward this goal, CZM has initiated a program to perform an assessment of Commonwealth owned and/or maintained coastal structures. The first phase of this program was the performance of a demonstration project for coastal structures located on the South Shore. The demonstration project identified existing structures, their general conditions, ability to provide coastal protection and the probable cost for repairs. The information collected and developed has been incorporated into the MassGIS system to allow use for developing a 20 Year Coastal Infrastructure Plan.

The demonstration project served as a basis for the current statewide inventory assessment of all Commonwealth coastal structures and the needs for their maintenance and/or repair.

Goals of Study

The goals of the Massachusetts Coastal Infrastructure Inventory and Assessment Project include:

- To identify all the coastal structures the state either owns or has responsibility to maintain for the 4 regions included within the study
- Of the structures identified, determine the structure location and characteristics, the structure condition relative to providing coastal protection and the structure importance in relation to what it is protecting.
- To the degree possible, identify the structure elevation and the FIRM mapping flood elevation and category.
- To the degree possible, identify structure owner and available documents from local, state and federal agencies.
- To establish an estimated cost to rehabilitate the coastal structures to provide the level of project established in the structure's original design.
- Provide the information in a format compatible for incorporation into the MassGIS system

Limit of Study

Due to the time constraints and the amount of effort necessary to collect, process and compile the information, the following are identified as limitations of the information presented:

- All property ownership was taken as presumed. No legal investigation of ownership was
 performed during the project. Property ownership is based on town assessor maps. Where
 structures were located outshore of assessor map defined property lines, it was assumed to be
 Town land unless other information indicated otherwise. Where structures were located outshore
 of Mean Low Water, property is assumed to be State owned.
- The structure ownership was based on assessor maps and research at the local, state and federal levels. Where there was indication of public work on a structure on Town land or on private property, the structure was presumed to be Town owned. Where the structure was on state property, the structure was presumed to be state owned. Where ownership of the structure was not clear but was located on private property, the structure ownership was defined as unknown.
- The study included town and state owned structures as it was assumed that most town owned structures received state funding at some level for construction and/or maintenance.
 - o Structures that were determined to be private were not included.
 - O Undocumented structures considered to be on private land, but having the potential to have been publicly built and/or maintained, were identified as having an "unknown ownership".
- The prioritizing of structures was based primarily on risk to general infrastructure and density of housing. Infrastructure included was buildings. The study did not consider all infrastructure issues including:
 - o No consideration on utility impacts water, electrical, sewer, gas
 - o No consideration of roadway and bridge protection
 - o Evacuation routes were not considered within the investigation
 - o Location of Emergency Shelters were not included in priority assessments
- Research was performed at the local, state and federal levels. The local research was limited to
 location and documenting available coastal structure contract drawings. Research at DCR was
 restricted to available historic construction plans for coastal structures at the MA-DCR
 Waterways office in Hingham, MA, and MA-DCR Division of Urban Parks and Recreation in

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Boston, MA. No investigation of state archives was performed. Research at MA DEP Chapter 91 and USACE was limited to recorded permits and licenses found in their files. No investigation was performed at the Registry of Deeds.

DEVELOPMENT OF MassGIS DATABASE ATTRIBUTES

The specific attributes that would be incorporated into the MassGIS system were developed based on the scope of work and the goals to be achieved. The following was established to standardize the data collection and presentation and to allow total flexibility for sorting by attributes in the final GIS database. The attributes identified below were input into a MS Access database which was used to manage the data from all eight communities within a single file.

Database Attributes

Attribute Descriptions/Definitions

Structure Number: A unique structure number was given to each coastal structure. The number was based on existing numbering systems that include the State Department of Environmental Protection community number followed by the local community assessor's parcel numbering system. The last three digits of the number represent the structure within the parcel. Where structures extend over several parcels, the structure is referenced to a parcel that is approximately in the center of the structure. Where Town assessor's references include letters, those are also included within the structure number. Some communities have block numbering within their numbering system and these are included. Communities without block numbering still have the block numbering included but these are illustrated as all zeros for that specific segment.

Structures that are on Town property, which would otherwise not have a parcel number, are referenced to a parcel that is in the immediate vicinity of the coastal structure.

On this basis, the following is the general numbering convention:

CCC-MMM-BBB-PPP-SSS

Where:

CCC

DEP Community Number

MMM

Community Map Number

BBB

Block Number (000 if no block numbering system)

PPP

Community Parcel Number

SSS

Structure Number

<u>Property Ownership</u>: All property ownership was on a "presumed" basis as no legal verification of ownership was performed. The ownership of the property was classified under four basic areas which were private ownership (Private), Town ownership (Local), Commonwealth of Massachusetts ownership (State), federal government ownership (Federal) or unknown. Property ownership was based on Town assessor's maps. Where the location was located above Mean Low Water, and not within a defined parcel, the property ownership was presumed to be the Town unless documentation was found to indicate otherwise. Where a structure was located offshore of Mean Low Water, the property ownership was presumed to be federal.

<u>Structure Ownership</u>: The ownership of all structures is presumed as no verification of ownership was performed. Ownership of the structure was determined by research into historic state and federal



permits and the entity indicated on the permits as the applicant. Where no other information was found, the following was utilized:

- Structures located on private land but appearing to be significant structures were identified as
 owned by the Town or as "Unknown". Unknown was used were there was a question of
 local or private ownership.
- Structures on Town property were assumed to be owned by the Town
- Structures that were located off-shore were presumed to be federally owned
- Structures that were identified as being privately owned were eliminated from the database

<u>Basis of Ownership</u>: The basis of structure ownership was provided to give rationale to the structure ownership and identified the research resource that identified the ownership or the methodology otherwise used. The responses utilized were limited to the following:

- DPW DPW Employee Interview
- DCR Contract Drawings
- DEP Ch 91 License
- USACE Permits
- Property Ownership
- Offshore Structure

<u>Structure Owner's Name:</u> Ownerships names reflect the presumed owner of publicly owned structures. As this was for public structures only, the ownership was restricted to the community name, the state agency or the federal agency.

Earliest Structure Record: The year of the oldest document located for the structure. The information is determined from the document research performed on the structure from local, state and federal agencies. If no documents could be found than this entry is denoted as 'Unknown'. Where documentation of the structure could be found, the date from the oldest document was utilized.

<u>Primary Structure</u>: Many of the coastal structures consisted of combined structures which were rated separately. It was typically found that one structure was significantly more predominant (Ex. Bulkhead/Seawall) and was therefore identified as the Primary Structure while a smaller structure might exist in front (ex. Revetment) of it. The type, height and material of each structure are identified separately. The condition of each structure was based on the Primary Structure. Where there was no secondary structure, the fields were left blank.

<u>Structure Type:</u> The structure type was categorized into five basic coastal structure categories which were Bulkhead/Seawall, Revetment, Coastal Beach, Coastal Dune, and Jetty/Groin.

<u>Structure Material:</u> The identification of the coastal structure's material of construction was performed and represents the primary material. Stone structures consisted of both mortared and non-mortared conditions.

<u>Structure Height:</u> Each type of structure was categorized by its visible height in feet which was broken into four specific ranges which are:

< 5 feet 5 to 10 feet 10 to 15 feet >15 feet

Structure Condition: A preliminary assessment of the condition for each structure was performed by the field teams. This was by visual observation only and no detailed investigation was performed. The condition assessments were based on a predefined five level rating system that ranged from Rating A for Excellent Condition to Rating F for Critical Condition. A detailed listing of the conditions and their definitions can be seen in Exhibit A.



<u>Priority Rating:</u> In order to account for the need for protection at any one site, a five level priority rating system was established. This allowed for consideration of public infrastructure protection, density of residential housing for development of structure overall importance for coastal protection. The ratings range from Level 1 for no infrastructure or residence protection to Level 5 for critical inshore infrastructure protection and/or high density residential. The detailed listing and definitions for the priority categories can be seen in Exhibit B.

Structure Repair / Reconstruction Cost: A preliminary estimation of construction costs to maintain or repair structures was made based on the preliminary field assessment of the structures. A Repair Cost Matrix was developed based on structure type, condition, height and material and can be seen in Exhibit C. Once each structure's type, height, and material classifications were determined, the cost per foot for the structure was determine from the Repair Cost Matrix and multiplied by the length of the structure to obtain the estimated repair/restoration cost. The cost matrix repair costs include a 20 percent construction cost contingency as well as 10 percent costs for engineering and permitting.

Structure Length: The length of each structure is provided and utilized in the development of the repair/reconstruction costs. The lengths are given to the nearest foot and taken as the linear distance along the structure, as determined by the GPS location, which takes into account structure angles and curvature.

Structure Elevation: The elevation of structures was determined in feet from existing information where available. The datum used is NAVD 88 and elevations are to the nearest foot. From a previous study much of the south shore coastal structures had elevations defined based on LIDAR mapping data. Where available structure documentation with elevations was found, in areas with no LIDAR data, the information was included within the structure information. Where there was no LIDAR information or existing documentation, the item has been left blank.

LIDAR (Light Detection and Ranging) is technology that is currently being used for high-resolution topographic mapping by mounting a LIDAR sensor, integrated with Global Positioning System (GPS) and inertial measurement unit (IMU) technology, to the bottom of aircraft and measuring the pulse return rate to determine surface elevations.

<u>FEMA Zone and Elevation:</u> For each structure the FEMA Flood Insurance Rate Maps (FIRM) were researched for their Flood Zone designation and their Base Flood Elevation from the most recent FIRM maps for the specific Town. The elevations are provided in feet on the same datum as the FIRM maps (NGVD) with no adjustments or conversions.

<u>Structure Comments:</u> The engineering team provided a brief description and comment on the structure at the time of the field assessments which is provided in support of the condition rating that was given for the structure.

<u>Pictures:</u> At the time of the field assessments, digital photographs were taken to provide a general overview of the structure. The number of pictures was limited to a maximum of six. The first photograph for each structure is shown on the Structure Assessment Form. The list of all photographs is provided on the form.

<u>Town Documents:</u> Town documents represent the structure information that could be found in the Town's DPW/Engineering Department records. Where particular records could be found, a table of document information was developed and included within the database with limited descriptions.

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<u>MA - DCR Documents:</u> MA-DCR documents represent the structure information that could be found within DCR - Waterways office in Hingham Where particular records could be found, a table of document information was developed and included within the database with limited descriptions.

MA - DEP Chp. 91 Licenses: MA-DEP Chapter 91 license documents represent the structure information that could be found within MA-DEP Chp 91 records in Boston. Where particular records could be found, they were scanned as pdf files and attached to the structure through the GIS database information. In addition, a table of license document information was developed and included within the database with limited descriptions

<u>USACE Permits:</u> USACE Permits represent the structure information that could be found within the Army Corp of Engineers regulatory office in Concord, MA. Where particular records could be found, they were scanned as pdf files and attached to the structure through the GIS database information. In addition, a table of license document information was developed and included within the database with limited descriptions.

DEVELOPMENT OF REPAIR / RECONSTRUCTION COSTS

A matrix to be used within the database has been developed to assess likely rehabilitation/repair costs to restore the coastal structures to their original design condition. No attempt was made to assess the level of exposure and associated level of protection that might be required to meet current design standards for these structures. These costs are only an estimation to bring these structures back to their original design intent based on 2006 construction costs.

The development of the cost matrix is based on the following:

<u>Structure Condition Ratings</u> – The condition of the coastal structures was determined in the field by the survey crew which was led by an engineer with waterfront structure assessment and design experience. The definitions of the rating criteria utilized for the assessments are presented elsewhere.

The cost implications for each rating condition are as follows:

- A Rating Structures not requiring any maintenance, repair or rehabilitation cost and would not be expected to experience damage if subject to a major coastal storm event
- B Rating Structures requiring limited or no repair and would be expected to experience only minor damage if subject to a major coastal storm event. The value of these maintenance costs is assumed to be 10 percent of the construction cost.
- C Rating Structures requiring moderate to significant level of repair or reconstruction and would be expected to experience significant damage if subject to a major coastal storm event. The structure is presumed to be effective under a major storm event. The value of the repair costs is assumed to be 50 percent of the construction cost.
- D Rating Structures requiring significant level of rehabilitation or total reconstruction and would be expected to experience significant damage or possibly fail if subject to a major coastal storm event. The value of the repair costs is assumed to be 100 percent of the construction cost.

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• F Rating Structures requiring complete reconstruction and would expect to provide little or no protection from a major coastal storm event. The value of the repair costs is assumed to be 100 percent of the construction cost plus a cost for removal/disposal of the original structure.

<u>Height of Structure</u> – Height of a structure is a major factor in the structure cost and therefore was identified as a significant factor is assessing rehabilitation/repair construction costs. The structures were broken down into four major categories which were:

< 5'	Structures that were less than five feet in height
5'-10'	Structures five to 10 feet in height
10'-15'	Structures over 10 feet to 15 feet in height
> 15'	Structures greater than 15 feet in height - assumed 20 feet typical

<u>Length of Structure</u> – Length is based on field GPS location with measurements rounded to the nearest foot.

<u>Bulkhead / Seawall Structures</u> – These structures are assumed to be constructed out of concrete, steel, stone or wood with each having its own criteria for establishing costs. For each structure type the following was assumed:

- Concrete Seawalls These walls were assumed to be gravity structures with the volume
 of concrete used based on the bottom width being one-half of the structure height. Costs
 of construction were based on a per cubic yard estimate that varied from \$350 to \$630
 per cubic yard depending on the structure height. Values for excavation and demolition
 of existing structure were also included.
- Stone Seawalls These walls were treated the same as concrete seawalls and assumed to be gravity structures with the volume of the structure based on the bottom width being one-half of the structure height. Costs of construction were based on a per cubic yard estimate that varied from \$350 to \$630 per cubic yard depending on the structure height. Values for excavation and demolition of existing structure were also included.
- Steel Bulkheads Steel bulkheads were presumed to be constructed with steel sheet piling. Tie back systems were presumed for structures 10 feet or greater in height. Shorter walls were assumed to have a cantilever design. The total depth of sheeting was presumed to be two times the exposed height. The cost for construction varied from \$40 per square foot to \$60 per square foot plus the cost of excavation and demolition.
- Timber Bulkheads Timber bulkheads were presumed to be constructed with timber piles at eight foot on center, horizontal wales and vertical four inch sheathing. The unit costs for installed materials used were \$1,500 per pile and \$7.50 per bfm.

Revetment Structures – Revetment structures were presumed to be constructed of dry placed (no concrete) stone with a two on one slope and a horizontal toe and crown equal to the thickness layer established for each height condition. The total thickness of the revetment layers varied from six to ten feet with the cost of armor and under-layer stone assumed to be \$50 per ton and the crushed stone base to be \$15 per ton.

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<u>Groins and Jetties</u> – Groins and jetties were assumed to be the same materials and construction as the revetment structures but would have two sides and therefore double the quantities.

<u>Coastal Beaches</u> – Costs for restoration of Coastal beaches presumed the placement of beach renourishment sands at a 1-on-20 slope over the existing beach conditions. The cost for deposition of sand assumed relatively close source of material and utilized \$20 per cubic yard for the material installed.

<u>Coastal Dunes</u> – Restoration of coastal dunes assumed a cross section of renourished sand with a one-on-four slope on one side of a 25 foot width at the defined dune height. The cost for deposition of sand assumed relatively close source of material and utilized \$20 per cubic yard for the material installed.

<u>Contingency</u> – A contingency of 20 percent was added to all costs to reflect the unknowns associated with this level of rehabilitation/repair estimating.

<u>Engineering and Regulatory Approvals</u> – A ten percent increase to the cost matrix prices was assessed to represent the engineering design and regulatory approval requirements for the restoration of these structures.



EXHIBIT A

Structure Condition Table – 5 Level Rating System

Co	liminary ndition essment	Definition Based Upon Perceived Immediacy of Action and Potential to Cause Damage if Not Corrected	Level of Action Required			
A	Excellent	Like new condition. Structure expected to withstand major coastal storm without damage. Stable landform (beach, dune or bank). Adequate system exists to provide protection from major coastal storm	None			
В	Good	Structure observed to exhibit very minor problems, superficial in nature. Minor erosion to landform is present. Structure / landform adequate to provide protection from a major coastal storm with no damage. Actions taken to prevent / limit future deterioration and extend life of structure	Minor			
c	Fair	Structure is sound but may exhibit minor deterioration, section loss, cracking, spalling, undermining, and/or scour. Structure adequate to withstand major coastal storm with little to moderate damage. Actions taken to reinforce structure to provide full				
		Moderate wind or wave damage to landform exists. Landform may not be sufficient to fully protect shoreline during a major coastal storm. Actions taken to provide additional material for full protection and extended life				
D	Poor	Structure exhibits advanced levels of deterioration, section loss, cracking, spalling, undermining, and/or scour. Structure has strong risk of significant damage and possible failure during a major coastal storm Structure should be monitored until repairs/reconstruction can be initiated. Actions taken to reconstruct structure to regain full capacity to resist a major coastal storm.	Major			
		Landform eroded, stability threatened. Landform not adequate to provide protection during major coastal storm. Actions taken to recreate landform to adequate limits for full protection from a major coastal storm.				
		Conditions of structure/landform may warrant emergency stabilization as failure may result in potential loss of property and/or life. Landform eroded, loss of integrity				
F	Critical	Structure exhibits critical levels of deterioration, section loss, cracking, spalling, undermining, and/or scour. Structure provides little or no protection from a major coastal storm. Actions taken to totally reconstruct structure to regain full capacity.	Immediate			
		Landform stability is severely compromised, rate of erosion/material loss may be increasing, and landform does not provide adequate protection from a major coastal storm. Actions taken to recreate landform to adequate limits for full protection from a major coastal storm.				

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EXHIBIT B

Priority Rating System - 5 Level Rating System

Pric	eliminary ority Level sessment	Level Based Upon Perceived Immediacy of Action and Presence of Potential Risk to Inshore Structures if Not Corrected	Level of Action Required					
I	None	None No Inshore Structures or Residential Dwelling Units Present						
П	Low Priority	The state of the s						
Ш	Moderate Priority	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)	Consider for Active Project Improvement Listing					
IV	High Priority	High Value Inshore Structures with Potential for Infrastructure Damage and/or Moderate Density Residential Dwellings (1-10 dwellings impacted / 100 feet of shoreline)	Consider for Next Project Construction Listing					
V	Immediate / Highest Priority	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Conditions of structure may warrant emergency stabilization as failure may result in potential loss of property and/or life. (>10 dwellings impacted / 100 feet of shoreline)	Consider For Immediate Action Due to Public Safety and Welfare Issues					

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CZM SOUTH SHORE COASTAL INFRASTRUCTURE INVENTORY AND ASSESMENT PROJECT

EXHIBIT C

REPAIR / REHABILITATION COSTING DATA

September 14, 2006

Cost per linear foot of structure

STRUCTURE TYPE	STRUCTURE MATERIALS	STRUCTURE HEIGHT	A	8 811		C D		
BULKHEAD/ SEAWALL	CONCRETE	Under 5 Feet	\$0	\$84	\$425	\$850	\$983	
		5 To 10 Feet	\$0	\$152	\$759	\$1,518	\$1,782	
	ll .	10 To 15 Feet	\$0	\$251	\$1,254	\$2,508	\$2,970	
		Over 15 Feet	\$0	\$396	\$1,980	\$3,960	\$4,752	
	STEEL	Under 5 Feet	\$0	\$54	\$273	\$546	\$680	
		5 To 10 Feet	\$0	\$165	\$825	\$1,650	\$1,848	
		10 To 15 Feet	\$0	\$251	\$1,254	\$2,508	\$2,772	
	BAR IS AU	Over 15 Feet	\$0	\$343	\$1,716	\$3,432	\$3,795	
	STONE	Under 5 Feet	\$0	\$84	\$425	\$850	\$983	
		5 To 10 Feet	\$0	\$152	\$759	\$1,518	\$1,792	
	H	10 To 15 Feet	\$0	\$251	\$1,254	\$2,508	\$2,970	
		Over 15 Feet	\$0	\$396	\$1,980	\$3,960	\$4,752	
	WOOD	Under 5 Feet	\$0	\$86	\$431	\$862	\$994	
		5 To 10 Feet	\$0	\$127	\$632	\$1,265	\$1,463	
		10 To 15 Feet	\$0	\$161	\$804	\$1,608	\$1,872	
ಳಿಗೆ ಗೆರವಾದ ಎಂದ ಎಂದಲ್ಲಿಗೆ ಸಂಗಿತ್ತಿತ್ತು. ಆಗ		Over 15 Feet	\$0	\$202	\$1,008	\$2,017	\$2,380	
	SAND	Under 5 Feet	\$0	\$26	\$132	\$264	\$264	
COASTAL BEACH		5 To 10 Feet	\$0	\$127	\$634	\$1,267	\$1,267	
		10 To 15 Feet	\$0	\$224	\$1,122	\$2,244	\$2,244	
		Over 15 Feet	\$0	\$396	\$1,980	\$3,960	\$3,960	
	SAND	Under 5 Feet	\$0	\$18	\$93	\$186	\$186	
COASTAL DUNE		5 To 10 Feet	\$0	\$48	\$238	\$476	\$476	
		10 To 15 Feet	\$0	\$79	\$395	\$790	\$790	
n Declarations were aloge		Over 15 Feet	\$0	\$132	\$660	\$1,320	\$1,320	
REVETMENT	STONE	Under 5 Feet	\$0	\$66	\$333	\$664	\$730	
		5 To 10 Feet	\$0	\$120	\$601	\$1,201	\$1,300	
		10 To 15 Feet	\$0	\$157	\$781	\$1,564	\$1,696	
		Over 15 Feet	\$0	\$247	\$1,234	\$2,468	\$2,666	
ROIN	STONE	Under 5 Feet	\$0	\$132	\$664	\$1,328	\$1,480	
		5 To 10 Feet	\$0	\$240	\$1,201	\$2,402	\$2,600	
		10 To 15 Feet	\$0	\$314	\$1,564	\$3,128	\$3,392	
		Over 15 Feet	\$0	\$494	\$2,468	\$4,937	\$5,333	

NOTE: Repair / Rehabilitation Costs include 10% for engineering and regulatory approvals and 20 % construction contingency.

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Section II - Falmouth

Part A

Community Findings



Section II - Community Findings - Town of Falmouth

COMMUNITY DESCRIPTION

The Town of Falmouth consists of a land area of 44.26 square miles out of a total area of 54.44 square miles and had a population of 32,660 in the 2000 census. The Town is located on Cape Cod of Massachusetts and its location can be seen on this report's cover. The estimated length of shoreline is 55 miles. Of the 55 miles, 10 miles are exposed to open ocean, while the remaining 45 are for the most part protected by the Cape Islands. The Town is protected from major coastal storms by both natural and man-made shoreline structures that require maintenance to insure the long term protection of its coastline. The man-made and publicly owned structures that protect the Town were investigated for their ability to provide adequate protection from major coastal storms. Structures have been identified as publicly owned, including coastal dunes and beaches, based on evidence of investment of public funds made to create/enhance/maintain these structures. The assessment did not include floating or pile supported structures as they are assumed not to provide any significant coastal protection from major storm events.

STRUCTURE INVENTORY

Within the Town of Falmouth, there were 89 structures which had public or unknown ownership which provide significant coastal protection. The location of the structures can be seen in Sheets 1 through Sheet 18 in Section II-B of this report. The structures were categorized by their type and by their structural condition based on a preliminary field assessment. The distribution of structures by type and condition can be seen in the following table:

STRUCTURE TYPE AND QUANTITY - Town of Falmouth

	Total		Str	ucture Conditio			
Primary Structure (1)	Structures	Α	В	С	D	F	Total Length
Bulkhead / Seawail	22	1	8	6	4	3	6480
Revetment	28		7	11	5	5	13490
Breakwater	3			2		1	1590
Groin / Jetty	36		7	21	7	1	9388
Coastal Dune							
Coastal Beach							
	89	1	22	40	16	10	30948

Within the above table, the total length of each type of structure is also provided. The structures are listed by the type which is providing the primary coastal protection. Many sites have multiple structure types at the same location (i.e. revetment in front of seawall). These secondary structures, although not identified within these tables, are included in the development of repair/rehabilitation costs.

The development of repair costs has been included by structure type and by condition. In the Town of Falmouth's case there are a total of 88 structures which would require approximately \$ 27.4 million to bring all the coastal structures to "A" Rating. Most critical will be the structures in the "D" and "F" classifications as those are assumed to undergo some level of damage or failure during the next major coastal storm event. To reconstruct these structures, identified in the preliminary survey as being in poor condition, an estimated \$ 14.6 million would be required to upgrade the Town's coastal protection.

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	Total		Str	uct	ure Conditio	n F	tating				
Primary Structure (1)	Structures	<u>A</u>	 В		С		D		F	Tot	al Cost
Bulkhead / Seawall	22		\$ 382,246	\$	1,268,263	\$	936,217	\$	607,347	\$	3,194,073
Revetment	28		\$ 504,795	\$	3,192,644	\$	6,070,614	\$	927,841	\$	10,695,894
Breakwater	3			\$	1,561,300			\$	423,377	\$	1,984,677
Groin / Jetty	36		\$ 247,680	\$	5,600,695	\$	5,457,487	\$	204,389	\$	11,510,251
Coastal Dune										\$	-
Coastal Beach										\$	-
	89	\$ -	\$ 1,134,721	\$	11,622,902	\$	12,464,318	\$	2,162,954	\$	27,384,895

Based on the limited research within the scope of this project research, the presumed ownership of the structures was established on an initial basis and would be subject to more intense review in future tasks. Structures identified as being owned privately were excluded from further consideration. Although ownership of the land on which the structure was located was a factor, the structure ownership was treated as a separate issue from land ownership. For the Town of Falmouth, the breakdown of structures by assumed ownership is as follows:

STRUCTURE OWNERSHIP / REPAIR COST - Town of Falmouth

	Total		Str	ucture Conditio	•				
Primary Structure (1)	Structures	A	В	С	D	F		Tot	al Cost
Town Owned	89		\$ 1,134,721	\$ 11,622,902	\$ 12,464,318	\$	2,162,954	\$	27,384,895
Commonwealth of Massachusetts								\$	-
Federal Government Owned								\$	-
Unknown Ownership								\$	-
	89	\$ -	\$ 1,134,721	\$ 11,622,902	\$ 12,464,318	\$	2,162,954	\$	27,384,895

The identification of presumed ownership was not based on the investigation of legal documents but relied on property ownership and from construction and regulatory documents that were found. A more detailed investigation of legal documents and agreements would be required where structure ownership is disputed. A more detailed identification of structure type, length, condition and location can be found in Section II-B which contains Structure Assessment Reports for each individual structure found.

SUMMARY

The enclosed reports and associated documents reflects the Town of Falmouth's coastal structure information that will eventually be input into a state-wide GIS database and will be accessible through MassGIS. This data, when compiled state-wide, will be critical in the development of both short term and long term planning for maintaining and improving Massachusetts coastal protection.

This database will also provide relatively quick access to identify available documentation for these structures as well as the ability to be updated as coastal structure improvements are made.

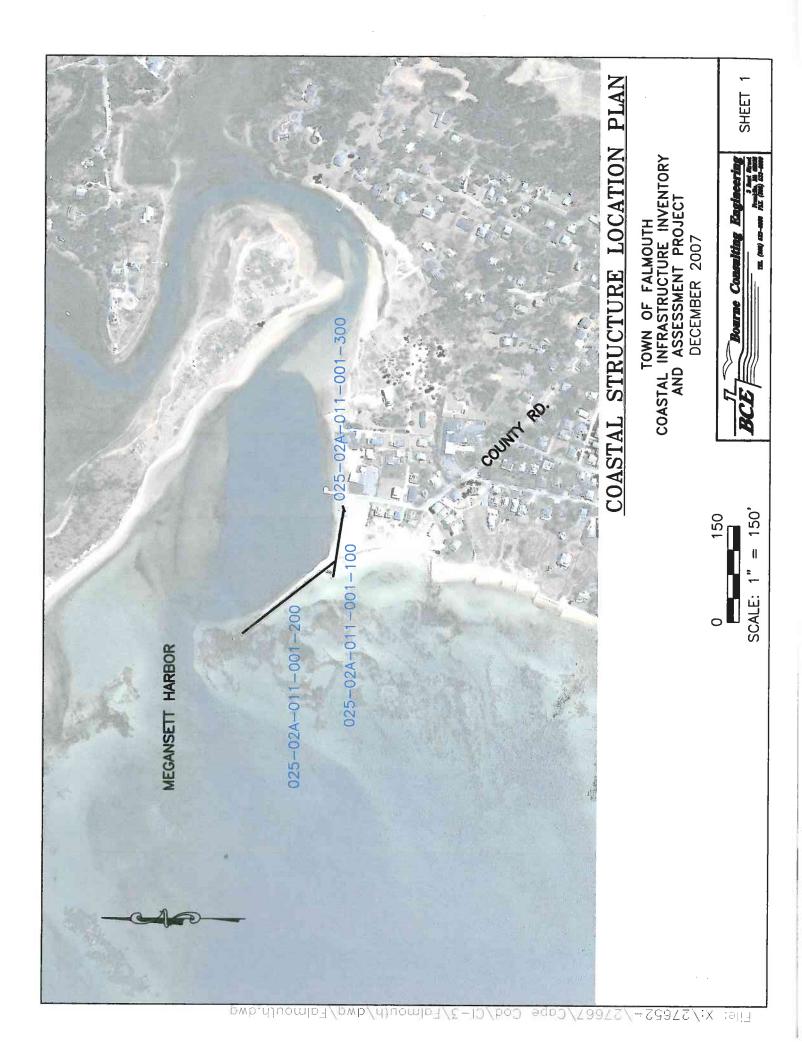


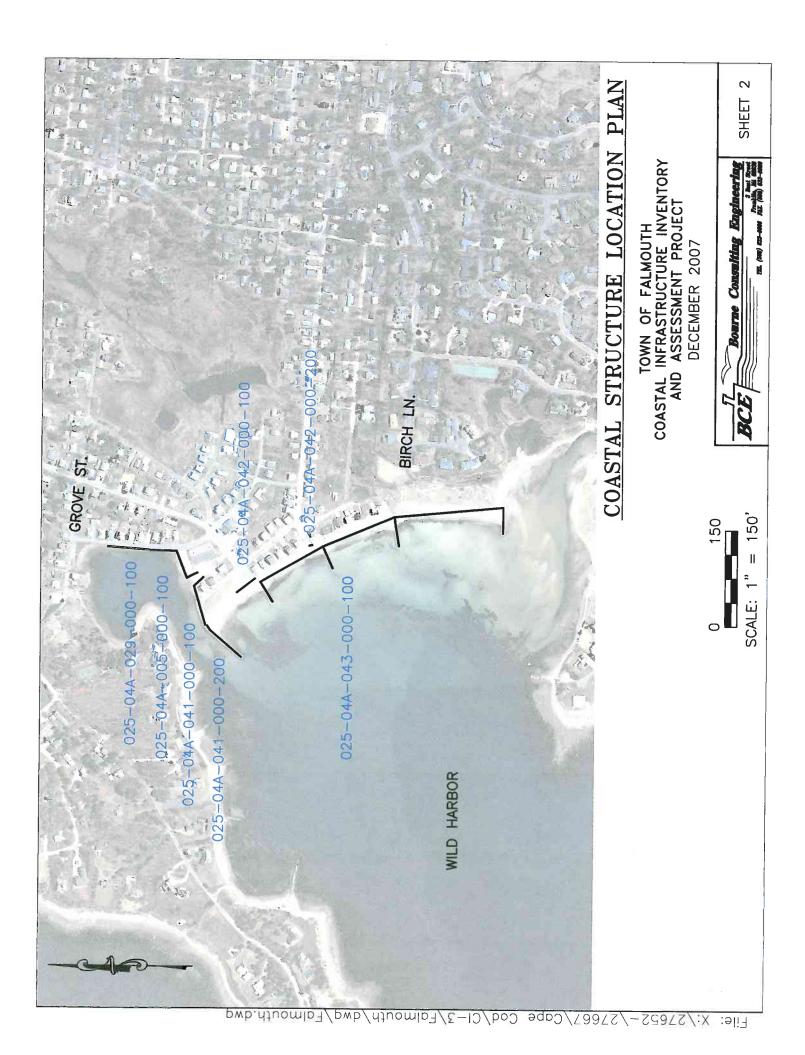
Section II - Falmouth

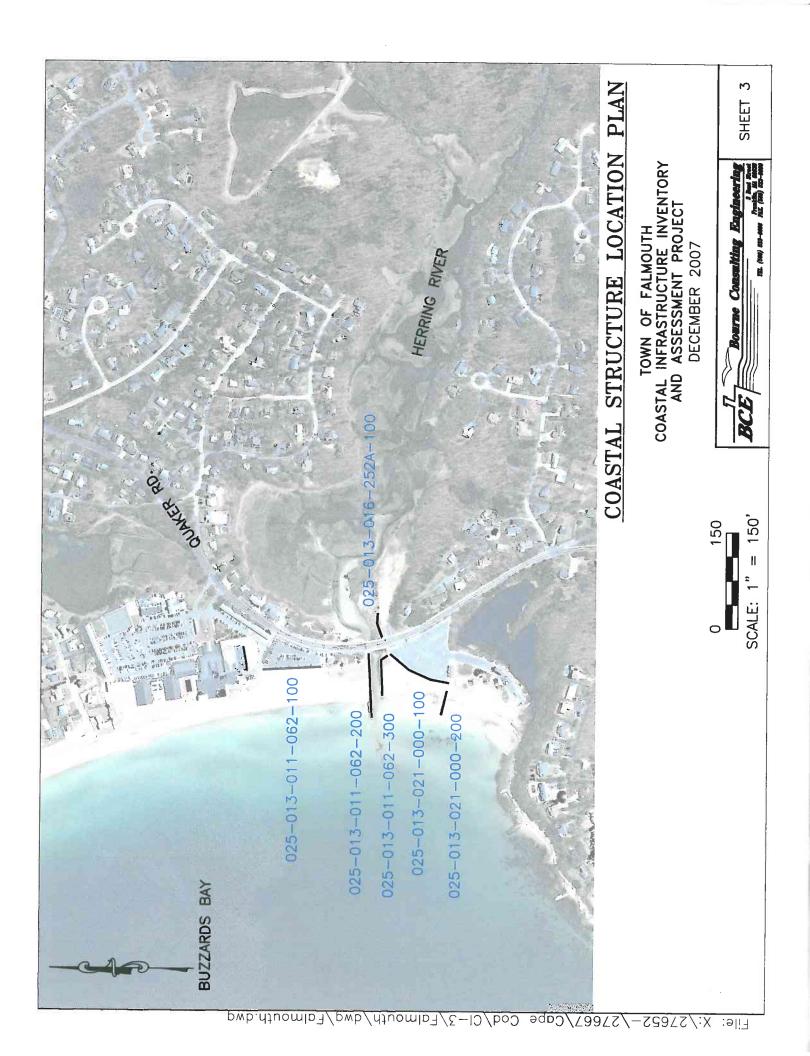
Part B

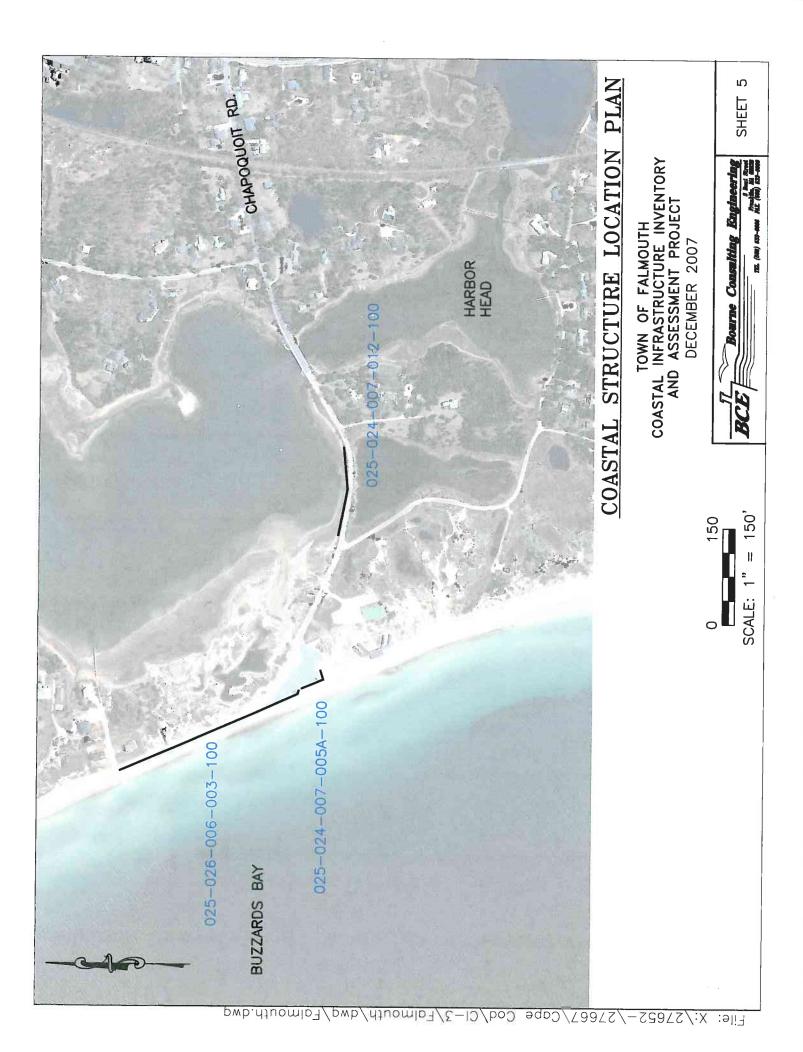
Structure Assessment Reports

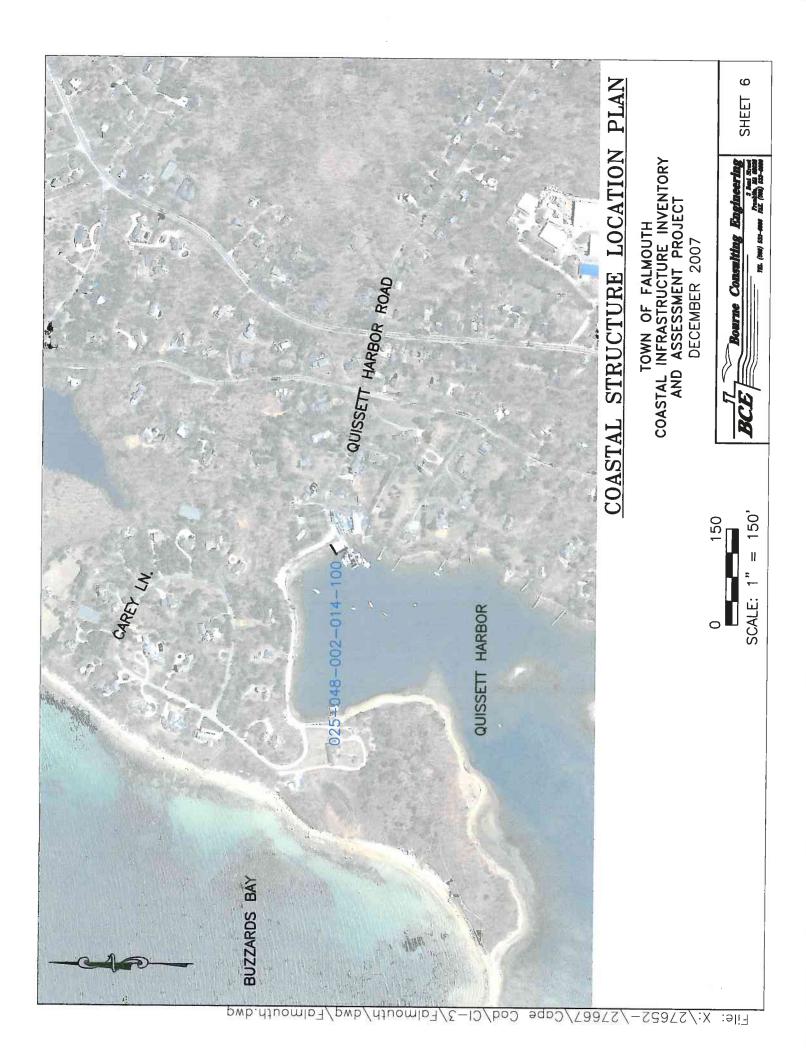


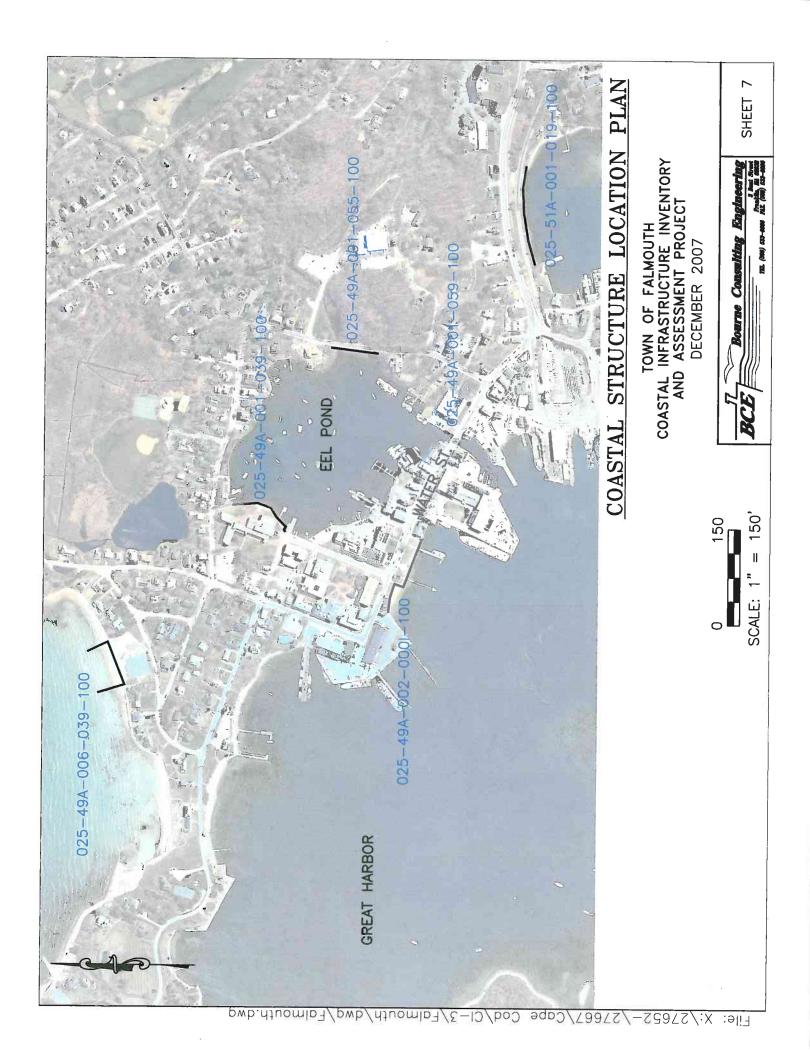


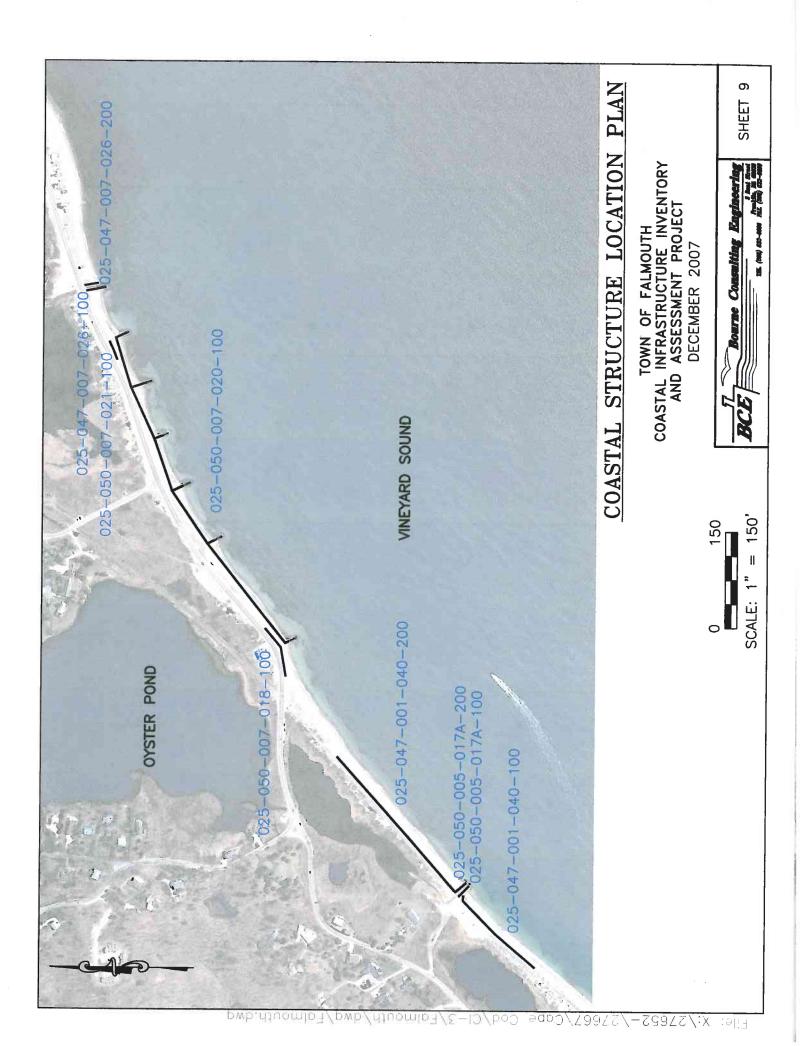


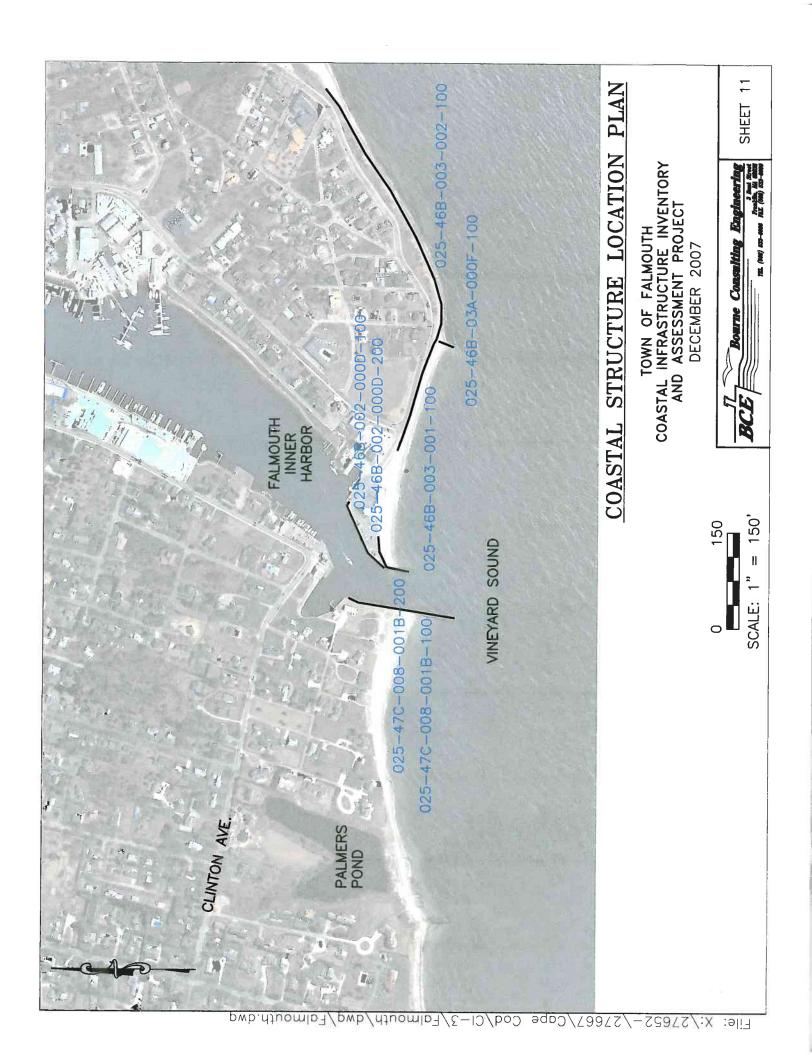






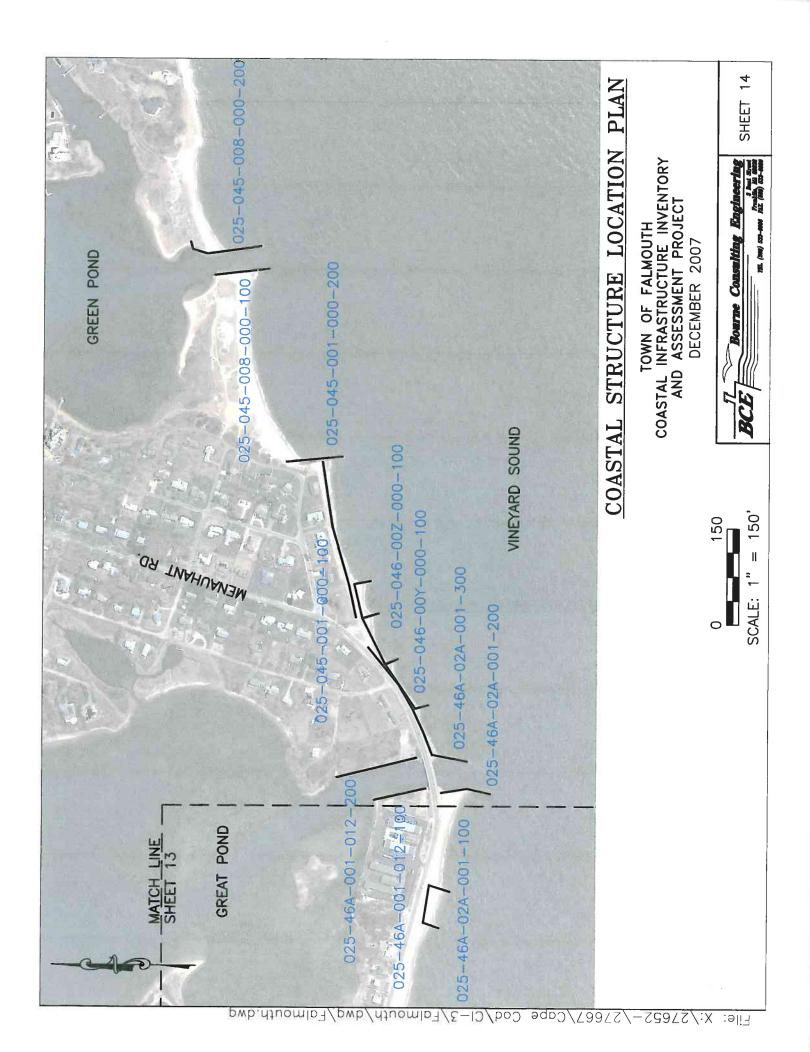


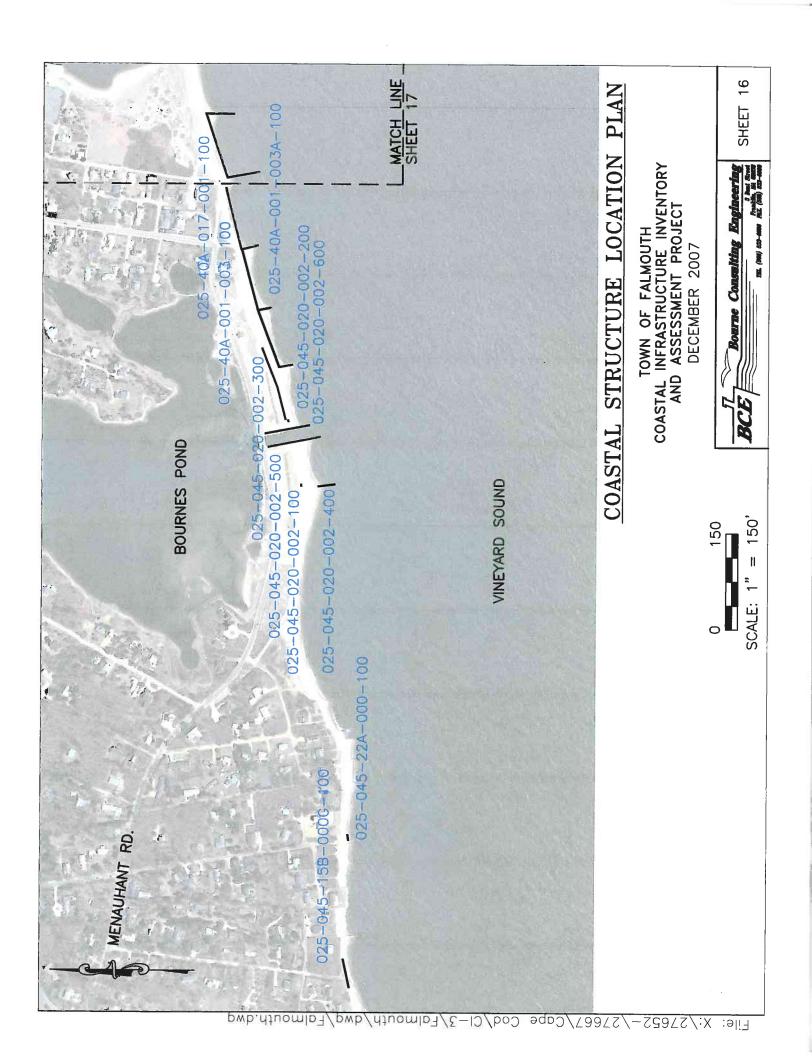


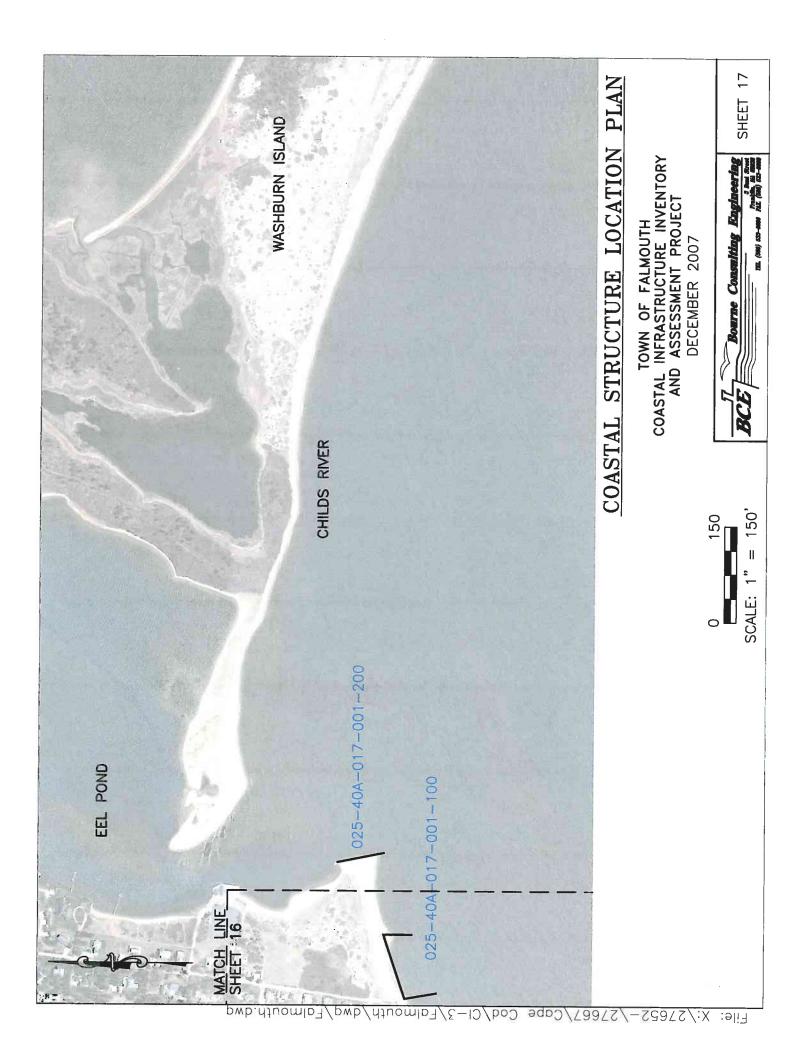












Structure Assessment Form

Town: Falmouth

Structure ID: 025-013-011-062-100

Property Owner:			Location:			Date:
Local			Old Silver Bea	ach		8/7/2007
Presumed Structure	e Owner:		Based On Cor	nment:		•
Local						
Owner Name:			Earliest Struct	ure Record:	Estimated R	econstruction/Repair Cost:
Falmouth			Unkown	× 10 10 10 10 10 10 10 10 10 10 10 10 10		\$45,540.00
	levation:	FIRM Map Zone:	FIRM Map Elevat	ion:		
300	12	VE		15	TIVE	1672
Feet Feet N	IAVD 88		Feet NG	/D		
Primary Type:		Primary Material:	Primary Height:			月
Bulkhead/ Seawall	ľ	Concrete	5 to 10 Feet			
Secondary Type:		econdary Material:	Secondary Height	t:		
					The terms of the	
Structure Summary					nere is some cracking on th	
generally in good o Condition Rating Level of Action	B Good Minor			Priority Rating Action	III Moderate Priority Consider for Active Pro	iect Improvement
Description	problems to landfo adequate coastal s	e observed to exhibit very s, superficial in nature. Mir rm is present. Structure e to provide protection fror storm with no damage. Ac nt / limit future deterioratio ucture.	nor erosion / landform n a major tions taken	Description	Listing Inshore Structures with Infrastructure Damage Residential Dwellings (100 feet of shoreline)	potential for and/or Limited
tructure Image 25-013-011-062-10			cture Documen	ts:	and the Control of Con	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-013-011-062-200

Property Owner:			L	ocation:				Date:	
Local		- · · · · · · · · · · · · · · · · · · ·		Old Silver Be	ach				8/7/2007
Presumed Structure	e Owner:		. В	ased On Co	mment:				
Local					<u> </u>				<u> </u>
Owner Name:				arliest Struc	ture Record:	<u>.</u>	F	stimated Reconstru	ction/Penair Cost
Falmouth				961	tal e i tocola	·		Sumated Neconsul	\$79,200.00
	levation:	FIRM Map Zo	one: FIRM	1 Map Eleva	tion:	Principle of the service of the serv			
330	3		VE		15		h in thin		
Feet Feet N	AVD 88			Feet NG	VD		m.m.		A
Primary Type:		imary Material:		ary Height:	481				-10
Groin/ Jetty	St	one	5 to	10 Feet			A STATE OF THE STA		
Secondary Type:	Sec	condary Material:	Seco	ndary Heigh	t:			1	
								No. of the last	
Structure Summary	:						10/4	A SUA N	
Rating Level of Action Description	problems, to landform adequate t coastal sto	observed to exhibit superficial in natur in is present. Structo provide protection with no damag / limit future deteriorure.	re. Minor ero cture / landfo on from a ma e. Actions t	orm ajor aken	Rating Action Descript	ion	Listing Inshore Struc Infrastructure	Active Project Improcures with potential Damage and/or Li	l for mited
			Approximation of the second		The second secon		Manufacture (1997)		
Structure Image				Documen					
025-013-011-062-20			USACE		ay 1961		ed Groins and		
025-013-011-062-20	10-PHO2B.J	pg	MA-DCR	[Ar	oril 1961	Propos	ed Shore	025-013-011-06	2-200-DCR2A
				,					

Structure Assessment Form

Town: Falmouth

Structure ID: 025-013-011-062-300

Property Owner:			Locatio	on:			Date	4
Local			Old Silv	er Beach				8/7/2007
Presumed Structur	e Owner:		Based O	n Comment:				
Local					•			
Owner Name:				Structure Record:		Est	imated Reconst	ruction/Repair Cost:
Falmouth			1961			Г		\$53,520.00
	levation:	FIRM Map Z	one: FIRM Map I	Elevation:	1			
223	5		VE	15				
Feet Feet N	IAVD 88		Fee	et NGVD	2	Transfer to	Market Market	f.
Primary Type:		mary Material:	Primary Hei					
Groin/ Jetty	St	one	5 to 10 Fee	t	1			
Secondary Type:	Sec	condary Material:	Secondary I	Height:			1000	
			1			4 14 1		
Structure Summary			ch. There is minor					
Level of Action Description	problems, to landform adequate t coastal sto		re. Minor erosion cture / landform on from a major	Action Descript	ion 	Listing Inshore Structo Infrastructure I	ctive Project Im ures with potent Damage and/or vellings (<1 dwe oreline)	ial for
tructure Image 25-013-011-062-30			Structure Docu		Despession	10	1005 040 044 6	
	JO-FITOSM.J		MA-DCR	May 1961		Groins and		62-300-COE3A
			אטי-טטרר	April 1961	Proposed	onore .	₄ ∪25-U13-U11-0	62-300-DCR3A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-013-016-252A-100

Property Owner:		Location:		Date:
Local		Old Silver Be	ach	8/7/2007
Presumed Structur	e Owner:	Based On Co	mment:	2
Local				
Owner Name:		, Earliest Struc	ture Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown		\$15,616.00
	levation: FIRM Ma			The state of the s
130		VE	15	
Feet Feet N	IAVD 88	Feet NG	VD	
Primary Type: Revetment	Primary Material: Stone	Primary Height: 5 to 10 Feet	<u></u>	100
		Į.		
Secondary Type:	Secondary Materia	al: Secondary Heigh	nt:	
Structure Summary		1		
This structure is a and crest are in go	stone revetment fronting a od condition.	dirt parking lot, east of Qu	aker Road. There	is minor weathering of armor stone. The side slopes
Condition	В		Priority	II
Rating	Good		Rating	Low Priority
Level of Action Description	Minor Structure observed to ex	1. 26. 24	Action Description	Future Project Consideration Inshore Structures Present with Limited
	problems, superficial in r to landform is present. S adequate to provide proticoastal storm with no dai to prevent / limit future de life of structure.	Structure / landform ection from a major mage. Actions taken		potential for Significant Infrastructure Damage
Structure Image 025-013-016-252A-		Structure Docume	nts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-013-021-000-100

Property Owner:		Location:		Date:	
Local		Old Silver Bea	ich		8/7/2007
Presumed Structur	re Owner:	Based On Con	nment:		
Local				<u> </u>	
Owner Name:		" Earliest Struct	ure Record:	Estimated Reconstruction/R	epair Cost:
Falmouth		1935			169,062.00
	Elevation: FIRM Map Zone:	FIRM Map Elevat	ion:		***
345	12 VE		14		
Feet Feet M	NAVD 88	Feet NG\	/D	A	
Primary Type:	Primary Material:	Primary Height:			
Revetment	Concrete	5 to 10 Feet	_		
Secondary Type:	Secondary Material:	Secondary Height		A STATE OF THE STA	
Bulkhead/ Seawall		5 to 10 Feet			
Structure Summan	v •				
Condition Rating Level of Action Description	Fair Moderate Structure is sound but may exhib deterioration, section loss, crack undermining, and/or scour. Structo withstand major coastal storm moderate damage. Actions taker structure to provide full protection coastal storm and for extending I structure. Moderate wind or wav landform exists. Landform may not fully protect shoreline during a storm. Actions taken to provide a material for full protection and extending a storm.	ing, spalling, ture adequate with little to n to reinforce n from major ife of e damage to ot be sufficient major coastal ddition	Priority Rating Action Description	Moderate Priority Consider for Active Project Improveme Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling imp 100 feet of shoreline)	
tructure Image 25-013-021-000-1		ucture Documen -DCR Ar		osed Stone Jetty 025-013-021-000-100-	DCR1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-013-021-000-200

Property Owner:		Locatio	on:		Date:
Local		Old Silve	er Beach		8/7/200
Presumed Structur	e Owner:	Based O	n Comment:		'
Local	<u></u>				
Owner Name:		Earliest 9	Structure Record:	Est	timated Reconstruction/Repair Cost: \$17,160.00
Feet Feet N Primary Type: Groin/ Jetty Secondary Type: Structure Summan		Fee Primary Heid Under 5 Fee Secondary H	15 et NGVD ght: et		
is in good condition	single stone groin at the southen. The groin is filled on the sou	rn portion of Old S uth side with some	ilver Beach. There offset of the beach	is some minor weather n on the north side.	ing of armor stone. The structure
Condition	В		Priority	HI	
Rating	Good		Rating	Moderate Prio	rity
Level of Action	Minor		Action	Consider for A Listing	active Project Improvement
Description	Structure observed to exhibit problems, superficial in nature to landform is present. Structure adequate to provide protectio coastal storm with no damage to prevent / limit future deterior life of structure.	e. Minor erosion sture / landform n from a major e. Actions taken	Description	Inshore Struct	ures with potential for Damage and/or Limited vellings (<1 dwelling impacted / oreline)
Structure Image	es:	Structure Docu	ıments:		
025-013-021-000-2	00-PHO2A.jpg	USACE	May 1961	Proposed Groins and	025-013-021-000-200-COE2A
		MA-DCR	April 1935	Proposed Stone Jetty	025-013-021-000-200-DCR2A
		MA-DCR	April 1961	Proposed Shore	025-013-021-000-200-DCR2B
		MA-DCR	April 1961	Proposed Shore	025-013-021-000-200-DCR2B

Structure Assessment Form

Town: Falmouth
Structure ID: 025-014-017-001-100

			·	Key: co	ommunity-map-block-parcel-structure
Property Owner:		Location:			Date:
Local		West Falmou	ith Harbor		8/7/2007
Presumed Structure	e Owner:	Based On Co	mment:		,
Local		- Fasca on co		1 20 20 20 3 20 3	
ı		j			
Owner Name: Falmouth		Earliest Struc	ture Record:	Esti	mated Reconstruction/Repair Cost: \$834,695.00
		123.5		į.	νου.υσου.υσ
The second second	levation: FIRM Map Zone:	FIRM Map Eleva	tion:		
695	1 VE		19		
Feet Feet N	AVD 88	Feet NG	IVD		
Primary Type:	Primary Material:	Primary Height:			
Breakwater	Stone	5 to 10 Feet			4 4
Secondary Type:	Secondary Material:	Secondary Heigh	nt:		
1				1000	
Structure Summary	e north jetty at the entrance to W				
forming a bar. Condition	C Fair		Priority	II Long British	
Rating Level of Action	Moderate		Rating	Low Priority Future Project	Consideration
Description Description	Structure is sound but may exhib deterioration, section loss, crack undermining, and/or scour. Struct to withstand major coastal storm moderate damage. Actions taker structure to provide full protection coastal storm and for extending listructure. Moderate wind or wav landform exists. Landform may not fully protect shoreline during a storm. Actions taken to provide a material for full protection and extending a storm.	ing, spalling, iture adequate with little to n to reinforce n from major ife of e damage to ot be sufficient major coastal	Action Descript	ion Inshore Structu	ures Present with Limited gnificant Infrastructure Damage
Structure Image		ructure Documer			
025-014-017-001-1		ACE	ugust 1949	Proposed Stone	025-014-017-001-100-COE1A
025-014-017-001-10	00-PHO1B.jpg MA	-DCR A	ugust 1949	Proposed Stone	025-014-017-001-100-DCR1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-014-017-001-200

Property Owner:		Location:		Date:	
Local		West Falmout	h Harbor		8/7/2007
Presumed Structure	e Owner:	Based On Corr	nment:		
Local			2.2.4.		
Owner Name:		Earliest Structi	ure Record:	Estimated Reconstr	uction/Renair Cost:
Falmouth		Unkown			\$324,270.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevati	on:		
270	4 VE		19	No.	
Feet Feet N	AVD 88	Feet NGV	/D		
Primary Type:	Primary Material:	Primary Height:		A PART OF THE PROPERTY OF THE	
Groin/ Jetty	Stone	5 to 10 Feet			Carrie
Secondary Type:	Secondary Material:	Secondary Height	*		
		5 to 10 Feet	_		
Structure Summary					
This structure is the	e south jetty at the entrance to We	est Falmouth Harbor.	The structure co	nsists of a wide concrete cap sitting	g atop armor
stone. There is so	me weathering of the stone and ca	p present. The ston	es at the nead are	e becoming unraveled.	
Condition	С		Priority	III	
Rating	Fair		Rating	Moderate Priority	
Level of Action	Moderate		Action	Consider for Active Project Imp	provement
Description	Structure is sound but may exhibit			Listing	
	deterioration, section loss, cracking undermining, and/or scour. Struct to withstand major coastal storm moderate damage. Actions taken structure to provide full protection coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not of ully protect shoreline during a storm. Actions taken to provide a material for full protection and extending the storm of the storm of the storm of the storm.	ture adequate with little to to reinforce from major fe of damage to ot be sufficient major coastal ddition	Description	Inshore Structures with potenti Infrastructure Damage and/or I Residential Dwellings (<1 dwe 100 feet of shoreline)	_imited
Structure Image 125-014-017-001-20		ucture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-024-007-005A-100

Property Owner:		Location:		Date:
Local		Chapoquoit	Beach	8/7/2007
Presumed Structur	re Owner:	Based On C	omment:	,
Local				
Owner Name:		Earliest Stru	ıcture Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown		\$381,843.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elev	ation:	7 1
175	10 VE		19	
Feet Feet M	NAVD 88	Feet N	GVD	
Primary Type:	Primary Material:	Primary Height	•	
Bulkhead/ Seawall	Concrete	5 to 10 Feet		
Secondary Type:	Secondary Material:	Secondary Heigh	ght:	
Revetment	Stone	Under 5 Feet		
Structure Summan				
Some cracks are q	uite large. The stone is weathered	and shows no inte	erlocking.	poquoit Beach. The wall is cracked and spalled.
Condition	D		Priority	III
Rating	Poor		Rating	Moderate Priority
Level of Action	Major	f	Action	Consider for Active Project Improvement Listing
Description	Structure exhibits advanced level deterioration, section loss, cracki undermining, and/or scour. Structure strong risk of significant damage failure during a major coastal store should be monitored until repairs/reconstruction can be inititaken to reconstruct structure to repacity to resist a major coastal Landform eroded, stability threate Landform not adequate to provide during major coastal storm. Actio recreate landform to adequate limprotection from a major coastal store.	ng, spalling, ture has and possible m. Structure ated. Actions regain full storm. ened. e protection ns taken to hits for full	Description	Instance Instance Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
Structure Image 025-024-007-005A- 025-024-007-005A-	100-PHO1A.jpg	ucture Docume	ents:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-024-007-012-100

Property Owner:		Location:		Date	2:
Local		Chapoquoit F	Road		8/7/2007
Presumed Structure	e Owner:	Based On Co	mment:		
Local			 	<u> </u>	***************************************
Owner Name:		Earliest Struc	ture Record:	Estimated Recons	truction/Repair Cost:
Falmouth		Unkown			\$339,431.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Eleva	tion:		
465	VE VE	The second secon	14		
Feet Feet N	IAVD 88	I Feet NG	:VD		
Primary Type:	Primary Material:	Primary Height:			tee (M)
Revetment	Stone	Under 5 Feet		and the	
Secondary Type:	Secondary Material:	Secondary Heigh	nt:		
Structure Summan	/:				
small armor stone evident behind the Condition	interspersed. There is no defined stones. F	side slope or crest.	There is little interle	ocking between stones. Erosion o	of the bank is
Rating	Critical		Rating	Moderate Priority	
Level of Action	Immediate		Action	Consider for Active Project In Listing	nprovement
Description	Conditions of structure/landform emergency stabilization as failure potential loss of property and/or eroded, loss of integrity. Structure critical levels of deterioration, secracking, spalling, undermining, Structure provides little or no promajor coastal storm. Actions take reconstruct structure to regain full Landform stability is severely corrate of erosion/material loss may and landform does not provide as protection from a major coastal staken to recreate landform to add for full protection from a major coastal staken to recreate landform	e may result in life. Landform e exhibits ction loss, and/or scour. tection from a en to totally ll capacity. mpromised, be increasing, dequate torm. Actions equate limits	Description	Inshore Structures with potent infrastructure Damage and/or Residential Dwellings (<1 dw 100 feet of shoreline)	Limited
Structure Image 025-024-007-012-1		ructure Documer	nts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-026-006-003-100

	Location:		Date:
	Chapoquoit B	each	8/7/20
re Owner:	Based On Con	nment:	
	Farliest Struct	ura Pacord	Estimated Reconstruction/Repair Cos
	Unkown	die Record.	\$121,922.0
The state of the s			
u u			a bollon
	Secondary neight	<u>:</u>	
v :			
ne long revetment fronting Chapoqu	Joit Road at Chapoqu	uoit Beach. The sid	le slopes and crest are in good condition throughout
are also in fine condition.			
В		Priority	III
Good		Rating	Moderate Priority
Minor		Action	Consider for Active Project Improvement
problems, superficial in nature. M to landform is present. Structure adequate to provide protection fro coastal storm with no damage. A	linor erosion e / landform om a major Actions taken	Description	Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
es: Stro	ucture Documen	ts:	
	Primary Material: Stone Secondary Material: Stone Secondary Material: y: ne long revetment fronting Chapoquare also in fine condition. B Good Minor Structure observed to exhibit very problems, superficial in nature. Noto landform is present. Structure adequate to provide protection frocoastal storm with no damage. A to prevent / limit future deterioratilife of structure.	Elevation: FIRM Map Zone: FIRM Map Elevat 10 VE NAVD 88 Feet NG Primary Material: Primary Height: Stone Secondary Material: Secondary Height y: le long revetment fronting Chapoquoit Road at Chapoquare also in fine condition. B Good Minor Structure observed to exhibit very minor problems, superficial in nature. Minor erosion to landform is present. Structure / landform adequate to provide protection from a major coastal storm with no damage. Actions taken to prevent / limit future deterioration and extend life of structure.	Elevation: FIRM Map Zone: FIRM Map Elevation: 10 VE 22 NAVD 88 Feet NGVD Primary Material: Primary Height: Stone Secondary Height: Sto 10 Feet Secondary Material: Secondary Height: It long revetment fronting Chapoquoit Road at Chapoquoit Beach. The sic are also in fine condition. B Priority Good Rating Minor Action Structure observed to exhibit very minor problems, superficial in nature. Minor erosion to landform is present. Structure / landform adequate to provide protection from a major coastal storm with no damage. Actions taken to prevent / limit future deterioration and extend life of structure. Structure Documents:

Structure Assessment Form

Town: Falmouth

Structure ID: 025-02A-011-001-100

		Location:			Date:
Local		Megansett	Harbor		8/7/2007
Presumed Structu	ire Owner:	Based On C	omment:		··
Local					
Owner Name:		; Farliest Stn	ıcture Record:	Fe	timated Reconstruction/Repair Cost:
Falmouth	<u> </u>	1936	icture record.	Ē	\$228,228.00
				9	
ength: Top	Elevation: FIRM Ma	p Zone: FIRM Map Elev	ation:		
į.	NAVD 88	Feet N		Taxas	
Primary Type:					
Revetment	Primary Material: Stone	Primary Height 5 to 10 Feet	:		1111/11/11/11/11/11/11/11/11/11/11/11/1
econdary Type:	Secondary Materia	•	aht:		
ocorradity type:	Scondary Materia	al: Secondary Heig	JIR.		
tructure Summai	rv:	*			SALARY STATES
		inside of Megansett Harb	or. The toe area sh	nows some slumpin	g, and the grout has fractured and
ome toe stones a	are loose. The side slopes r	remain relatively intact.			-
Condition	С		D 1 1/2		
conduction Cating	Fair		Priority Rating	III Moderate Prid	ority
			Running		2.11.)
* * *	Moderate		Action	Consider for A	Active Project Improvement
Level of Action Description	Structure is sound but ma			Listing	
Level of Action		s, cracking, spalling, ur. Structure adequate al storm with little to ns taken to reinforce rotection from major rending life of d or wave damage to m may not be sufficient during a major coastal provide addition	Action Description	Listing Inshore Struc Infrastructure	tures with potential for Damage and/or Limited wellings (<1 dwelling impacted /
Level of Action	Structure is sound but me deterioration, section loss undermining, and/or scot to withstand major coasts moderate damage. Actio structure to provide full pecoastal storm and for ext structure. Moderate wind landform exists. Landform to fully protect shoreline estorm. Actions taken to pematerial for full protection.	s, cracking, spalling, ur. Structure adequate al storm with little to ns taken to reinforce rotection from major rending life of d or wave damage to m may not be sufficient during a major coastal provide addition n and extended life. Structure Docume USACE MA-DCR	Description ents: May 1958 Production P	Listing Inshore Struc Infrastructure Residential D	tures with potential for Damage and/or Limited wellings (<1 dwelling impacted /

Structure Assessment Form

Town: Falmouth

Structure ID: 025-02A-011-001-200

Property Owner:		Location	1:		Date:
Local		Megansel	tt Harbor		8/7/2007
Presumed Structur	re Owner:	Based On	Comment:		,
Local					390,0000
Owner Name:		j Farlinsk Ci	brook we Descord	_	
Falmouth		1952	tructure Record:	Es	stimated Reconstruction/Repair Cost: \$726,605.00
		1775			\$7.20,003.00
	Elevation: FIRM	Map Zone: FIRM Map El	evation:		
605		VE	19		
Feet Feet I	NAVD 88	Feet	NGVD		
Primary Type:	Primary Mater	NAME OF TAXABLE PARTY.	ht:		
Breakwater	Stone	5 to 10 Feet			
Secondary Type:	Secondary Mat	terial: Secondary He	eight:		-
					100
Structure Summar		<u> </u>			The same of the sa
weathered. There	are multiple areas of slu	vater at the entrance to Me umping and armor stones b	gansett Harbor. The ecoming unraveled.	ere is no core stone	visible. The armor is cracked and
Condition	С		D : 4	111	
Rating	Fair		Priority Rating	Moderate Pri	ority
Level of Action	Moderate		Action		Active Project Improvement
Level of Action					
Description	Structure is sound but	t may exhibit minor		Listing	
	Structure is sound but deterioration, section undermining, and/or sto withstand major comoderate damage. As structure to provide fu coastal storm and for structure. Moderate v landform exists. Landt to fully protect shoreling storm. Actions taken to	loss, cracking, spalling, scour. Structure adequate astal storm with little to ctions taken to reinforce all protection from major extending life of wind or wave damage to form may not be sufficient ne during a major coastal	Description	Listing Inshore Struc Infrastructure	ctures with potential for Damage and/or Limited wellings (<1 dwelling impacted /
	Structure is sound but deterioration, section undermining, and/or sto withstand major comoderate damage. As structure to provide fu coastal storm and for structure. Moderate v landform exists. Landt to fully protect shoreling storm. Actions taken to	loss, cracking, spalling, scour. Structure adequate astal storm with little to ctions taken to reinforce all protection from major extending life of wind or wave damage to form may not be sufficient ne during a major coastal to provide addition		Listing Inshore Struc Infrastructure Residential D	ctures with potential for Damage and/or Limited wellings (<1 dwelling impacted /
Description Structure Image	Structure is sound but deterioration, section undermining, and/or s to withstand major commoderate damage. As structure to provide full coastal storm and for structure. Moderate will landform exists. Landf to fully protect shoreling storm. Actions taken to material for full protections.	loss, cracking, spalling, scour. Structure adequate astal storm with little to ctions taken to reinforce all protection from major extending life of wind or wave damage to form may not be sufficient ne during a major coastal to provide addition	Description	Listing Inshore Struc Infrastructure Residential D	ctures with potential for Damage and/or Limited wellings (<1 dwelling impacted /
Description Structure Image 125-02A-011-001-2	Structure is sound but deterioration, section undermining, and/or s to withstand major comoderate damage. As structure to provide full coastal storm and for structure. Moderate will landform exists. Landform exists. Landform of the commoderate is storm. Actions taken to material for full protections.	loss, cracking, spalling, scour. Structure adequate astal storm with little to ctions taken to reinforce staken to reinforce extending life of wave damage to form may not be sufficient ne during a major coastal to provide addition stion and extended life.	Description	Listing Inshore Struc Infrastructure Residential D	ctures with potential for Damage and/or Limited wellings (<1 dwelling impacted /
Description Structure Image 125-02A-011-001-2	Structure is sound but deterioration, section undermining, and/or s to withstand major comoderate damage. As structure to provide full coastal storm and for structure. Moderate will landform exists. Landform exists. Landform of the commoderate is storm. Actions taken to material for full protections.	loss, cracking, spalling, scour. Structure adequate astal storm with little to ctions taken to reinforce struction from major extending life of wind or wave damage to form may not be sufficient ne during a major coastal to provide addition stion and extended life. Structure DocumuSACE USACE	Description nents:	Listing Inshore Struc Infrastructure Residential D 100 feet of sh	ctures with potential for Damage and/or Limited Evellings (<1 dwelling impacted / noreline)
	Structure is sound but deterioration, section undermining, and/or s to withstand major comoderate damage. As structure to provide full coastal storm and for structure. Moderate will landform exists. Landform exists. Landform of the commoderate is storm. Actions taken to material for full protections.	loss, cracking, spalling, scour. Structure adequate astal storm with little to ctions taken to reinforce struction from major extending life of wind or wave damage to form may not be sufficient ne during a major coastal to provide addition stion and extended life. Structure DocumUSACE	nents: May 1952 Pi May 1958	Listing Inshore Structure Infrastructure Residential D 100 feet of sh	ctures with potential for Damage and/or Limited Evellings (<1 dwelling impacted / noreline)

Structure Assessment Form

Town: Falmouth
Structure ID: 025-02A-011-001-300

Property Owner:		Location:		Date:	
Local		Megansett Ha	rbor	8/7/2007	
Presumed Structure	e Owner:	Based On Cor	nment:	*	
Local					
Owner Name:		Earliest Struct	ure Record:	Estimated Reconstruction/Repair Cost:	
Falmouth		Unkown		\$26,565.00	
Length: Top E	levation: FIRM Map 2	one: FIRM Map Elevat	ion:	The Control of the Co	
35		VE	14		
Feet Feet N	IAVD 88	Feet NG	/D	1 2 5 1 2 5 1	
Primary Type:	Primary Material:	Primary Height:			
Bulkhead/ Seawall	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Heigh	t:		
Structure Summary			Establish Services		
This structure is a and missing grout.	stone seawall fronting the pa	rking lot at Megansett Ha	rbor. The armor st	tones at the toe are loose. The stones are weathered	
and missing grout.					
Condition	С		Priority	Ш	
Rating	Fair		Rating	Moderate Priority	
Level of Action	Moderate		Action	Consider for Active Project Improvement	
Description	20,000		Description	Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)	
Structure Image 025-02A-011-001-3		Structure Documen		Accompanying 025-02A-011-001-300-LIC3A	

Structure Assessment Form

Town: Falmouth
Structure ID: 025-041-004-000-100

		Location):		Date:	
Local		Waquoit F	Waquoit Bay			8/8/2007
Presumed Structur	e Owner:	Based On	Comment:		,	
Local						
Owner Name:		Earliest St	ructure Record:	Esti	imated Reconstruction/Rep	air Cost:
Falmouth		1935				,622.00
Length: Top E	levation: FIRM Map Zor	ne: FIRM Map Ele	evation:			PRODUCTION OF A SECURITION OF
955	V	17	17			
Feet Feet N	IAVD 88	Feet	NGVD			
Primary Type:	Primary Material:	Primary Heigi	nt:		William St.	
Groin/ Jetty	Stone	10 to 15 Fee	1			
Secondary Type:	Secondary Material:	Secondary He	eight:			
Structure Summary	<i>'</i> :					
Condition Rating Poor Level of Action Description Structure exhibits advanced levels deterioration, section loss, crackin undermining, and/or scour. Struct strong risk of significant damage a failure during a major coastal storn should be monitored until repairs/reconstruction can be initiataken to reconstruct structure to recapacity to resist a major coastal standform eroded, stability threater Landform not adequate to provide during major coastal storm. Action recreate landform to adequate limit protection from a major coastal store.		cking, spalling, tructure has ge and possible storm. Structure initiated. Actions to regain full stal storm. eatened. vide protection ctions taken to limits for full	Priority Rating Action Descripti	Listing Inshore Structure I	ctive Project Improvement ures with potential for Damage and/or Limited vellings (<1 dwelling impac	ted /
		al storm.				
tructure Image	protection from a major coasta	al storm. Structure Docum	nents:			- TO PERSON THE STATE OF THE ST
	protection from a major coasta		nents: August 1935	Proposed Repairs to	025-041-004-000-100-DC	R1A
25-041-004-000-1	protection from a major coasta	Structure Docun		Proposed Repairs to Proposed Stone	025-041-004-000-100-DC	
Structure Image 025-041-004-000-1 025-041-004-000-1	protection from a major coasta	Structure Docum	August 1935			R1B

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-001-000-100

Property Owner:	\$5-336-P	Location:		Dat	te:
Local		Ocean Avenue	9		8/8/2007
Presumed Structure	e Owner:	Based On Con	nment:		
Local					- 12 × 1 × 1 × 1 × 1 × 1
Owner Name:		Earliest Struct	ure Record:	Estimated Recon	struction/Repair Cost:
Falmouth		Unkown			\$990,990.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevati	ion•		
825	VE		17		
Feet Feet N	IAVD 88	Feet NG\	/D		
Primary Type:	Primary Material:	Primary Height:		- 45	
Revetment	Stone	5 to 10 Feet			*
Secondary Type:	Secondary Material:	Secondary Height	:		
, ,,,,,	The state of the s	Tacting in			
Structure Summary	<i>i</i> :				
This structure is a western portion of	stone revetment fronting 6 homes a the structure. However the revetme	long Ocean Avenue	e. The side slope a	nd crest are generally in good o	condition along the
adjacent armor sto	nes.	are to rounting de die c	castern ena wiara	1035 OF CICSE CICYBROTH BIRG FIO II	teriocking of
Condition	D		Priority	V	
Rating	Poor		Rating	Immediate / Highest Priority	
Level of Action	Major		Action	Consider For Immediate Ac Safety and Welfare Issues	tion Due to Public
Description	Structure exhibits advanced levels deterioration, section loss, cracking undermining, and/or scour. Struct strong risk of significant damage a failure during a major coastal storm should be monitored until repairs/reconstruction can be initiataken to reconstruct structure to recapacity to resist a major coastal standform eroded, stability threater		Description	Critical Inshore Structures F Potential for Infrastructure D High Density Residential Dw of structure may warrant en stabilization as failure may r loss of property and/or life. (impacted / 100 feet of shore	Damage and/or vellings Condition tergency result in potential (>10 dwellings
	Landform not adequate to provide during major coastal storm. Action recreate landform to adequate limi protection from a major coastal storm.	s taken to ts for full			
Structure Image 025-045-001-000-1		cture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-001-000-200

Property Owner:		Location:		Date:
Local		Vineyard Stree	et	8/8/20
Presumed Structure	e Owner:	Based On Com	ment:	
Local				
Owner Name:		Earliest Structu	ıre Record:	Estimated Reconstruction/Repair Cost
Falmouth		Unkown		\$354,295.00
ength: Top E	evation: FIRM Map Zone:	FIRM Map Elevation	on:	
295	VE		17	
Feet Feet N	AVD 88	Feet NGV	D	
Primary Type:	Primary Material:	Primary Height:		
Groin/ Jetty	Stone	5 to 10 Feet		
Secondary Type:	Secondary Material:	Secondary Height	:	Simula
Structure Summary	:			
inis structure is a s stone is becoming	single stone groin at the terminus unraveled at the head.	of Vineyard Street. 7	The side slopes and	d crest are generally in good condition. The armor
Condition	С		Priority	II .
Rating	Fair		Rating	Low Priority
Level of Action	Moderate		Action	Future Project Consideration
Description	Structure is sound but may exhib deterioration, section loss, cracki undermining, and/or scour. Structo withstand major coastal storm moderate damage. Actions taken structure to provide full protection coastal storm and for extending its structure. Moderate wind or wave landform exists. Landform may n to fully protect shoreline during a storm. Actions taken to provide a material for full protection and extending the structure of the structure.	ing, spalling, ture adequate with little to into reinforce infrom major ife of e damage to ot be sufficient major coastal ddition	Description	Inshore Structures Present with Limited potential for Significant Infrastructure Damage
tructure Image 25-045-001-000-20		ucture Documen	ts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-008-000-100

Property Owner:		Location) .		Date:
Local		Green Por	nd		8/8/2007
Presumed Structur	e Owner:	, Based On	Comment:		
Local					
Owner Names		J		_	
Owner Name: Falmouth		1951	ructure Record:	- F	stimated Reconstruction/Repair Cost: \$342,285.00
		11331		Į.	₽ ЭТ2,263.00
Length: Top E	levation: FIRM Ma	p Zone: FIRM Map Ele	evation:		
285		VE	17		
Feet Feet M	NAVD 88	Feet	NGVD		
Primary Type:	Primary Material	Primary Heigl	nt:		多
Groin/ Jetty	Stone	5 to 10 Feet			
Secondary Type:	Secondary Materi	al: Secondary He	eight:		
				LATE TO A	1 1 4
Structure Summary					The second secon
This structure is th	ne west jetty at the entrandons towards the outer end	ce to Green Pond. The st	tructure is gener	ally in good condition.	The side slopes and head are
unraveled in sectio	ons towards the outer end	or the jetty.			
Condition	С		Priority	Ш	
Rating	Fair		Rating	Moderate Pi	riority
Level of Action	Moderate		Action		Active Project Improvement
Description	Structure is sound but m		_	Listing	
	deterioration, section los undermining, and/or sco to withstand major coast moderate damage. Actio structure to provide full p coastal storm and for exi structure. Moderate wind landform exists. Landforn to fully protect shoreline storm. Actions taken to p material for full protection	ur. Structure adequate al storm with little to ons taken to reinforce protection from major tending life of d or wave damage to m may not be sufficient during a major coastal provide addition	Descripti	Infrastructur	ictures with potential for e Damage and/or Limited Dwellings (<1 dwelling impacted / shoreline)
Structure Image 025-045-008-000-1		Structure Docum	November 1 October 195	Proposed Stone Proposed Jetty	025-045-008-000-100-COE1A 025-045-008-000-100-COE1B
		MA-DCR MA-DCR	October 195 December 1	Proposed Stone Proposed Shore	025-045-008-000-100-DCR1A 025-045-008-000-100-DCR1B

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-008-000-200

Property Owner:			Location):			Date:	
Local			Green Por	nd				8/8/2007
Presumed Structur	e Owner:		Based On	Comment:			,	
Local				<u>:</u>			<u> </u>	
" Owner Name:			Farliest St	ructure Record:		F	stimated Reconstruction	n/Renair Cost
Falmouth			1951	detaile Record.			Samaca Reconstruction	\$486,405.00
Landh. Tag	1 L'		PTRAIN =			Į.		
Length: Top E	levation:	FIRM Map Zone:	FIRM Map Ele	17				3
Feet Feet N	NAVD 88		l Feet	NGVD				
Primary Type:	Prim	ary Material:	Primary Heigh	nt:				
Groin/ Jetty	Ston		5 to 10 Feet				175	
Secondary Type:	Secor	dary Material:	Secondary He	eight:				
Structure Summary	<i>i</i> :					-	- CONTRACTOR OF THE PARTY OF TH	
the midsection of t	the trunk.			Priority		III		
Rating	Fair			Rating		Moderate Pr	riority	
Level of Action	Moderate			Action		Consider for	Active Project Improve	ement
Description			ng, spalling, ture adequate with little to to reinforce from major fe of e damage to ot be sufficient major coastal ddition	Descript	ion	Infrastructure	ctures with potential for e Damage and/or Limite Dwellings (<1 dwelling shoreline)	ed
Structure Image			ucture Docun	nents:				
025-045-008-000-2	00-PHO2A.jpg	<u> </u>		November 1	,	d Stone	025-045-008-000-2	
		USA		October 195	Propose		025-045-008-000-2	
		JMA-	DCR	October 195	Propose	d Stone	025-045-008-000-2	00-DCR2A
			,				*	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-009-000-100

Property Owner:	77-77-77	Location:		Date:
Local		Menauhant Ro	oad at Green Pond	8/8/2007
Presumed Structur	re Owner:	Based On Com	ment:	•
Local				
Owner Name:		Earliest Structu	ire Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown	are record.	\$177,962.00
Length: Top E	ilevation: FIRM Map Zone:	ETDM Man Flauri		
535	AE	FIRM Map Elevation	12	The state of the s
Feet Feet N	NAVD 88	Feet NGV		A DEC
Primary Type:	Primary Material:	Primary Height:		
Revetment	Stone	Under 5 Feet		
Secondary Type:	" Secondary Material:	Secondary Height	:	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	The state of the s	Decoration y ricigite	<u>. </u>	
Structure Summary	v:			
The armor stones	ne riprap bank protection along the variet loosely piled along the side of the	ne bridge abutments	is. They are becomi	ing unraveled.
Condition	<u>C</u>		Priority	IV
Rating	Fair		Rating	High Priority
Level of Action Description	Moderate Structure is sound but may exhibit	minor	Action	Consider for Next Project Construction Listing High Value Inshore Structures with Potential
	deterioration, section loss, crackin undermining, and/or scour. Structuto withstand major coastal storm with moderate damage. Actions taken structure to provide full protection coastal storm and for extending lift structure. Moderate wind or wave landform exists. Landform may not of fully protect shoreline during a ristorm. Actions taken to provide admaterial for full protection and extended.	g, spalling, ure adequate vith little to to reinforce from major e of damage to t be sufficient najor coastal ldition	Description	for Infrastructure Damage and/or Moderate Density Residential Dwellings (1-10 dwellings impacted / 100 feet of shoreline)
Structure Image 025-045-009-000-1 025-045-009-000-1	00-PHO1A.jpg	octure Document	ts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-009-000-200

Property Owner:		Location:		Date:
Local		Menauhant Ro	ad at Green Pond	8/8/2007
Presumed Structure	e Owner:	Based On Com	ment:	,
Local				
Owner Name:		Earliest Structu	ire Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown		\$227,858.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevati	on.	
685	AE	and the same of th	12	
Feet Feet N	AVD 88	Feet NGV	'D	
Primary Type:	Primary Material:	Primary Height:		
Revetment	Stone	Under 5 Feet		
Secondary Type:	Secondary Material:	Secondary Height	<u>:_</u>	The state of the s
Structure Summary	:			
Condition	are loosely piled along the side of th	ie bridge abutrierie	Priority	III
Rating	Fair		Rating	Moderate Priority
Level of Action	Moderate		Action	Consider for Active Project Improvement
Description	Structure is sound but may exhibit deterioration, section loss, crackin undermining, and/or scour. Struct to withstand major coastal storm v moderate damage. Actions taken structure to provide full protection coastal storm and for extending lif structure. Moderate wind or wave landform exists. Landform may not of fully protect shoreline during a r storm. Actions taken to provide admaterial for full protection and extending the structure.	ng, spalling, ure adequate with little to to reinforce from major fe of damage to to be sufficient major coastal ddition		Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
Structure Image 025-045-009-000-2 025-045-009-000-2	00-PHO2A.jpg	icture Documen	ts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-020-002-100

Property Owner:		Location:			Date:	
Local		Menauhant Road at Bournes Pond		nd	8/8/2007	
Presumed Structure Owner:		Based On Con	nment:			
				* · · · · · · · · · · · · · · · · · · ·		
Owner Name:		Earliest Struct	ure Record:	Estimated I	Reconstruction/Repair Cost:	
Falmouth		Unkown			\$14,910.00	
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevati	ion:			
15	VE		14	Mary Mary St.	3.	
Feet Feet N	AVD 88	Feet NG\	/D		N	
Primary Type:	Primary Material:	Primary Height:				
Bulkhead/ Seawall	Wood	Under 5 Feet			1-2-2	
Secondary Type:	Secondary Material:	Secondary Height	<u>: </u>			
				1	E. No.	
Structure Summary						
flat. Structure leng	ported as a wooden bulkhead. One oth reported is only the visible section	on. Further inspecti	ion wasn't possible			
Condition	F Critical		Priority	Alexa e		
Rating Level of Action	Immediate		Rating	None	`onsiderations	
		nav warrant	Action			
	Level of Action Description Conditions of structure/landform may warrant emergency stabilization as failure may result in potential loss of property and/or life. Landform eroded, loss of integrity. Structure exhibits critical levels of deterioration, section loss, cracking, spalling, undermining, and/or scour. Structure provides little or no protection from a major coastal storm. Actions taken to totally reconstruct structure to regain full capacity. Landform stability is severely compromised, rate of erosion/material loss may be increasing, and landform does not provide adequate protection from a major coastal storm. Actions taken to recreate landform to adequate limits for full protection from a major coastal storm.					
Structure Image 025-045-020-002-10		octure Documen	its:			

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-020-002-200

Property Owner:		Location:	Date:
Local		Menauhant Road at Bournes Po	ond 8/8/2007
Presumed Structur	e Owner:	Based On Comment:	•
Local			
Owner Name: Falmouth		Earliest Structure Record: Unkown	Estimated Reconstruction/Repair Cost: \$14,910.00
Length: Top E	levation: FIRM Map Zone:		
Feet Feet N	IAVD 88	Feet NGVD	
Primary Type: Bulkhead/ Seawall Secondary Type:	Primary Material: Wood Secondary Material:	Primary Height: Under 5 Feet Secondary Height:	
Structure Summary This structure is a exposed is severely	wooden bulkhead which lies mostl	y buried in the beach east of the entra ported length is for the visible section of	ance to Bournes Pond. The small portion which is only. No further inspection was possible.
Condition	F	Priority	1
Rating	Critical	Rating	None
Level of Action	Immediate	Action	Long Term Planning Considerations
Level of Action Description Conditions of structure/landform memergency stabilization as failure potential loss of property and/or life eroded, loss of integrity. Structure critical levels of deterioration, sectic cracking, spalling, undermining, and Structure provides little or no prote major coastal storm. Actions taken reconstruct structure to regain full Landform stability is severely compare of erosion/material loss may be and landform does not provide ade protection from a major coastal stot taken to recreate landform to adeq for full protection from a major coastal.		e may result in ife. Landform e exhibits ction loss, and/or scour. tection from a en to totally ll capacity. npromised, be increasing, dequate torm. Actions equate limits	No Inshore Structures or Residential Dwelling Units Present
Structure Image 025-045-020-002-2		ucture Documents:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-020-002-300

Property Owner:		Location:			Date:
Local		Menauhant Ro	oad at Bournes Pon	d	8/8/2007
Presumed Structum	e Owner:	Based On Com	ment:		
Local					
Owner Name:		Earliest Structi	ire Pecord:	Ectimated De	construction/Bonnie Costs
Falmouth		Unkown	are Record.	Estillated Re	econstruction/Repair Cost: \$284,684.00
				J.	
Length: Top E	levation: FIRM Map Zone: AE	FIRM Map Elevati	Mary was		
3 3	IAVD 88	Feet NGV	14 'D	The state of the s	L
			D		
Primary Type: Revetment	Primary Material: Stone	Primary Height: Under 5 Feet		706 17	- 480
•	•			MA KA	3
Secondary Type:	Secondary Material:	Secondary Height			
Structura Common		il .			
Structure Summary This structure is a	stone revetment fronting a parking I	ot east of the entra	nce to Bournes Por	nd. The armor stones are s	cattered in a row with no
interlocking. There	e is no discernable crest or sideslope	e present.		a a.m., stories are s	outered in a row with ho
Condition	F		Duiouit	II	
	Critical		Priority Rating		
Level of Action	Immediate		Action		ation
Rating Critical Rating Low Priority					
Structure Image 025-045-020-002-3		cture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-020-002-400

Property Owner:		Location:	Date:
Local		Menauhant Road at Bournes Po	ond 8/8/2007
Presumed Structure	e Owner:	Based On Comment:	
Local			
Owner Name:		Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown	\$119,513.00
والمستحدون المستحدون	levation: FIRM Map Zone:	FIRM Map Elevation:	
90	VE	17	
Feet Feet N	AVD 88	Feet NGVD	
Primary Type:	Primary Material:	Primary Height:	
Groin/ Jetty	Stone	Under 5 Feet	
Secondary Type:	Secondary Material:	Secondary Height:	
1			
Condition Rating Level of Action Description	Poor Major Structure exhibits advanced levels deterioration, section loss, crackin undermining, and/or scour. Structure strong risk of significant damage a failure during a major coastal stor should be monitored until repairs/reconstruction can be initiataken to reconstruct structure to recapacity to resist a major coastal Landform eroded, stability threate Landform not adequate to provide during major coastal storm. Action recreate landform to adequate lim protection from a major coastal structure of the stability threate coastal storm.	ng, spalling, ture has and possible m. Structure ated. Actions egain full storm. ned. e protection ns taken to its for full	None Long Term Planning Considerations No Inshore Structures or Residential Dwelling Units Present
Structure Image 025-045-020-002-4		ucture Documents:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-020-002-500

Local		Location	า:		Date:	
		Bournes	Pond		the state of the s	8/8/2007
Presumed Structure	Owner:	Based On	Comment:			
Local						<u> </u>
Owner Name:		Farliest S	tructure Record:		Estimated Reconstruction/Repa	ir Coct
Falmouth		1980				,660.00
Length: Top Ele	vation: FIRM Map Zor	ne: FIRM Map El	evation:			
275		VE VE	17			
Feet Feet NA	VD 88	1 Feet	NGVD	estanti -	Se ve	
Primary Type:	Primary Material:	Primary Heig	ht·			
Groin/ Jetty	Stone	5 to 10 Feet	·			
Secondary Type:	Secondary Material:	Secondary H				
7.7,55.	The state of the s	Cocondary (1	orgine.			
Structure Summary :	-	a		Marie To		
This structure is the	west jetty at the entrance to	Bournes Pond. A s	ection of armor s	stone along the trunk	has come unraveled and slump	ed
down. There is eros	ion is evident behind the dam	aged area.				
Condition	D		Priority	III		
Rating	Poor		Rating	Moderate	Priority	
Level of Action	Major		Action		or Active Project Improvement	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Structure exhibits advanced led tetrioration, section loss, craundermining, and/or scour. Since the second results of significant dama failure during a major coastal should be monitored until repairs/reconstruction can be taken to reconstruct structure capacity to resist a major coastant and form eroded, stability threading major coastal storm. Accepted and form to adequate to producing major coastal storm. Accepted and form a major coastal storm and form a major coastal storm and form a major coastal storm.	cking, spalling, tructure has ge and possible storm. Structure initiated. Actions to regain full stal storm. eatened. vide protection ctions taken to limits for full	Descript	Infrastructi Residentia	ructures with potential for ure Damage and/or Limited Il Dwellings (<1 dwelling impact i shoreline)	ed /
Structure Images 025-045-020-002-500		Structure Docur JSACE	nents: July 1980	Proposed Relocation	on 025-045-020-002-500-CO	E5A
	Ī	DEP	February 5,	Plan Accompanyin	g 025-045-020-002-500-LIC	EA

Structure Assessment Form

Town: Falmouth
Structure ID: 025-045-020-002-600

Dronorty Owner						
Property Owner: Local		Location			Date:	1000
Local		Bournes	Pond		8/8	3/2007
Presumed Structure	e Owner:	Based On	Comment:			
Local						
Owner Name:		Earliest S	tructure Record:		Estimated Reconstruction/Repair (Cost
Falmouth		1980	ducture records	· (ř	\$564,56	
		Į.				
	levation: FIRM Map			1.1.		
235	141/5 00	VE	17			
	IAVD 88	Feet	: NGVD			
Primary Type:	Primary Material:	Primary Heig	The second second		L. C.	
Groin/ Jetty	Stone	5 to 10 Feet				
Secondary Type:	Secondary Material:	Secondary H	eight:	100		
Structure Summary	11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				pes slumping down and away from	
Condition	a gap between the two sect D	ions. There is erosion	Priority	ie damaged area.		
Rating	Poor		Rating	Moderate P	riority	
Level of Action	Major		Action		Active Project Improvement	
Description Structure exhibits advanced levels deterioration, section loss, crackin undermining, and/or scour. Struct strong risk of significant damage a failure during a major coastal storn should be monitored until repairs/reconstruction can be initia taken to reconstruct structure to recapacity to resist a major coastal standform eroded, stability threater Landform not adequate to provide during major coastal storm. Action recreate landform to adequate limit protection from a major coastal store.		cracking, spalling, Structure has image and possible tal storm. Structure be initiated. Actions ure to regain full coastal storm. threatened. provide protection . Actions taken to uate limits for full	Descriptio	Infrastructur	ictures with potential for e Damage and/or Limited Dwellings (<1 dwelling impacted shoreline)	
		Structure Docur				
Structure Image		USACE	July 1980	Proposed Relocation	025-045-020-002-600-COE6	Α
Structure Image 025-045-020-002-6 025-045-020-002-6		DEP	February 5,	Plan Accompanying		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-15B-000G-100

Property Owner:		Location:		D	ate:
Local		Davis Neck Ro	oad		8/8/2007
Presumed Structure	e Owner:	Based On Con	nment:		
Local					
Owner Name:	·	Earliest Struct	ure Record:	Estimated Rec	onstruction/Repair Cost:
Falmouth		Unkown			\$201,531.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevati	ion:	- Company of the Comp	
155	AE		17		11/
Feet Feet N	AVD 88	Feet NG\	/D		
Primary Type:	Primary Material:	Primary Height:		4 A	
Revetment	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Height	:		
Structure Summary	':				
Condition	nt erosion of the fill behind the stru	cture.	Priority	IV	
Rating	Critical		Priority Rating	High Priority	
Level of Action	Immediate		Action	Consider for Next Project	Construction Listing
Description	Conditions of structure/landform remergency stabilization as failure potential loss of property and/or literoded, loss of integrity. Structure critical levels of deterioration, sec cracking, spalling, undermining, a Structure provides little or no protomajor coastal storm. Actions take reconstruct structure to regain full Landform stability is severely commate of erosion/material loss may and landform does not provide ad protection from a major coastal staken to recreate landform to ade for full protection from a major coastal staken to recreate landform a major coastal staken to recreat	may result in fe. Landform exhibits tion loss, nd/or scour. ection from a n to totally capacity. ppromised, be increasing, equate orm. Actions quate limits	Description	High Value Inshore Struct for Infrastructure Damage Density Residential Dwelli impacted / 100 feet of sho	and/or Moderate ings (1-10 dwellings
Structure Image 025-045-15B-000G 025-045-15B-000G	-100-PHO1A.jpg	ucture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-045-22A-000-100

Property Owner:		Location:			Date:
Local		Davisville Roa	ıd		8/8/2007
Presumed Structure	e Owner:	Based On Con	nment:		•
Local			- 1, 1, 1, 1, 1, 1, 1		
Owner Name:		Earliest Struct	ure Record:	Estimated F	Reconstruction/Repair Cost:
Falmouth		Unkown			\$25,549.00
	levation: FIRM Map Zone:	FIRM Map Elevati	ion:		
35	AE		17		
Feet Feet N	IAVD 88	Feet NG\	/D		
Primary Type:	Primary Material:	Primary Height:	<u></u>	AM	
Revetment	Stone	Under 5 Feet		Tall!	-
Secondary Type:	Secondary Material:	Secondary Height	<u>t:</u>		
Structure Summary	Name and the second sec				
This structure is a	small stone revetment and the remross the beach and the weathered re	nants of a wooden I	bulkhead at the en	d of Davisville Road. There	are simply some stones
Situlity in a low acr	oss the beach and the weathered re	andins of some um	bers. There is no s	torm protection provided.	
Condition	F		Priority	II	
Rating	Critical		Rating	Low Priority	
Level of Action	Immediate		Action	Future Project Conside	eration
Description	Conditions of structure/landform memergency stabilization as failure potential loss of property and/or life eroded, loss of integrity. Structure critical levels of deterioration, sect cracking, spalling, undermining, an Structure provides little or no prote major coastal storm. Actions taker reconstruct structure to regain full Landform stability is severely commate of erosion/material loss may be and landform does not provide adeprotection from a major coastal stotaken to recreate landform to adeq for full protection from a major coastal stotaken to recreate landform	may result in e. Landform exhibits ion loss, nd/or scour. ection from a n to totally capacity. promised, se increasing, equate orm. Actions quate limits	Description	Inshore Structures Pre potential for Significant	sent with Limited Infrastructure Damage
Structure Image 025-045-22A-000-1		cture Documen	its:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-046-00Y-000-100

Local		Location:		Date:	
Local Presumed Structure Owner: Local Owner Name:		Great Pond			8/2007
		Based On Con	nment:		
			<u></u>	· · · · · · · · · · · · · · · · · · ·	
		Earliest Struct	ure Record:	Estimated Reconstruction/Repair	Cost:
Falmouth		Unkown		\$98,56	54.00
	evation: FIRM Map Zone:	FIRM Map Elevati			
655	VE		13	THE STATE OF THE S	
Feet Feet NA	AVD 88	Feet NG\	/D	THE	
Primary Type:	Primary Material:	Primary Height:		W	
Revetment	Stone	Under 5 Feet			
Secondary Type:	Secondary Material:	Secondary Height	:		
Bulkhead/ Seawall	Concrete	Under 5 Feet			
Structure Summary	:				
recurved concrete o	ap. The side slope of armor stone	is in good condition	. The concrete sea	d. The structure is a stone revetment with a awall shows minor weathering.	
Condition	В		Priority	IV	
Rating	Good		Rating	High Priority	
Level of Action	Minor		Action	Consider for Next Project Construction Listin	ng
	Structure observed to exhibit very problems, superficial in nature. Mi to landform is present. Structure adequate to provide protection fro coastal storm with no damage. At to prevent / limit future deterioration life of structure.	nor erosion / landform m a major ctions taken	Description	High Value Inshore Structures with Potential for Infrastructure Damage and/or Moderate Density Residential Dwellings (1-10 dwelling impacted / 100 feet of shoreline)	
tructure Images		ucture Documen	ts:		
25-046-00Y-000-10					

Structure Assessment Form

Town: Falmouth
Structure ID: 025-046-00Z-000-100

Property Owner:		Location:		Date):
Local		Great Pond			8/8/2007
Presumed Structur	e Owner:	Based On Con	nment:	,	
Local	`				
Owner Name:		Earliest Struct	ure Record:	Estimated Pecons	ruction/Repair Cost:
Falmouth		Unkown	are record.	Listinated Records	\$215,800.00
Length: Top E	levation: FIRM Map Zone: VE	FIRM Map Elevati	ion: 17		
1	NAVD 88	Feet NG\			
Primary Type:	Primary Material:	Primary Height:	-		
Groin/ Jetty	Stone	Under 5 Feet			-
Secondary Type:	Secondary Material:	Secondary Height	:		
Structure Summan	<i>/</i> :				
Condition Rating Level of Action Description	The crests are generally level and in C Fair Moderate Structure is sound but may exhibit	t minor	Priority Rating Action Description	II Low Priority Future Project Consideration Inshore Structures Present w	
	deterioration, section loss, cracking undermining, and/or scour. Struct to withstand major coastal storm of moderate damage. Actions taken structure to provide full protection coastal storm and for extending his structure. Moderate wind or wave landform exists. Landform may not of fully protect shoreline during a storm. Actions taken to provide act material for full protection and extended.	ure adequate with little to to reinforce from major fe of ot damage to to be sufficient major coastal ddition		potential for Significant Infras	tructure Damage
Structure Image 025-046-00Z-000-1		ucture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-001-040-100

		Location:		Date:	
Local		Trunk River	Beach	The state of the s	7/2007
Presumed Structu	re Owner:	Based On Co	omment:	•	
Local					<u></u>
Owner Name:		Earliest Struc	cture Record:	Estimated Respects ustice / Repair	Coot
Falmouth	<u> </u>	Unkown	cture Record.	Estimated Reconstruction/Repair \$321,3	
1					
Length: Top I	Elevation: FIRM Map Zone: VE	FIRM Map Eleva	ation:		
1	NAVD 88	Feet NG		t to	
Primary Type:	Primary Material:	Primary Height:			
Revetment	Stone	5 to 10 Feet		Add To the second	
Secondary Type:	Secondary Material:	Secondary Heigh	ht:	一个一个	
Structure Summar					
This structure is a forward and are k	stone revetment fronting a bike pa osing fill material from behind crest.	th immediately sou	thwest of Trunk River.	Some sections of the structure are slumping)
Condition	С		Priority	III	
Rating	Fair		Rating	Moderate Priority	
Level of Action			Action	Consider for Active Project Improvement	
Description	Structure is sound but may exhib deterioration, section loss, cracki undermining, and/or scour. Structo withstand major coastal storm moderate damage. Actions taker structure to provide full protection coastal storm and for extending I structure. Moderate wind or way landform exists. Landform may no fully protect shoreline during a storm. Actions taken to provide a material for full protection and extending a storm.	ing, spalling, ture adequate with little to to reinforce from major ife of e damage to ot be sufficient major coastal	Description	Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted 100 feet of shoreline)	d/
Structure Imag 025-047-001-040-		ucture Docume	nts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-001-040-200

Property Owner:		Location:			Date:
Local		Trunk River Be	each		8/7/2007
Presumed Structure	e Owner:	Based On Com	ment:		•
Local					
Owner Name:		Earliest Structu	ıre Record:	Estimated R	econstruction/Repair Cost:
Falmouth		Unkown			\$552,552.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevation	on:		
920	VE		17		and the second
Feet Feet N	AVD 88	Feet NGV	D		The same of the sa
Primary Type:	Primary Material:	Primary Height:			THE PARTY NAMED IN
Revetment	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Height			The state of the s
, , , , , ,		, , , , , , , , , , , , ,	_	The same of the sa	
Structure Summary	, .				
some fill behind the	stone revetment immediately northed crest being eroded.	east of Trunk River.	Some areas of th	e crest have slumped forw	ard. There is evidence of
Condition	C		Priority	III	
Rating	Fair		Rating	Moderate Priority	
Level of Action	Moderate		Action	Consider for Active Pro Listing	ject Improvement
Description Structure is sound but may exhibit deterioration, section loss, cracking undermining, and/or scour. Structure to withstand major coastal storm we moderate damage. Actions taken to structure to provide full protection of coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not to fully protect shoreline during a material for full protection and extending for full protection and extending the structure.		g, spalling, ure adequate vith little to to reinforce from major e of damage to t be sufficient major coastal ldition	Description	Inshore Structures with Infrastructure Damage	
Structure Image 025-047-001-040-2		icture Document	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-007-000A-100

Property Owner:		Location:		Date:
Local		Surf Drive Beach		8/8/2007
Presumed Structure	e Owner:	Based On Com	nment:	·
Local			- · · · · · · · · · · · · · · · · · · ·	
Owner Name:		Earliest Structi	ure Record:	Estimated Reconstruction/Repair Cost:
Falmouth	· · · · · · · · · · · · · · · · · · ·	1936		\$73,775.00
ength: Top E	levation: FIRM Map Zone	: FIRM Map Elevati	on:	
270	V	E	14	
Feet Feet N	AVD 88	"Feet NGV	/D	
Primary Type:	Primary Material:	Primary Height:	*	
Bulkhead/ Seawall		Under 5 Feet	-	
Secondary Type:	Secondary Material:	Secondary Height	:	
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ristorial	Table 1 Table 1		
Structure Summary	, .			
Condition Rating Fair Level of Action Description Structure is sound but may exhibit deterioration, section loss, cracking undermining, and/or scour. Structure to withstand major coastal storm we moderate damage. Actions taken to structure to provide full protection to coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not to fully protect shoreline during a mestorm. Actions taken to provide admaterial for full protection and external storms.		cing, spalling, cture adequate n with little to en to reinforce infrom major life of ve damage to not be sufficient a major coastal addition	Rating Action Description	Moderate Priority Consider for Active Project Improvement Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
tructure Image 25-047-007-000A- 25-047-007-000A-	100-PHO1A.jpg M/	ructure Documen A-DCR Se	ts: ptember 1 Propo	osed Steel and 025-047-007-000A-100-DCR1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-007-000A-200

Property Owner:		Location:		Date:	
Local		Surf Drive Bea	ch		8/8/2007
Presumed Structure	e Owner:	Based On Com	ment:		
Local					
Owner Name:		Earliest Structu	ıre Record:	Estimated Reconstruction/I	Repair Cost:
Falmouth		Unkown		\$	204,389.00
	levation: FIRM Map Zone:	FIRM Map Elevati	on:		
140	VE		17		
Feet Feet N	AVD 88	Feet NGV	D	niri -	
Primary Type:	Primary Material:	Primary Height:			
Groin/ Jetty	Stone	Under 5 Feet			
Secondary Type:	Secondary Material:	Secondary Height	:		
Structure Summary	':				
This structure is a	stone groin at the west end of the S	Surf Drive Beach par	king lot. This 'gro	oin' is actually the western portion of the O	ld Stone
Dock which used to	be present at this location. There	are no sideslopes to	o speak of, simply	two rows of stones stacked aside one and	other.
Condition	F		Duiovitu	1	
Rating	Critical		Priority Rating	None	
Level of Action	Immediate		Action	Long Term Planning Considerations	
Description	Conditions of structure/landform memergency stabilization as failure potential loss of property and/or liferoded, loss of integrity. Structure critical levels of deterioration, sect cracking, spalling, undermining, at Structure provides little or no prote major coastal storm. Actions taken reconstruct structure to regain full Landform stability is severely commate of erosion/material loss may be and landform does not provide adeprotection from a major coastal struken to recreate landform to adec for full protection from a major coastal structure.	may result in e. Landform exhibits ion loss, nd/or scour. ection from a n to totally capacity. promised, pe increasing, equate orm. Actions quate limits	Description	No Inshore Structures or Residential I Units Present	Owelling
Structure Image 025-047-007-000A-		icture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-007-000A-300

Property Owner:		Location:		Date:	
Local		Surf Drive Beach			8/8/2007
Presumed Structure	e Owner:	Based On Comme	ent:		
Local					
Owner Name:		Earliest Structure	Record:	Estimated Reconstruct	ion/Repair Cost:
Falmouth		Unkown			\$423,377.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevation:			
290	VE	17			
Feet Feet N	AVD 88	Feet NGVD			
Primary Type:	Primary Material:	Primary Height:		A DECEMBER OF THE PARTY OF	E NORTH TO SERVICE
Breakwater	Stone	Under 5 Feet			
Secondary Type:	Secondary Material:	Secondary Height:			
1					
Structure Summary				s actually the eastern portion of the C	
Condition Rating Level of Action Description	F Critical Immediate Conditions of structure/landform memergency stabilization as failure potential loss of property and/or liferoded, loss of integrity. Structure critical levels of deterioration, sect cracking, spalling, undermining, an Structure provides little or no protemajor coastal storm. Actions taker reconstruct structure to regain full Landform stability is severely comparte of erosion/material loss may be and landform does not provide adeprotection from a major coastal struken to recreate landform to adec for full protection from a major coastal structure.	may warrant may result in e. Landform exhibits ion loss, and/or scour. ection from a n to totally capacity. promised, be increasing, equate orm. Actions quate limits	Priority Rating Action Description	I None Long Term Planning Consideration No Inshore Structures or Resider Units Present	
Structure Image 025-047-007-000A-		octure Documents:			

Structure Assessment Form

Town: Falmouth
Structure ID: 025-047-007-000E-100

Property Owner:		Location:		Date	
Local		Surf Drive Be	ach		8/8/2007
Presumed Structur	e Owner:	Based On Co	mment:	,	
Local					
Owner Name				5	
Owner Name: Falmouth		Earliest Struct	ture Record:	Estimated Reconstr	ruction/Repair Cost: \$99,600.00
		1200			φ33,000.00
	levation: FIRM Map Zone:	FIRM Map Elevat	ion:		
150	VE		17		
Feet Feet	NAVD 88	Feet NG	VD		
Primary Type:	Primary Material:	Primary Height:			
Groin/ Jetty	Stone	Under 5 Feet			
Secondary Type:	Secondary Material:	Secondary Heigh	t:		
Structure Summar	y:				
This structure is the	ne west jetty at the Siders Pond out	et through Surf Dri	ve Beach. Some st	ones are slumped at the head of t	he structure. The
stones at the truni	near the outlet are also slumping.				
Condition	С		Duiouit.	III	
Rating	Fair		Priority Rating	Moderate Priority	
Level of Action	Moderate		Action	Consider for Active Project Im	provement
Description	Structure is sound but may exhibi		110000	Listing	
•	deterioration, section loss, cracking undermining, and/or scour. Struct to withstand major coastal storm of moderate damage. Actions taken structure to provide full protection coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not structure.	ure adequate with little to to reinforce from major fe of damage to	Description	Inshore Structures with potent Infrastructure Damage and/or Residential Dwellings (<1 dwe 100 feet of shoreline)	Limited
	to fully protect shoreline during a storm. Actions taken to provide acmaterial for full protection and ext	major coastal			
Structure Image 025-047-007-000E		ucture Documer		osed Drainage 025-047-007-0	000E-100-COE1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-007-000E-200

Property Owner:		Location:		Date:
Local		Surf Drive Be	ach	8/8/20
Presumed Structure	e Owner:	Based On Co	mment:	
Local				
Owner Name:		Earliest Struc	ture Record:	Estimated Reconstruction/Repair Cost
Falmouth		1965		\$106,240.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevat	ion:	
160	VE		17	
Feet Feet N	NAVD 88	Feet NG	VD	
Primary Type:	Primary Material:	Primary Height:		3 1 2 11 6 3
Groin/ Jetty	Stone	Under 5 Feet		
Secondary Type:	Secondary Material:	Secondary Heigh	t:	
Structure Summary	/:			
This structure is th	e east jetty at the Siders Pond out	et through Surf Driv	ve Beach. Some sto	ones are slumped at the head of the structure. The
stones at the trunk	r near the outlet are also slumping.			
Condition	С		Priority	III
Rating	Fair		Rating	Moderate Priority
Level of Action	Moderate		Action	Consider for Active Project Improvement
Description	Structure is sound but may exhib deterioration, section loss, cracki		Dogovistis	Listing Inshore Structures with potential for
	undermining, and/or scour. Structo withstand major coastal storm moderate damage. Actions taken structure to provide full protection coastal storm and for extending listructure. Moderate wind or wave	ture adequate with little to to reinforce from major fe of damage to	Description	Infrastructures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
	landform exists. Landform may n to fully protect shoreline during a	major coastal		
	storm. Actions taken to provide a material for full protection and ex			
-				
Structure Image		ucture Documer		
025-047-007-000E-	-200-PHO2A.jpg US	ACE Ja	anuary 196 Prop	osed Drainage 025-047-007-000E-200-COE2A
		•		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-007-026-100

Property Owner:		Location:			Date:
Local		Surf Drive I	Beach		8/7/2007
Presumed Structure	e Owner:	Based On C	omment:		//5
Local					
Owner Name:		j Farliest Str	ıcture Record:		Estimated Reconstruction/Repair Cost:
Falmouth	almouth		icture Record.	- 1	\$126,105.00
Different and a second and a se		1		Į.	
Length: Top E	levation: FIRM Map Zone		ration:		
3	V IAVD 88				
		Feet N		3	
Primary Type: Groin/ Jetty	Primary Material: Stone	Primary Height 5 to 10 Feet		13/	
•	i.	•			
Secondary Type:	Secondary Material:	Secondary Heig	int:		
Structure Summary		1			
		est still shows a co	nstant elevation.	. The armor on the	side slopes is displaced and slumped.
There is reduced in	nterlocking between stones.				
Condition	С		Priority	111	
Rating	Fair		Priority Rating	III Moderate P	riority
Level of Action	Fair Moderate			Moderate P Consider fo	riority r Active Project Improvement
Rating Level of Action	Fair	king, spalling, cture adequate n with little to en to reinforce on from major life of we damage to not be sufficient a major coastal addition	Rating	Moderate P Consider fo Listing Inshore Stri Infrastructu	r Active Project Improvement uctures with potential for re Damage and/or Limited Dwellings (<1 dwelling impacted /
Condition Rating Level of Action Description Structure Image 025-047-007-026-1	Fair Moderate Structure is sound but may exhibit deterioration, section loss, crack undermining, and/or scour. Structure to withstand major coastal storm moderate damage. Actions take structure to provide full protection coastal storm and for extending structure. Moderate wind or wall landform exists. Landform may to fully protect shoreline during storm. Actions taken to provide material for full protection and extending storm. Actions taken to provide material for full protection and extending storm.	king, spalling, cture adequate in with little to en to reinforce on from major life of ve damage to not be sufficient a major coastal addition xtended life.	Rating Action Description Description Description Action	Moderate P Consider fo Listing Inshore Stri Infrastructu Residential	r Active Project Improvement uctures with potential for re Damage and/or Limited Dwellings (<1 dwelling impacted / shoreline) 025-047-007-026-100-COE1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-047-007-026-200

		Location	1:		Date:		
Local		Surf Drive	Beach		8/7/2007		
Presumed Structure	e Owner:	Based On	Based On Comment:				
Local							
Owner Name:		Earliest SI	tructure Record:		stimated Reconstruction/Repair Cost:		
Falmouth		1948			\$90,075.00		
11.00 0/24-04-0	levation: FIRM Map	Zone: FIRM Map El	evation:				
75		VE	17	1			
Feet Feet N	AVD 88	Feet	NGVD		1		
Primary Type:	Primary Material:	Primary Heig	ht:				
Groin/ Jetty	Stone	5 to 10 Feet			70		
Secondary Type:	Secondary Material	Secondary H	eig ht:				
			· ·				
Structure Summary	':						
Condition Rating Level of Action Description	C Fair Moderate Structure is sound but may deterioration, section loss, undermining, and/or scour to withstand major coastal moderate damage. Actionstructure to provide full procoastal storm and for extestructure. Moderate wind landform exists. Landform to fully protect shoreline distorm. Actions taken to primaterial for full protection.	cracking, spalling, . Structure adequate storm with little to staken to reinforce election from major anding life of or wave damage to may not be sufficient uring a major coastal ovide addition	Priority Rating Action Descripti	Listing ion Inshore Stru Infrastructure	ctures with potential for e Damage and/or Limited Dwellings (<1 dwelling impacted /		
tructure Image	25:	Structure Docur	nents:				
a accure minage	00-PHO2A.jpg	USACE	January 194	Proposed Stone	025-047-007-026-200-COE2A		
			105	15	1005 647 007 000 000 000		
)25-047-007-026-20		MA-DCR	January 195	Proposed Hurricane	025-047-007-026-200-DCR2A		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-048-002-014-100

		Location:			Date:	
Local		Quissett Harb	Quissett Harbor			8/7/2007
Presumed Structure	e Owner:	Based On Con	Based On Comment:		1,0,	
Local					Table to the second second second	
Owner Name:		g Earliest Struct	ura Pacardi	Ect	imated Reconstruction	/Donair Costs
Falmouth		Unkown	ure Record:	ESC	imated Reconstruction	\$0.00
		1		ŀ		
	levation: FIRM Map Zor					
125	Feet Feet NAVD 88		14			
			/D			4
rimary Type:	Primary Material:	Primary Height:		4 4		in the second
Bulkhead/ Seawall	•	5 to 10 Feet			1 5 E	
Secondary Type:	Secondary Material:	Secondary Height	<u>t:</u>			
	1	1				
tructure Summary	y : filled bulkhead/dock at the east	and of Ouissett Harbor	The timbers are	plear and colid. T	he chrichire is in excel	llent
condition.	miled build leady dock at the east	end of Quissett Harbor	. The unibers are o	deal and solid. T	ne suucture is in excel	nent
Condition	Α		Priority	II		
Rating	Excellent		Rating	Low Priority		
Level of Action	None		Action	Future Project	Consideration	
	None Like new condition. Structure withstand major coastal storm Stable landform (beach, dune Adequate system exists to pro from major coastal storm.	without damage. or bank).	Action Description	Inshore Struct	Consideration ures Present with Limi ignificant Infrastructure	
evel of Action	Like new condition. Structure withstand major coastal storm Stable landform (beach, dune Adequate system exists to pro	without damage. or bank).		Inshore Struct	ures Present with Limi	
evel of Action	Like new condition. Structure withstand major coastal storm Stable landform (beach, dune Adequate system exists to pro	without damage. or bank).		Inshore Struct	ures Present with Limi	
Level of Action	Like new condition. Structure withstand major coastal storm Stable landform (beach, dune Adequate system exists to pro	without damage. or bank).		Inshore Struct	ures Present with Limi	
Level of Action	Like new condition. Structure withstand major coastal storm Stable landform (beach, dune Adequate system exists to profrom major coastal storm.	without damage. or bank).	Description	Inshore Struct	ures Present with Limi	
Level of Action Description	Like new condition. Structure withstand major coastal storm Stable landform (beach, dune Adequate system exists to profrom major coastal storm.	without damage. or bank). ovide protection Structure Documen	Description	Inshore Struct	ures Present with Limi	Damage

Structure Assessment Form

Town: Falmouth

Structure ID: 025-04A-005-000-100

Property Own	er:			Location	•		Date:
Local				Wild Harbo	Or		8/7/2
Presumed Stru	ucture Owne	r:		Based On (Comment:		
Local					<u> </u>		
Owner Name:				Farliest Str	ucture Record:		Estimated Reconstruction/Repair Cos
Faimouth				1937	ucture Record.	-	\$221,298.0
Length: T	op Elevation	· FI	RM Map Zone:	FIRM Map Ele	vation:		
350		Ė	VE	TEXT Flap Etc	16		
Feet F	eet NAVD 88			Feet I	NGVD	111	
Primary Type:		Primary M	aterial:	Primary Heigh	t:		
Bulkhead/ Sea	awall	Wood		5 to 10 Feet			
Secondary Typ	pe:	Secondary	Material:	Secondary He	ight:		
Structure Sum							3
and the vertic	al piles are t	hining at the	e base. This stru	cture was not in	nspected below	the water line.	Harbor. The timbers are weathered
Condition	C Fair				Priority	IV High Brion	4.
Rating Level of Act		ate			Rating Action	High Prior	ty or Next Project Construction Listing
Description	Structor deterior under to with moder structor coasta structor to fully storm.	pration, sect mining, and/ stand major ate damage are to provid at storm and are. Modera arm exists. La protect sho Actions tak	I but may exhibit ion loss, cracking or scour. Structur coastal storm we. Actions taken to for extending life the wind or wave andform may not oreline during a nen to provide adotection and exteriors.	g, spalling, ure adequate vith little to so reinforce from major e of damage to t be sufficient najor coastal dition	Descripti	on High Value for Infrastr Density Re	e Inshore Structures with Potential ucture Damage and/or Moderate esidential Dwellings (1-10 dwellings 100 feet of shoreline)
Structure Im 025-04A-005-0	_	01A.jpg	Stru MA-I MA-I MA-I	OCR	November 1 September 1 October 194	Proposed Timber Proposed Timber Proposed Timber	025-04A-005-000-100-DCR1A 025-04A-005-000-100-DCR1B 025-04A-005-000-100-DCR1C
			lian-der	-011	COLODEL 134	1. Johnsen Hillingt	1023-04A-003-000-100-DCRTC
			MA-E	CD	April 1969	Proposed Harbor	025-04A-005-000-100-DCR1D

Structure Assessment Form

Town: Falmouth

Structure ID: 025-04A-029-000-100

Property Owner:		Location:		Date:
Local		Wild Harbor		8/7/20
Presumed Structur	e Owner:	Based On Con	nment:	
Local				
Owner Name: Falmouth		Earliest Struct Unkown	ure Record:	Estimated Reconstruction/Repair Cos \$71,518.0
ongth. Top E	Town Many	7		1
Length: Top E	levation: FIRM Map	The state of the s	ion: 16	A STATE OF
i i	I IAVD 88	Feet NG		
Primary Type: Revetment	Primary Material:	Primary Height: Under 5 Feet		
Secondary Type:	Secondary Material:	u		
secondary Type.	Secondary Material.	Secondary Height	·	
Structure Summary	, ·			
Condition Rating Level of Action Description	Rating Fair Level of Action Moderate		Priority Rating Action Description	IV High Priority Consider for Next Project Construction Listing High Value Inshore Structures with Potential for Infrastructure Damage and/or Moderate
	undermining, and/or scounto withstand major coastal moderate damage. Actions structure to provide full procoastal storm and for extens tructure. Moderate wind clandform exists. Landform to fully protect shoreline dustorm. Actions taken to promaterial for full protection a	storm with little to staken to reinforce stection from major nding life of owave damage to may not be sufficient uring a major coastal syide addition		Density Residential Dwellings (1-10 dwellings impacted / 100 feet of shoreline)
tructure Image 25-04A-029-000-1		Structure Documen	ts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-04A-041-000-100

Local Presumed Structure Local	Owner:		Wild Harb	oor			8/7/2007
Local	Owner:						
1			Based On	Comment:			
	Local						
Owner Name:			Farliest St	tructure Record:		Estimated Reconstruc	tion/Renair Cost
Falmouth	14		1955	a detaile incoordi	- !	Estimated Records de	\$33,634.00
Carried Contract Cont	evation:	FIRM Map Zone					
280 Feet N	AV/D 00	V	1	16 NCVD			
				NGVD			
Primary Type: Revetment	Prin Sto	nary Material:	Primary Height 5 to 10 Feet			-	-
Įu	,				7		
Secondary Type:	Seco	ndary Material:	Secondary He	eight:			
Characteristic Co.			1				Sec.
Structure Summary		ent along the southe	rn entrance to W	ild Harbor leading	to the couth inth	The stone and side slo	ones are in fair
condition and the to	e is intact.	The crest and side s	lopes are level an	nd straight.	y to the south jetty.	The score and side si	ppcs are in ruii
Condition	В			Priority	III		
Rating	Good			Rating	Moderate F	Priority	
Level of Action	Minor			Action		or Active Project Impro	vement
	problems, s to landform adequate to coastal stor	oserved to exhibit ve uperficial in nature. is present. Structu provide protection f m with no damage. limit future deteriora ure.	Minor erosion re / landform rom a major Actions taken	Descripti	Infrastructu	uctures with potential re Damage and/or Lin Dwellings (<1 dwellir shoreline)	nited
Structure Image	s:	St	ructure Docur	nents:			
025-04A-041-000-10			SACE	September 1	Proposed Mound ar	nd 025-04A-041-000	0-100-COE1A
		M	A-DCR	January 195	Proposed Hurricane	025-04A-041-000	0-100-DCR1A
		'				•	

Structure Assessment Form

Town: Falmouth
Structure ID: 025-04A-041-000-200

ner:	Wild Harb Based On Earliest Str 1955			8/7/2
ner:	Earliest Str			'
		ructure Record:		
.,		ructure Record:		
		ucture Record:		February December of the Co.
	11222		1	Estimated Reconstruction/Repair Co \$294,245.
			1	4-5 1/2 IJ.
on: FIRM Map Zo	The second second			
	VE	22		
38	Feet	NGVD		
Primary Material:		nt:		and the same
Stone	5 to 10 Feet		-	
Secondary Material:	Secondary He	ight:		737-1
				THE STATE OF THE S
cture is sound but may e rioration, section loss, co ermining, and/or scour. S thistand major coastal si erate damage. Actions to ture to provide full prote tal storm and for extend ture. Moderate wind or form exists. Landform mally protect shoreline durin. Actions taken to provi	racking, spalling, structure adequate form with little to aken to reinforce action from major ing life of wave damage to ay not be sufficienting a major coastal ide addition	Priority Rating Action Description	Listing Inshore Struing Infrastructur	r Active Project Improvement uctures with potential for re Damage and/or Limited Dwellings (<1 dwelling impacted /
	MA-DCR	January 195		
IO2B.jpg	MA-DCR	October 195	Proposed Shore	025-04A-041-000-200-DCR2B
	Stone Secondary Material: The jetty at the southern state structure. This conce head is starting to unrate the structure is sound but may end it is starting to unrate the structure is sound but may end it is starting to unrate the starting and/or scour. State the starting and/or scour. State the storm and for extend the storm and for extenditure. Moderate wind or form exists. Landform milly protect shoreline durin. Actions taken to proving the starting and starting the starting and starting the starting t	Primary Material: Primary Height Stone Secondary Material: Secondary Material: Secondary He Primary Height Stone Secondary Material: Secondary He Secondary He Primary Height Stone Secondary He Secondar	Primary Material: Primary Height: Stone 5 to 10 Feet	Primary Material: Stone Secondary Material: Secondary Height: Secondary Height: Secondary Material: Secondary Height: S

Structure Assessment Form

Town: Falmouth

Structure ID: 025-04A-042-000-100

Property Owner:		Location:		Date:	
Local		Silver Beac	n	8/7/2007	
Presumed Structur	e Owner:	Based On C	Comment:	,	
Local				· · · · · · · · · · · · · · · · · · ·	
Owner Name:		, Earliest Str.	ucture Record:	Estimated Reconstruction/Repair Cost:	
Falmouth		1956		\$106,260.00	
Length: Top E	levation: FIRM Map	Zone: FIRM Map Elev	ration:		
125		VE	16		
Feet Feet N	NAVD 88	Feet N	IGVD	75 000	
Primary Type:	Primary Material:	Primary Height	:		
Bulkhead/ Seawall	Concrete	Under 5 Feet			
Secondary Type:	Secondary Materia	: Secondary Hei	ght:		
Structure Summan				e wall is badly failed and there is cracking and	
spalling evident on	the remainder.				
Condition	D		Priority	I	
Rating	Poor		Rating	None	
Level of Action Description	Major Structure exhibits advance	ad levels of	Action Description	Long Term Planning Considerations No Inshore Structures or Residential Dwelling	
	deterioration, section loss undermining, and/or scoul strong risk of significant of failure during a major coal should be monitored until repairs/reconstruction can taken to reconstruct struct capacity to resist a major Landform eroded, stability Landform not adequate to during major coastal storm recreate landform to adequate to during from a major coastal storm recreate landform recreate landform a major coastal storm recreate landform recreate l	r. Structure has amage and possible stal storm. Structure be initiated. Actions ture to regain full coastal storm. threatened. provide protection 1. Actions taken to uate limits for full		Units Present	
Structure Image 025-04A-042-000-1		Structure Docume	ents: October 195 Prop	posed Shore 025-04A-042-000-100-DCR1A	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-04A-042-000-200

Property Owner:		Location:		Dat	e:
Local		Silver Beach			8/7/2007
Presumed Structure	e Owner:	Based On Com	ment:	,	
Local				<u> </u>	
Owner Name:		Earliest Struct	ure Record:	Estimated Recons	truction/Repair Cost:
Falmouth		Unkown			\$2,112.00
	levation: FIRM Map Zone:	FIRM Map Elevati			- 18
25 Fact N	VE		16		H II
	AVD 88	Feet NGV	D		
Primary Type: Bulkhead/ Seawall	Primary Material: Concrete	Primary Height: Under 5 Feet	_		13
Secondary Type:	Secondary Material:	Secondary Height			11-12
Secondary Type.	Secondary Material.	Secondary Height	<u> </u>		
Structure Summary	· · · · · · · · · · · · · · · · · · ·				4
This structure is a :	small concrete seawall at the end o	f Silver Beach Avenu	ue. The wall show	s some weathering and surface	cracks. It is
generally in good o	ondition.				
Condition	В		Priority	Ð	
Rating	Good		Rating	Low Priority	
Level of Action	Minor		Action	Future Project Consideration	
Description	Structure observed to exhibit very problems, superficial in nature. M to landform is present. Structure adequate to provide protection fro coastal storm with no damage. A to prevent / limit future deterioration life of structure.	inor erosion / landform om a major ctions taken	Description	Inshore Structures Present v potential for Significant Infra	vith Limited structure Damage
		The state of the s	and the second s		
Structure Image		ucture Documen	ts:		
U25-U4A-U42-UUU-2	UU-PHOZA.Jpg				

Structure Assessment Form

Town: Falmouth

Structure ID: 025-04A-043-000-100

Property Owner:		Location	ո։		Date:	
Local		Silver Bea	ach		8/7/200	
Presumed Structur	e Owner:	Based On	Comment:		,	
Local						
Owner Name:		Earliest St	tructure Record:		Estimated Reconstruction/Repair Cost:	
Falmouth	4	1947	a decay of thooping i	-	\$358,560.00	
Length: Top E	levation: FIRM Map	Zono: EIDM Man El		19		
540 Top E	levation: FIRM Map	Zone: FIRM Map Ele	evation: 22			
Feet Feet N	I NAVD 88		NGVD			
Primary Type:	Primary Material:			17		
Groin/ Jetty	Stone	Primary Heig Under 5 Feet			A Share	
Secondary Type:	Secondary Material	į.				
conduty Type.	Secondary Material	Secondary He	cigili.			
Structure Summan		ı				
		h. The side clopes and	creete chow co	od lines and are in fair	condition. The armor stone is	
Rating Level of Action Description	evel of Action Moderate		Rating Action Descript	ion Inshore Stru	ect Consideration actures Present with Limited Significant Infrastructure Damage	
	undermining, and/or scourto withstand major coastal moderate damage. Actions structure to provide full procoastal storm and for extern structure. Moderate wind clandform exists. Landform to fully protect shoreline dustorm. Actions taken to promaterial for full protection a	storm with little to taken to reinforce tection from major nding life of or wave damage to may not be sufficient uring a major coastal ovide addition				
tructure Image	es:	Structure Docum	nents:			
		Structure Docum	nents: July 1947	Proposed Stone	025-04A-043-000-100-COE1A	
			V	Proposed Stone Proposed Jetty	025-04A-043-000-100-COE1A 025-04A-043-000-100-COE1B	
		USACE	July 1947			
tructure Image 25-04A-043-000-1		USACE	July 1947 January 195	Proposed Jetty	025-04A-043-000-100-COE1B	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-050-005-017A-100

Property Owner:		Location:		Date:
Local		Trunk River	Beach	8/7/2007
Presumed Structure	e Owner:	Based On Co	omment:	,
Local			<u></u>	
Owner Name:		Earliest Struc	cture Record:	Estimated Reconstruction/Repair Cost:
Falmouth		1999		\$19,200.00
Length: Top E	levation: FIRM Map Z	one: FIRM Map Eleva	ation:	
80		VE	14	
Feet Feet N	IAVD 88	Feet NO	GVD	
Primary Type:	Primary Material:	Primary Height:		
Groin/ Jetty	Stone	5 to 10 Feet		
Secondary Type:	Secondary Material:	Secondary Heig	ht:	
1	1	4		
Structure Summary This structure is the		The armor stone shows	signs of weathering	but are solid. The side slopes and crest are in good
condition.	e soudi jedy at Hulik River.	THE BITHOL STORE SHOWS	signs of weathering	but are solid. The side slopes and crest are in good
Condition	В		Priority	III
Rating	Good		Rating	Moderate Priority
Level of Action	Minor Structure observed to exhibi	t von minor	Action	Consider for Active Project Improvement Listing
Description	problems, superficial in nature to landform is present. Struadequate to provide protecticoastal storm with no damage to prevent / limit future determined of structure.	re. Minor erosion acture / landform on from a major ge. Actions taken	Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
Structure Image		Structure Docume		<u></u>
025-050-005-017A-	100-PHO1A.jpg			Accompanying 025-050-005-017A-100-COE1A
		DEP	October 200 Plan	Accompanying 025-050-005-017A-100-LIC1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-050-005-017A-200

		Location:	Location:		Date:		
Local		Trunk River	Beach			8/7/2007	
Presumed Structur	e Owner:	Based On C	omment:		g.		
Local	<u> </u>						
Owner Name:		" Earliest Stru	icture Record:	Fet	imated Reconstru	tion/Penair Cost	
Falmouth	almouth		1000/01	Estimated Reconstruction/Repair (\$19,20		\$19,200.00	
	levation: FIRM Map 2						
80 Foot Foot N	IAMD 60	VE	14				
	IAVD 88	Feet N			-23		
Primary Type: Groin/ Jetty	Primary Material: Stone	Primary Height 5 to 10 Feet	<u> </u>	The State of the S			
	•				11/4		
Secondary Type:	Secondary Material:	Secondary Heig	int:				
Structure Summary		,			1		
Condition Rating Good Level of Action Description Structure observed to exhibit very problems, superficial in nature. Mir to landform is present. Structure adequate to provide protection from coastal storm with no damage. Act to prevent / limit future deterioration life of structure.		ure. Minor erosion ucture / landform ion from a major ge. Actions taken	Priority Rating Action Description	Listing Inshore Struct Infrastructure	ctive Project Impr ures with potential Damage and/or Li vellings (<1 dwelli	for mited	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-050-007-018-100

Property Owner:		Location:		Date:	
Local	<u> </u>	Surf Drive Bea	ch		8/7/2007
Presumed Structure	e Owner:	Based On Com	ment:	•	
Local					4
Owner Name:		Earliest Structe	ire Record:	Estimated Reconstruct	ion/Renair Cost
Falmouth	18 J- 14 J-	Unkown		Estimated Nectrist dec	\$168,168.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevati	on.		
280	VE		14		
Feet Feet N	IAVD 88	Feet NGV	Ď	A	
Primary Type:	Primary Material:	Primary Height:			
Revetment	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Height	:		
					<u> </u>
Structure Summary					-366
This structure is a	stone revetment at the far west end	of Surf Drive beach	n. The structure e	exhibits a clear crest and side slopes.	Some armor
stories are proken	and there is one section where the	crest is slumping.			
Condition	С		Priority	IV	
Rating	Fair		Rating	High Priority	
Level of Action	Moderate		Action	Consider for Next Project Constru	ction Listing
Description	Structure is sound but may exhibit deterioration, section loss, crackin undermining, and/or scour. Structuto withstand major coastal storm with moderate damage. Actions taken to structure to provide full protection coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not fully protect shoreline during an storm. Actions taken to provide admaterial for full protection and extending the structure.	g, spalling, ure adequate vith little to to reinforce from major e of damage to t be sufficient najor coastal dition	Description	High Value Inshore Structures wit for Infrastructure Damage and/or Density Residential Dwellings (1-irnpacted / 100 feet of shoreline)	Moderate
Structure Image 025-050-007-018-1		cture Documen	ts:		

Structure Assessment Form

Town: Falmouth
Structure ID: 025-050-007-020-100

Property Owner:		Location			Date:	
Local		Surf Drive		Date: 8/7/2007		
ļ	• 0	ļ			5,7/2007	
Presumed Structur	e Owner:	Based On (Comment:			
Local)				
Owner Name:	and the second s		ucture Record:	_	Estimated Reconstruction/Repair Cost:	
Falmouth		1947			\$345,280.00	
Length: Top E	levation: FIRM Map Zo	one: FIRM Map Ele	vation:			
520		VE .	17			
Feet Feet N	AVD 88	Feet i	NGVD			
Primary Type:	Primary Material:	Primary Heigh	+•			
Groin/ Jetty	Stone	Under 5 Feet		The state of the s		
Secondary Type:	Secondary Material:	Secondary Hei	ahtı		The same of the sa	
occoridary type:	Secondary Platerial.	Secondary Hei	gnt.		THE PERSON NAMED IN	
Structure Summary	, .	•				
		end of Surf Drive Be	ach. The armo	r stones are weathe	red and the heads of the groins are	
becoming unravele	d. There are also some cracke	d and displaced stone	es.	313.133 4.3 1134.13	rea and the neads of the grows are	
Condition	С		Priority	II		
Rating	Fair		Rating	Low Priori	ty	
Level of Action	Moderate		Action	Future Pro	pject Consideration	
Description	Structure is sound but may edeterioration, section loss, or undermining, and/or scour. Sto withstand major coastal st moderate damage. Actions to structure to provide full prote coastal storm and for extend structure. Moderate wind or landform exists. Landform m to fully protect shoreline during storm. Actions taken to provimaterial for full protection and	acking, spalling, tructure adequate orm with little to aken to reinforce ction from major ing life of wave damage to ay not be sufficient ng a major coastal de addition	Descripti		tructures Present with Limited or Significant Infrastructure Damage	
			onto:			
Structure Image	es:	Structure Docum	enus:			
Structure Image		Structure Docum USACE	January 194	Proposed Stone	025-050-007-020-100-COE1A	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-050-007-021-100

Property Owner:		Location:		Da	to
Local		Surf Drive Be	ach		8/7/2007
Presumed Structure	e Owner:	Based On Cor			
Owner Name: Falmouth	M. P. C.	Earliest Struct	ture Record:	Estimated Recor	struction/Repair Cost: \$76,646.00
Feet Feet N Primary Type: Revetment Secondary Type: Structure Summary		FIRM Map Elevat Feet NG Primary Height: Under 5 Feet Secondary Heigh	17 VD t:		
Condition Rating Level of Action Description	e remnants of riprap placed along to the beach. There is no interlocking F Critical Immediate Conditions of structure/landform in emergency stabilization as failure potential loss of property and/or liferoded, loss of integrity. Structure critical levels of deterioration, sect cracking, spalling, undermining, as Structure provides little or no prote major coastal storm. Actions take reconstruct structure to regain full Landform stability is severely com rate of erosion/material loss may to and landform does not provide add protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recreate landform to adec for full protection from a major coastal storaken to recr	nay warrant may result in fe. Landform exhibits ion loss, nd/or scour. ection from a n to totally capacity. promised, pe increasing, equate orm. Actions	Priority Rating Action Description	IV High Priority Consider for Next Project C High Value Inshore Structur for Infrastructure Damage a Density Residential Dwellin impacted / 100 feet of shore	onstruction Listing res with Potential ind/or Moderate gs (1-10 dwellings
Structure Image 025-050-007-021-10		icture Documer	nts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-051-002-049A-100

Property Owner:		Location:	OK.	Date:	
Local		Woods Hol	е		8/7/2007
Presumed Structure	e Owner:	Based On C	Comment:	,	
Local					***
Owner News		J			
Owner Name: Falmouth	4	1958	ucture Record:	Estimated Reconstruction	\$680,427.00
		1230			\$000,727.00
Length: Top E	evation: FIRM Map Z	one: FIRM Map Elev	vation:		1
435		AO	27		
Feet Feet N	AVD 88	Feet N	IGVD	2016	
Primary Type:	Primary Material:	Primary Height	<u> </u>		
Revetment	Stone	10 to 15 Feet		STATE OF STATE	
Secondary Type:	Secondary Material:	Secondary Hei	ght:		
			_		
Structure Summary				one was dumped, not placed and there	
Condition	en stones. There is granite st	one dumped at the en	d of the structure wh <i>Priority</i>	ich lies over the old material.	
Rating	Poor		Rating	High Priority	
Level of Action	Major		Action	Consider for Next Project Constructi	ion Listing
Description	Structure exhibits advanced deterioration, section loss, of undermining, and/or scour. strong risk of significant dan failure during a major coasts should be monitored until repairs/reconstruction can be taken to reconstruct structur capacity to resist a major coand Landform eroded, stability the Landform not adequate to put during major coastal storm, recreate landform to adequate to protection from a major coastal storm.	racking, spalling, Structure has hage and possible al storm. Structure e initiated. Actions to regain full astal storm. hreatened. rovide protection Actions taken to te limits for full	Description	High Value Inshore Structures with I for Infrastructure Damage and/or Mo Density Residential Dwellings (1-10 impacted / 100 feet of shoreline)	oderate
Structure Image		Structure Docum			
025-051-002-049A-		MA-DCR	December 1 Prop	osed Shore 025-051-002-049A-	100-DCR1A
025-051-002-049A-	100-РНО1В. јр д				

Structure Assessment Form

Town: Falmouth

Structure ID: 025-051-002-050-100

Property Owner:			Location	1:	Da	te:
Local			Woods He	ole		8/7/2007
Presumed Structur	e Owner:		Based On	Comment:	p	
Local	<u> </u>					
Ourar Name			j Endiant St	D		
Owner Name: Falmouth	<u></u>		1958	ructure Record:	Estimated Recor	struction/Repair Cost: \$223,839.00
			ļīī.		1	4223,033.00
	levation:	FIRM Map Zone:	FIRM Map El	evation:		
1425		VE		27		
Feet Feet N	IAVD 88		Feet	NGVD		
Primary Type:	_	Material:	Primary Heig		75	
Revetment	Stone		10 to 15 Fee	t		
Secondary Type:	Secondar	y Material:	Secondary He	eight:	1	-
	ł				His To	
Structure Summan						
with a side slope u bank. The upper s	p from the water	line, a crest width	n of one arm or s	stone and then a secon	t. The structure exhibits a 2-tie d sloped section running above	the crest up the
Condition	В			Priority	IV	
Rating	Good			Rating	High Priority	
Level of Action	Minor			Action	Consider for Next Project C	
Description	problems, super to landform is pr adequate to prov coastal storm wi	yed to exhibit very ficial in nature. M esent. Structure vide protection fro th no damage. A future deteriorati	hinor erosion e / landform om a major Actions taken	Description	High Value Inshore Structur for Infrastructure Damage a Density Residential Dwellin impacted / 100 feet of shore	ind/or Moderate gs (1-10 dwellings
Structure Image			ucture Docur		osed Shore 025-051-00	2-050-100-DCR1A
025-051-002-050-1		_		, , , ,	, , , , , , , , , , , , , , , , , , , ,	
025-051-002-050-1		_				

Structure Assessment Form

Town: Falmouth
Structure ID: 025-24A-011-005-100

	Location	n:		Date:
	West Fali	mouth Harbor		8/7/2007
re Owner:	Based On	Comment:		1
,,,,		Comment		
]			
	the state of the s	tructure Record:	Estimate	ed Reconstruction/Repair Cost:
	1,555		J J	\$303,600.00
levation: FIRM Map 2	one: FIRM Map El	levation:	To the second se	
	VE	16		
NAVD 88	Feet	NGVD		No. of Contract of
Primary Material:	Primary Heig	ht:		الم السيوري
Stone	5 to 10 Feet			
Secondary Material:	Secondary H	eight:		
/:				
deterioration, section loss, of undermining, and/or scour. strong risk of significant dar failure during a major coasts should be monitored until	cracking, spalling, Structure has mage and possible al storm. Structure e initiated. Actions re to regain full pastal storm. hreatened.	Rating Action Description	Moderate Priority Consider for Active Listing Inshore Structures Infrastructure Dama Residential Dwellin	age and/or Limited gs (<1 dwelling impacted /
Landform eroded, stability to Landform not adequate to p during major coastal storm. recreate landform to adequate protection from a major coastal and to the coastal state protection from a major coastal and to the coastal state to the coastal state and to the coastal state to the coastal state and to the coastal stat	Actions taken to ate limits for full			
Landform not adequate to p during major coastal storm. recreate landform to adequate protection from a major coa	Actions taken to ate limits for full stal storm.	ments:		
Landform not adequate to p during major coastal storm. recreate landform to adequate	Actions taken to ate limits for full		osed Pile and 025	5-24A-011-005-100-COE1A
	Primary Material: Stone Secondary Material: y: bulkhead at the town pier in sing stones and there are spo D Poor Major Structure exhibits advanced deterioration, section loss, oundermining, and/or scour. strong risk of significant dar failure during a major coasts should be monitored until	Earliest S 1955	Earliest Structure Record: 1955	Earliest Structure Record: Earliest Structure Record: Estimate 1955 Elevation: FIRM Map Zone: VE 16 NAVD 88 Feet NGVD Primary Material: Stone Firmary Height: Stone Feet NGVD Primary Height: Feet NGVD Feet

Structure Assessment Form

Town: Falmouth

Structure ID: 025-40A-001-003-100

Property Owner:	b	Location:		Date	e:
Local		Washburn Ro	ad		8/8/2007
Presumed Structure	e Owner:	Based On Cor	nment:	1.6	
Local					
Owner Name:		Earliest Struct	ure Record:	Estimated Recons	truction/Repair Cost:
Falmouth		Unkown			\$577,527.00
Feet Feet N Primary Type: Bulkhead/ Seawall Secondary Type: Revetment Structure Summary This structure is an	Secondary Material: Stone : abandoned wooden bulkhead front		t: s. The structure ru		
	anding upright with a large majority ed and the beach behind the struct		ructure having beer	n destroyed. The stones fronting	the old piles are
Condition	F		Priority	III	
Rating	Critical		Rating	Moderate Priority	
Level of Action	Immediate		Action	Consider for Active Project In Listing	nprovement
Description	Conditions of structure/landform memergency stabilization as failure potential loss of property and/or liferoded, loss of integrity. Structure critical levels of deterioration, sect cracking, spalling, undermining, at Structure provides little or no protemajor coastal storm. Actions take reconstruct structure to regain full Landform stability is severely comrate of erosion/material loss may be and landform does not provide adoptotection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal staken to recreate landform to adoct for full protection from a major coastal states.	may result in e. Landform exhibits ion loss, and/or scour. ection from a to totally capacity. promised, be increasing, equate orm. Actions quate limits	Description	Inshore Structures with poter Infrastructure Damage and/o Residential Dwellings (<1 dv 100 feet of shoreline)	r Limited
Structure Image 025-40A-001-003-1		ıcture Documer	nts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-40A-001-003A-100

		Location:			Date:	
Local		Menauhant Road East of Bournes Pond 8/8/20				
Presumed Structure	e Owner:	Based On Co	omment:			
Local						
Owner Name:		Earliest Stru	cture Record:	Estin	nated Reconstruction	n/Repair Cost:
Falmouth		1948				\$169,320.00
Length: Top E	levation: FIRM Map Zor	e: FIRM Map Eleva	ation:			
255		VE	17			
Feet Feet N	IAVD 88	Feet No	GVD			
Primary Type:	Primary Material:	Primary Height:				
Groin/ Jetty	Stone	Under 5 Feet				
Secondary Type:	Secondary Material:	Secondary Heig	ht:	The Assessment of the Second		
Structure Summary	<i>(</i> :				PERSONAL	
between armor sto Condition	ones. The stones at the head ar	nd the side slopes are	becoming unraveled Priority			
Rating	Fair		Rating	None		
Level of Action	Moderate		Action	Long Term Planning Considerations No Inshore Structures or Residential Dwelling		
Description	Structure is sound but may ex deterioration, section loss, cra undermining, and/or scour. St to withstand major coastal sto moderate damage. Actions ta structure to provide full protect coastal storm and for extendir structure. Moderate wind or vlandform exists. Landform mat to fully protect shoreline durin storm. Actions taken to provide	cking, spalling, ructure adequate rm with little to ken to reinforce tion from major ng life of vave damage to y not be sufficient g a major coastal e addition	Description	Units Present		•
	material for full protection and	extended life.		- Will		
	es:	Structure Docume		- Vis		
Structure Imag 025-40A-001-003A	es: -100-PHO1A.jpg	Structure Docume	December 1 Prop		025-40A-001-003A	

Structure Assessment Form

Town: Falmouth
Structure ID: 025-40A-017-001-100

Property Owner:		Location	n:		Date:	
Local		Jewelers	Road	<u> </u>		8/8/2007
Presumed Structure	e Owner:	Based On	Comment:		•	
Local						A
Owner Name:		Earliest Si	tructure Record:		Estimated Reconstruc	tion/Repair Cost:
Falmouth		1948		Ī		\$411,655.00
Length: Top E	levation: FIRM Map Zo	ne: FIRM Map El	evation:			
310		VE	17			
Feet Feet N	IAVD 88	Feet	: NGVD			
Primary Type:	Primary Material:	Primary Heig	ht:			
Groin/ Jetty	Stone	Under 5 Fee	t			1
Secondary Type:	Secondary Material:	Secondary He	eight:			
1	1					
Structure Summary						
western groin is be	pair of stone groin <mark>s on</mark> the bea eing flanked.	cn running east of J	Jewelers Road. Ti	ne stones are unrave	led and mostly subme	erged. The
Condition	D		Priority	ı		To the state of th
Rating	Poor		Rating	None		
Level of Action	Major		Action	Long Term	Planning Consideration	ons
Description	Structure exhibits advanced ledeterioration, section loss, craundermining, and/or scour. Strong risk of significant dama failure during a major coastal should be monitored until repairs/reconstruction can be taken to reconstruct structure capacity to resist a major coal Landform eroded, stability thrulandform not adequate to produring major coastal storm. A recreate landform to adequate protection from a major coastal storm.	acking, spalling, tructure has age and possible storm. Structure initiated. Actions to regain full stal storm. eatened. vide protection ctions taken to e limits for full	Descriptio	No Inshore Units Prese	Structures or Resider	ntial Dwelling
Structure Image		Structure Docur	ments:			
025-40A-017-001-1	00-PHO1A.jpg	MA-DCR	December 1	Proposed Shore	025-40A-017-00	1-100-DCR1A

Structure Assessment Form

Town: Falmouth
Structure ID: 025-40A-017-001-200

Property Owner:	Location:		Date:
Local	Eel Pond/Ch	ilds River	8/8/2007
Presumed Structure Owner:	Based On Co	omment:	,
Local			
Owner Name:	Earliest Stru	cture Record:	Estimated Reconstruction/Repair Cost:
Falmouth	1952		\$600,600.00
Length: Top Elevation: FIRM Map Zor	ne: FIRM Map Eleva	ation:	
250	VE	17	
Feet Feet NAVD 88	Feet No	GVD	No.
Primary Type: Primary Material: Groin/ Jetty Stone	Primary Height: 5 to 10 Feet	<u> </u>	and the same of the same of
•	4	L .	
Secondary Type: Secondary Material:	Secondary Heig	IIC.	14 A STATE OF THE REAL PROPERTY OF THE PROPERTY OF
Structure Summary :	a .		
armor stones at the head are becoming unraveled material is lost throughthe structure. Condition D	and the center of the	trunk is slumping. Priority	ce to Eel Pond/Childs River in East Falmouth. The There is erosion adjacent to slumped areas where
Rating Poor		Rating	Moderate Priority
Level of Action Major		Action	Consider for Active Project Improvement
Structure exhibits advanced led deterioration, section loss, craundermining, and/or scour. Sistrong risk of significant dama failure during a major coastal should be monitored until repairs/reconstruction can be taken to reconstruct structure capacity to resist a major coast Landform eroded, stability thre Landform not adequate to produring major coastal storm. As recreate landform to adequate protection from a major coastal	cking, spalling, tructure has ge and possible storm. Structure initiated. Actions to regain full stal storm. eatened. vide protection ctions taken to limits for full	Description	Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
	Structure Docume		posed Shore 025-40A-017-001-200-COE2A
025-40A-017-001-200-PHO2C.jpg			
	•		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46A-001-012-100

Property Owner:		Location	יח		Dato		
Local		Great Por			Date:		
)		8/8/200			
Presumed Structur	e Owner:	Based On	Comment:				
Local							
Owner Name:		Earliest S	tructure Record:	Е	stimated Reconstruction/Repair Cost:		
Falmouth		1946			\$168,168.00		
		ř.		1			
ength: Top E	Elevation: FIRM Map Zo						
	JAVD 99	AE	12	425			
	NAVD 88	reet	NGVD				
rimary Type:	Primary Material:	Primary Heig					
levetment	Stone	5 to 10 Feet		-	3050		
econdary Type:	Secondary Material:	Secondary He	eight:				
tructure Summan							
rosion of fill behir	e channel protection along the nd the structure is evident.	west side of the en	trance to Great Po	na. The stones are b	ecoming unraveled and some		
Condition	С		Priority	III			
ating	Fair		Rating	Moderate Pri	iority		
evel of Action	Moderate		Action		Active Project Improvement		
Description	Structure is sound but may endeterioration appeties less		B	Listing			
deterioration, section loss, cracking undermining, and/or scour. Structu to withstand major coastal storm with moderate damage. Actions taken to structure to provide full protection of coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not to fully protect shoreline during a mistorm. Actions taken to provide additional material for full protection and external contents.		tructure adequate orm with little to oken to reinforce ction from major ng life of wave damage to ay not be sufficient g a major coastal de addition	ure adequate with little to to reinforce from major e of damage to to be sufficient major coastal didition		Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)		
ructure Image 25-46A-001-012-1		Structure Docur MA-DCR		Proposed Shore	025-46A-001-012-100-DCR1A		

Structure Assessment Form

Town: Falmouth
Structure ID: 025-46A-001-012-200

Consider for Active Project Improvement Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)		
roject Improvement		
inraveled along the water		
3		
1		
\$258,258.00		
Reconstruction/Repair Cost:		
8/8/2007		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46A-002-000-100

Property Owner:			Location	า:			Date:	
Local			Little Pon		**	e les la		8/8/2007
Presumed Structur	e Owner:		Based On	Comment:			,	
Local				Earliest Structure Record:			***************************************	
Owner Name:			Earliest St			Es	timated Reconstruc	tion/Renair Cost
Falmouth			1955		_	Γ		\$33,000.00
	levation:	FIRM Map Zoi	ne: FIRM Map Ele	evation:				
250			VE	14				
Feet Feet N	IAVD 88		Feet	NGVD		Sa -		
Primary Type:		Primary Material:	Primary Heig	The state of the s				
Groin/ Jetty	1:	Stone	Under 5 Feet				14 20 JA 1	
Secondary Type:		econdary Material:	Secondary He	eight:			A de	100
			i			14		
Structure Summary								
This structure is the condition.	e west j et	ty at the entrance to	Little Pond. The sto	one is weathered	d but soli	d. The side slo	pes and crest are g	enerally in good
Condition	В			Priority		lii		
Rating	Good			Rating		Moderate Price	ority	
Level of Action	Minor			Action			Active Project Impre	ovement
Description		observed to exhibit s, superficial in nature		Descript	Listin Description Insho		sting shore Structures with potential for	
	to landfo	rm is present. Struc	ture / landform	/ landform		Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted /		
	coastal s	to provide protection torm with no damage	n from a major e. Actions taken			100 feet of sh		ng impacted /
	to prever	nt / limit future deterio	ration and extend				•	
	ille of sti	ucture.						
					Transition (Section)			
tructure Image	es:		Structure Docun	nents:				
25-46A-002-000-1			USACE	May 1955	Propos	ed Stone	025-46A-002-00	0-100-COE1A
		į	DEP	January 199		Accompany	025-46A-002-00	
		•		•				

Structure Assessment Form

Town: Falmouth
Structure ID: 025-46A-002-000-200

Property Owner:		Location	n:	Date:
Local		Little Pon	nd	8/8/2007
Presumed Structure	e Owner:	Based On	Comment:	,
Local				
Owner Name:		Earliest S	tructure Record:	Estimated Reconstruction/Repair Cost:
Falmouth		1955		\$26,400.00
Length: Top E	levation: FIRM Map Zor	e: FIRM Map El	evation:	
200		VE	14	
Feet Feet N	IAVD 88	Feet	: NGVD	
Primary Type:	Primary Material:	Primary Heig	ht:	
Groin/ Jetty	Stone	Under 5 Fee	t	
Secondary Type:	Secondary Material:	Secondary H	eight:	The state of the s
Structure Summary	<i>'</i> :			
This structure is th	e east jetty at the entrance to L	ittle Pond. The sto	one is weathered bu	ut solid. The side slopes and crest are generally in good
condition. There is	s minor slumping along trunk of	the structure.		
Condition	В		Priority	Ш
Rating	Good		Rating	Moderate Priority
Level of Action	Minor		Action	Consider for Active Project Improvement
Description	Structure observed to exhibit v			Listing
	problems, superficial in nature to landform is present. Struct adequate to provide protection coastal storm with no damage	ure / landform i from a major . Actions taken	Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
	to prevent / limit future deterio life of structure.	ration and extend		
Structure Image 125-46A-002-000-2		Structure Docur		
123 -46A- 002-000-2		JSACE	5.	Proposed Stone 025-46A-002-000-200-COE2A
	ļ	DEP	January 199	Plan to Accompany 025-46A-002-000-200-LIC2A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46A-002-000-300

Property Owner:		Location:		Date:	
Local		Little Pond		8/8/2007	
Presumed Structur	e Owner:	Based On Co	mment:		
Local				- 140	
Owner Name:		Earliest Struc	ture Record:	Estimated Reconstruction/Repair Cost:	
rainiouui		Unkown		\$4,290.00	
	levation: FIRM Map Z		tion:		
65		VE	13		
	IAVD 88	Feet NG	GVD		
Primary Type: Revetment	Primary Material: Stone	Primary Height: Under 5 Feet			
Secondary Type:		•	- t		
Secondary Type.	Secondary Material:	Secondary Heigh	10:		
Structure Summary	, .	3			
Iside slopes and cre	est are generally in good cond	ition.		to Little Pond. The stone is weathered but solid. The	
Condition Rating	Good		Priority	III Moderate Priority	
Level of Action	Minor		Rating Action	Consider for Active Project Improvement	
Description	Structure observed to exhibit problems, superficial in nature to landform is present. Struadequate to provide protectic coastal storm with no damage to prevent / limit future determined to for the structure.	re. Minor erosion Icture / landform on from a major ge. Actions taken	Description	Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)	
Structure Image	es:	Structure Docume	nts:		
025-46A-002-000-3	00-PHO3A.jpg	DEP	anuary 199 Plan	to Accompany 025-46A-002-000-300-LIC3A	
		,			

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46A-002-000-400

Property Owner:			Location:			Date:	
Local			Little Pond			8/8/2007	
Presumed Structure	e Owner:		Based On Comment:				
Local	1 22						
Owner Name:			" Earliest Structu	ire Record:	Estimated P	econstruction/Repair Cost:	
Falmouth			Unkown		LISTINGES K	\$6,930.00	
Length: Top E	levation:	FIRM Map Zone:	FIRM Map Elevation				
J	IAVD 88	VE	Feet NGV	13	7/15/		
		. Makadak		U			
Primary Type: Revetment	Stone	/ Material:	Primary Height: Under 5 Feet				
Secondary Type:	,	any Matorials	,			1000	
recondary Type:	Seconda	ary Material:	Secondary Height:			The same	
Structure Summary	, .		u.			Mary.	
Condition Rating Level of Action Description	to landform is padequate to procoastal storm v	rved to exhibit very erficial in nature. Mi present. Structure ovide protection froi vith no damage. Ac it future deterioratio	nor erosion / landform m a major ctions taken	Priority Rating Action Description	III Moderate Priority Consider for Active Pro- Listing Inshore Structures with Infrastructure Damage : Residential Dwellings (100 feet of shoreline)	potential for and/or Limited	
tructure Image 25-46A-002-000-4		Stru DEP	cture Document Jar	S: nuary 199 Plan	to Accompany 025-46/	A-002-000-400-LIC4A	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46A-002-000-500

Property Owner:		Location:		Date:		
Local		Little Pond	· · · · · · · · · · · · · · · · · · ·	8/8/200		
Presumed Structure	e Owner:	Based On Co	omment:			
,		1				
Owner Name: Falmouth		Earliest Stru 1955	cture Record:	Estimated Reconstruction/Repair Cost:		
]		1233		\$156,130.00		
	levation: FIRM Map	Zone: FIRM Map Eleva	ation:			
130		VE	17			
Feet Feet N	IAVD 88	Feet No	GVD			
Primary Type:	Primary Material:	Primary Height:	<u> </u>			
Groin/ Jetty	Stone	5 to 10 Feet				
Secondary Type:	Secondary Material:	Secondary Heig	ht:			
Structure Summary						
miled on the west s	ide with an offset in the bea	ch on the east side. The	crest and side slope	of the structure is becoming unraveled. The groin is es along the groin trunk are in good condition.		
Condition	C Fair		Priority	11		
Rating	Moderate		Rating	Low Priority		
Level of Action		exhibit minor	Action Description	Future Project Consideration Inshore Structures Present with Limited		
	Description Structure is sound but may exhibit deterioration, section loss, crackin undermining, and/or scour. Structut to withstand major coastal storm with moderate damage. Actions taken is structure to provide full protection coastal storm and for extending lift structure. Moderate wind or wave landform exists. Landform may not of fully protect shoreline during a mistorm. Actions taken to provide admaterial for full protection and extending the structure.			potential for Significant Infrastructure Damage		
Structure Image		Structure Docume				
UZ5-46A-UUZ-UUU-5	00-PHO5A.j pg	USACE	lay 1955 Prop	osed Stone 025-46A-002-000-500-COE5A		

Structure Assessment Form

Town: Falmouth
Structure ID: 025-46A-002-000-600

Property Owner:		Location:		Date:	
Local		Little Pond	·		8/8/2007
Presumed Structur	e Owner:	Based On Co	mment:		
Local					<u> </u>
Owner Name:		, Earliest Struc	ture Record:	Estimated Reconstru	uction/Repair Cost
Falmouth		Unkown			\$276,276.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Eleva	tion:		
230	VE		14		
Feet Feet N	NAVD 88	Feet NG	GVD		
Primary Type:	Primary Material:	Primary Height:			
Revetment	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Heigh	nt:		
		5 to 10 Feet			
Structure Summan	/: revetment along the beach east of t				
Condition Rating Level of Action Description	Poor Major Structure exhibits advanced levels deterioration, section loss, crackin undermining, and/or scour. Struct strong risk of significant damage a failure during a major coastal storn should be monitored until repairs/reconstruction can be initiataken to reconstruct structure to recapacity to resist a major coastal standform eroded, stability threatel Landform not adequate to provide during major coastal storm. Action recreate landform to adequate limit protection from a major coastal storn.	g, spalling, ure has and possible m. Structure ated. Actions egain full storm. ned. protection s taken to its for full	Priority Rating Action Description	III Moderate Priority Consider for Active Project Imp Listing Inshore Structures with potentia Infrastructure Damage and/or L Residential Dwellings (<1 dwell 100 feet of shoreline)	al for .imited
Structure Image 025-46A-002-000-6		icture Docume	nts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46A-02A-001-100

Property Owner:		Location:		Date:
Local		Great Pond		8/8/2007
Presumed Structur	e Owner:	Based On Co	mment:	,
Local				
Owner Name:		Earliest Struc	cture Record:	Estimated Reconstruction/Repair Cost:
Falmouth	Falmouth			\$139,440.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Eleva	tion:	
210	VE		14	
Feet Feet N	NAVD 88	Feet NO	GVD	
Primary Type:	Primary Material:	Primary Height:		
Groin/ Jetty	Stone	Under 5 Feet		
Secondary Type:	Secondary Material:	Secondary Heigl	nt:	
	1			A Spirit and the second
Structure Summary This structure is tw		of the entrance to	Great Dond The cir	des and heads are beginning to unravel on both
groins.	to stone groins on the beaut West	or are entrance to	oreat FUNG. THE SIC	ues and neads are beginning to unravel on both
1				
Condition	C		Priority	1
Rating	Fair Madasata		Rating	None
Level of Action Description	Moderate Structure is sound but may exhib	·4·	Action	Long Term Planning Considerations No Inshore Structures or Residential Dwelling
	deterioration, section loss, cracki undermining, and/or scour. Struct to withstand major coastal storm moderate damage. Actions taken structure to provide full protection coastal storm and for extending listructure. Moderate wind or wave landform exists. Landform may not of fully protect shoreline during a storm. Actions taken to provide a material for full protection and extending the store of the store	ture adequate with little to 1 to reinforce 1 from major ife of 2 damage to ot be sufficient major coastal ddition	Description	Units Present
Structure Image 025-46A-02A-001-1		ucture Docume	nts:	

Structure Assessment Form

Town: Falmouth
Structure ID: 025-46A-02A-001-200

Property Owner:		Location			Daka
Local		Great Pon		Date: 8/8/2007	
1		,			0/0/2007
Presumed Structure	e Owner:	Based On	Comment:	· · · · · · · · · · · · · · · · · · ·	
Local					
Owner Name:	3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Earliest St	ructure Record:		Estimated Reconstruction/Repair Cost:
Falmouth		1935			\$318,265.00
Length: Top E	levation: FIRM Map Zor	ne: FIRM Map Ele	evation:		
265		VE VIKITIAD LIE	14		
Feet Feet N	IAVD 88	l Feet	NGVD		
Primary Type:	Primary Material:	Primary Heigi		W. Carlotte	
Groin/ Jetty	Stone	5 to 10 Feet		-	100 m
Secondary Type:	" Secondary Material:	Secondary He	eiaht:	A 1 100	
, ,,,,			J. J. L.		
Structure Summary	<i>'</i> :				No. of Street,
This structure is th	e west jetty at the entrance to	Great Pond. The cr	est and side slo	pes are in fair conditio	n.
The flead is beginn	ning to unravel with a loss of int	enocking between	aujacent armor s	stones.	
Condition	С		Priority	III	
Rating	Fair		Rating	Moderate P	•
Level of Action	Moderate	hihit minas	Action	Consider fo Listing	r Active Project Improvement
Description	Structure is sound but may ex deterioration, section loss, cra undermining, and/or scour. St to withstand major coastal sto moderate damage. Actions tal structure to provide full protec coastal storm and for extendir structure. Moderate wind or w landform exists. Landform ma to fully protect shoreline during storm. Actions taken to provid material for full protection and	cking, spalling, ructure adequate rm with little to ken to reinforce tion from major ag life of vave damage to y not be sufficient g a major coastal e addition	Descript	ion Inshore Stru	uctures with potential for re Damage and/or Limited Dwellings (<1 dwelling impacted / shoreline)
Structure Image	200-PHO2A.jpg	Structure Docur MA-DCR MA-DCR	nents: March 1935 June 1946	Proposed Excavatio	on 025-46A-02A-001-200-DCR2A 025-46A-02A-001-200-DCR2B

Structure Assessment Form

Town: Falmouth
Structure ID: 025-46A-02A-001-300

Property Owner:		Location:			Date		
Local		Great Pond		· · · · · · · · · · · · · · · · · · ·		8/8/2007	
Presumed Structure	e Owner:	Based On C	Comment:		ĮI		
Local							
Owner Name:		 Farliest Str	ucture Record:		Estimated Basenet	suction (Donnie Cont.	
Falmouth		1935	icture Record.	_	Esumated Reconst	ruction/Repair Cost: \$222,185.00	
		Į.			J.		
	levation: FIRM M	ap Zone: FIRM Map Elev	The state of the s				
185		VE	14				
Feet Feet N	IAVD 88	Feet N	IGVD		13		
Primary Type:	Primary Materia						
Groin/ Jetty	Stone	5 to 10 Feet					
Secondary Type:	Secondary Mater	ial: Secondary Heig	ght:	1	1		
1							
Structure Summary		W					
head is beginning t	to unravel with a loss of i	ce to Great Pond. The cres nterlocking between adjace	nt armor stone	idition. There is s es.	come slumping of the si	de slopes. The	
Condition	С		Priority	III			
Rating	Fair		Rating	Modera	ate Priority		
Level of Action	Moderate				Consider for Active Project Improvement Listing		
Description	Description Structure is sound but may exhibit deterioration, section loss, cracking undermining, and/or scour. Structure to withstand major coastal storm we moderate damage. Actions taken to structure to provide full protection of coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not to fully protect shoreline during a mestorm. Actions taken to provide additional material for full protection and external structure.		ng, spalling, ture adequate with little to to reinforce from major fe of e damage to ot be sufficient major coastal ddition		Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)		
025-46A-02A-001-300-PHO3A.jpg MA-I		MA-DCR	ents: March 1935 June 1946 January 195	Proposed Excar Proposed Shore Proposed Hurric	025-46A-02A-	001-300-DCR3A 001-300-DCR3B 001-300-DCR3C	
		,	- Lineary 100	g. repeated right	1020-101-021-		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-002-000D-100

Property Owner: Local Presumed Structure Owner: Local		Location:		Date:
		Falmouth Ha	arbor	8/8/2007
		Based On Co	Based On Comment:	
Owner Name:		Earliest Struc 1953	cture Record:	Estimated Reconstruction/Repair Cost: \$51,322.00
Longthy Ton F	TO MANAGEMENT	7		1
Length: Top Elevation: FIRM Map Zone: 405 VE		Zone: FIRM Map Eleva	ition:	
Feet Feet N	I IAVD 88	Feet NO		
Primary Type:	Primary Material:	Primary Height:		
Bulkhead/ Seawall		5 to 10 Feet		
Secondary Type:	Secondary Material:	Secondary Heigl	nt:	1 1 1
Structure Summary		Program Tagle 1997		
structure is a	wooden bulkhead along the s to be in good condition. The	southeast portion of Falm structure was not inspec	outh Harbor. The tated below the water	imbers and pilings are weathered but solid. The
1	3		issa bolow are water	
Condition	В		Priority	III
Rating	Good Minor		Rating	Moderate Priority
Level of Action Description	Structure observed to exhib	it very minor	Action	Consider for Active Project Improvement Listing
problems, superficial in nature. Mir to landform is present. Structure adequate to provide protection from coastal storm with no damage. Act to prevent / limit future deterioration life of structure.		ure. Minor erosion ucture / landform ion from a major ge. Actions taken	Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
			anuary 195 Prop	osed Bulkhead - 025-46B-002-000D-100-COE1A Accompanying 025-46B-002-000D-100-LIC1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-002-000D-200

Property Owner:		Location:		Date:
Local		Falmouth H	arbor	8/8/2007
Presumed Structure Owner:		Based On Co	omment:	,
Local			,,,	
Owner Name:		Farliest Stru	cture Record:	Estimated Percenting / Pencin Cont.
Falmouth	<u> </u>	Unkown	cture Record.	Estimated Reconstruction/Repair Cost: \$144,514.00
Length: Top E	levation: FIRM Map Zone: VE	FIRM Map Eleva	ation:	A STREET, STRE
1 1	NAVD 88	Feet No		
Primary Type:	Primary Material:	Primary Height:		
Bulkhead/ Seawall		Under 5 Feet		
Secondary Type:	Secondary Material:	Secondary Heig	ht:	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Structure Summary				
This structure is a evident throughout	recurved concrete seawall fronting the structure. Some undermining	a parking lot at the	e southeast corne r o center is evident.	of Falmouth Harbor. There is cracking and spalling
Condition	D		Priority	III
Rating	Poor		Rating	Moderate Priority
Level of Action	Major		Action	Consider for Active Project Improvement Listing
Description	Structure exhibits advanced level deterioration, section loss, cracking undermining, and/or scour. Structure strong risk of significant damage a failure during a major coastal storn should be monitored until repairs/reconstruction can be initiated to reconstruct structure to recapacity to resist a major coastal Landform eroded, stability threate Landform not adequate to provide during major coastal storm. Action recreate landform to adequate limprotection from a major coastal st	ng, spalling, ture has and possible m. Structure ated. Actions egain full storm. e protection as taken to its for full	Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
Structure Image		ucture Docume	nts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-003-001-100

Property Owner:	1.	Location:			Date:
Local		Falmouth Heights			8/8/2007
Presumed Structure Owner:		Based On Con	nment:		
Local					
Owner Name:		Earliest Struct	ture Record:	Estimated Re	construction/Repair Cost:
Falmouth		Unkown			\$549,549.00
915 Feet Feet N	levation: FIRM Map Zone: VE	Feet NG	11		
Primary Type: Revetment	Primary Material: Stone	Primary Height: 5 to 10 Feet	_		4
Secondary Type:	Secondary Material:	Secondary Height	t:		
Structure Summary		harant 6 a. 11 G			
but there is some s	e western portion of the stone reve small slumping in areas on the crest	tment fronting Grar :.	nd Avenue at the b	ase of Falmouth Heights. Th	ne sideslopes are intact
Condition	С		Priority	IV	
Rating	Fair		Rating	High Priority	
Level of Action	Moderate		Action	Consider for Next Project	t Construction Listing
Description	Structure is sound but may exhibit deterioration, section loss, crackin undermining, and/or scour. Structuto withstand major coastal storm v moderate damage. Actions taken structure to provide full protection coastal storm and for extending lift structure. Moderate wind or wave landform exists. Landform may no to fully protect shoreline during a material for full protection and extending for full protection and extending the structure.	g, spalling, ure adequate vith little to to reinforce from major e of damage to t be sufficient najor coastal lidition	Description	High Value Inshore Structor Infrastructure Damag Density Residential Dwe impacted / 100 feet of sh	e and/or Moderate Ilings (1-10 dwellings
Structure Image 025-46B-003-001-1		octure Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-003-002-100

Property Owner:		Location		Date:
Local Presumed Structure Owner:		Falmouth	Heights	8/8/2007
		Based On	Comment:	·
Local				
" Owner Name:		" Farliest Str	ructure Record:	Estimated Reconstruction/Repair Cost:
Falmouth		1970	detare record.	\$3,498,297.00
Length: Top E	levation: FIRM Map Z	one: FIRM Map Ele	vation:	
J J	NAVD 88	1	NGVD	
Primary Type: Revetment	Primary Material: Stone	Primary Heigh 10 to 15 Feet	·	
Secondary Type:	Secondary Material:	Secondary He		
Bulkhead/ Seawall		5 to 10 Feet	ignt.	
Structure Summary	,	,		
This structure is the of riprap fronting a unraveled.	ne eastern portion of the stone and backing an abandoned sea	revetment fronting G wall. The seawall is	irand Avenue at the bac completely failed in ma	ase of Falmouth Heights. The structure is comprised any sections. The riprap fronting the seawall is
Condition	D		Priority	IV
Rating	Poor		Rating	High Priority
Level of Action	Major		Action	Consider for Next Project Construction Listing
Description	Structure exhibits advanced deterioration, section loss, c undermining, and/or scour. strong risk of significant dam failure during a major coasta should be monitored until repairs/reconstruction can be taken to reconstruct structur capacity to resist a major coasta stommeroded, stability the Landform not adequate to produring major coastal storm. In recreate landform to adequate protection from a major coastal storm.	racking, spalling, Structure has lage and possible I storm. Structure e initiated. Actions e to regain full astal storm. reatened. ovide protection Actions taken to te limits for full	Description	High Value Inshore Structures with Potential for Infrastructure Damage and/or Moderate Density Residential Dwellings (1-10 dwellings impacted / 100 feet of shoreline)
Structure Image 025-46B-003-002-1 025-46B-003-002-1	00-PHO1A.jpg 00-PHO1B.jpg	Structure Docum		osed Shore 025-46B-003-002-100-DCR1A
025-46B-003-002-1	ю-РНОТС.jpg			

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-009-000Q-100

Property Owner:		Location:		Date:
Local		Central Park	8/8/2007	
" Presumed Structure	e Owner:	Based On Co	mment•	, , , , , , , , , , , , , , , , , , , ,
Local		- Dusca on Co		
Owner Name:		j Fordinat Chro	rhuna Daaanda	Filtrand Burnella in Control
Falmouth		Unkown	cture Record:	Estimated Reconstruction/Repair Cost: \$582,305.00
				4302,303.00
The state of the s	evation: FIRM Map Zone:	FIRM Map Eleva		
1370	AE		14	A STATE OF THE STA
Feet Feet N	AVD 88	Feet NO	GVD	
Primary Type:	Primary Material:	Primary Height:		1000
Bulkhead/ Seawall	Concrete	Under 5 Feet		
Secondary Type:	Secondary Material:	Secondary Heig	ht:	
1	1	1		1
Structure Summary				
along the wall. The	ere are multiple small patched area	s evident on the w	all face.	is some superficial cracking and spalling evident
Condition	C		Priority	III
Rating	Fair		Rating	Moderate Priority
Level of Action	Moderate		Action	Consider for Active Project Improvement Listing
Description	Structure is sound but may exhibit deterioration, section loss, cracking undermining, and/or scour. Struct to withstand major coastal storm a moderate damage. Actions taken structure to provide full protection coastal storm and for extending lift structure. Moderate wind or wave landform exists. Landform may not of fully protect shoreline during a storm. Actions taken to provide act material for full protection and extending the structure.	ng, spalling, ure adequate with little to to reinforce from major fe of to damage to to be sufficient major coastal ddition	Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
Structure Image		ucture Docume	nts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-009-000Q-200

Date: 8/8/200 mated Reconstruction/Repair Cost:
mated Reconstruction/Repair Cost:
mated Reconstruction/Repair Cost:
mated Reconstruction/Repair Cost:
nace reconstruction/repair COSE.
\$265,600.00
are becoing unraveled with
0
Consideration res Present with Limited
gnificant Infrastructure Damage
025-46B-009-000Q-200-DCR2A
025-46B-009-000Q-200-DCR2A 025-46B-009-000Q-200-DCR2B

Structure Assessment Form

Town: Falmouth

Structure ID: 025-46B-03A-000F-100

Property Owner:		Location:			Date:
Local Presumed Structure Owner:		Falmouth Heights			8/8/2007
		Based On Con	nment:		
Local					
Owner Name:		, Earliest Struct	ure Pecord	Estimated Po	construction/Repair Cost:
Falmouth		Unkown	are Record.	LSumated Re	\$112,873.00
	DESCRIPTION OF THE PROPERTY OF				
Length: Top E	levation: FIRM Map Zone:		ion: 17		
1	IAVD 88	Feet NG			
			VD	J. Sto	Marie -
Primary Type: Groin/ Jetty	Primary Material: Stone	Primary Height: Under 5 Feet			
	78	•			
Secondary Type:	Secondary Material:	Secondary Height	<u>: </u>		
	1	1			194
Structure Summary	/: single stone groin protruding from	the revetment from	ing Grand Avenue	at the hans of Falmenth II :	able. It is instance of
the terminus of Ve	rnon Avenue. This is a low profile	groin. The side slop	es and head are u	nraveled.	griss. It is just west or
Condition	D		Priority	I	
Rating	Poor		Rating	None	
Level of Action	Мајог		Action	Long Term Planning Cor	nsiderations
Description	Structure exhibits advanced lever deterioration, section loss, crack undermining, and/or scour. Strustrong risk of significant damage failure during a major coastal sto should be monitored until repairs/reconstruction can be initiaken to reconstruct structure to capacity to resist a major coastal Landform eroded, stability threat Landform not adequate to provid during major coastal storm. Action recreate landform to adequate ling protection from a major coastal storm.	ing, spalling, cture has and possible orm. Structure tiated. Actions regain full I storm. ened. le protection ons taken to mits for full	Description	No Inshore Structures or Units Present	Residential Dwelling
Structure Image 025-46B-03A-000F		ructure Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-47B-009-002-100

Property Owner:			Location:			Date:	Date:	
Local			Falmouth	Harbor			8/8/2007	
resumed Structur	e Owner	-:		Based On	Comment:			
ocal		<u> </u>					, , , , , , , , , , , , , , , , , , ,	
wner Name:				Earliest St	ructure Record:		Estimated Reconstruct	tion/Repair Cost:
almouth				1955		_		\$109,613.00
ength: Top E	levation	: FIRM Map	Zone:	FIRM Map Ele	evation:			
865			AE		11	1		3
Feet Feet N	NAVD 88			Feet	NGVD			
imary Type:		Primary Material:		Primary Heigh	nt•			
ılkhead/ Seawall		Wood	4-25	5 to 10 Feet		n la j		
econdary Type:		Secondary Material:	:	" Secondary He	iaht:			
7 775	_	, , , , , , ,	_			A ROLL OF		
ructure Summan								
		an hulkhead for tow	n marina	along the wee	tom odgo of Fo	mouth Unebox. The	timbers and piles are w	
lid.				a.o.,g a.a v,as	tann dage on ra	modernal bott.	arribers and piles are vi	reducted but
7	В							
ondition	B Good				Priority	III	Daile aide a	
ating evel of Action	Minor				Rating	Moderate I	•	voment
evel of Action Description		re observed to exhi	bit verv n	ninor	Action	Listing	or Active Project Impro	vement
reser ipitori	probler to land adequa coasta to prev	ms, superficial in na Iform is present. St ate to provide protec I storm with no dam rent / limit future det structure.	ture. Min- tructure / ction from age. Act	or erosion landform a major ions taken	Descript	Infrastructu	ructures with potential ure Damage and/or Lin I Dwellings (<1 dwellin shoreline)	nited
ructure Image			Struc	ture Docum	nents:			
		1A.jpg	USAC	E	March 1957	Proposed Bulkhead	025-47B-009-002	-100-COE1A
			MA-D	CR	April 1955	Proposed Timber	025-47B-009-002	-100-DCR1A
			MA-D	CR	January 195	Proposed Timber	025-47B-009-002	
			MA-D DEP	CR	January 195 February 3,	Proposed Timber Plan Accompanying		-100-DCR1B

Structure Assessment Form

Town: Falmouth

Structure ID: 025-47B-009-002-200

Property Owner: Local Presumed Structure Owner:			Location:			Date:	Date:	
			Falmouth Inner Harbor				12/6/2007	
			Based On (Comment:				
Local		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·				
Owner Name:			; Farliect Str	ucture Record:		Estimated Reconstr	uction/Repair Cost:	
Falmouth			1972	ucture Record.	- 1	Estimated Recorsti	\$91,080.00	
					Al-			
	Elevation:	FIRM Map Zone:	FIRM Map Ele			Mare le c		
120		AE		11				
	NAVD 88		Feet I	NGVD	WHY: W	THE STATE OF THE S		
Primary Type:		Material:	Primary Heigh	t:	1		3	
Bulkhead/ Seawal	,		5 to 10 Feet			1		
Secondary Type:	Secondar	y Material:	Secondary He	ight:			1	
	1		i					
Structure Summar		d incompliately and	116.11 1	1222	n the west side of Fa			
Condition Rating Level of Action Description	ng Fair I of Action Moderate			Priority Rating Action Descripti	Listing on Inshore Structu	r Active Project Imputer and Project Imputer Swith potential Project Imputer Swith Proje	al for Limited	
tructure Imag 25-47B-009-002-	200-PHO2A.jpg	US/ US/	ucture Docum ACE	July 1972 January 197	Plans to Accompany	025-47B-009-0	002-200-COE2A 002-200-COE2B	
25-47B-009-002-2		DE	•	March 24, 19	Plan Accompanying	025-47B-009-0	002-200-LIC2A	
25-47B-009-002-2		DE		March 24, 19 6063	Plan Accompanying Plan To Accompany			

Structure Assessment Form

Town: Falmouth

Structure ID: 025-47B-009-007-100

roperty Owner:		Location:			Date:
ocal		Falmouth H	larbor		8/8/2007
resumed Structur	e Owner:	Based On C	omment:		
ocal					
wner Name:		Farliest Str	cture Record:	Estimated	Reconstruction/Repair Cost:
almouth		1957	icture Record.	Estimated	\$58,291.00
ngth: Top E	levation: FIRM Ma	p Zone: FIRM Map Elev	ation:	//	an (19)
- 1	NAVD 88	Feet N		E-PUL	
imary Type:					
ılkhead/ Seawall	Primary Material Wood	Primary Height 5 to 10 Feet	: 		
econdary Type:	Secondary Materi	*	aht.		
condary Types	Secondary Materi	G. Secondary Held	J. II.		
ructure Summan	v :				
		rth end of Falmouth Harbo	r. The dockage and	boats tied up make a deta	iled inspection impossible.
e visible portion	s appear solid.		_		
77					
ondition ating	B Good		Priority	III Moderate Priority	
wing evel of Action	Minor		Rating Action	Consider for Active Pr	oiect Improvement
escription	Structure observed to ex	hibit very minor	Action	Listing	
•	problems, superficial in a to landform is present. adequate to provide protocoastal storm with no da to prevent / limit future d life of structure.	Structure / landform ection from a major mage. Actions taken	Description	Inshore Structures wit Infrastructure Damage Residential Dwellings 100 feet of shoreline)	
Approximate and the control of the c					
ucture Image	es:	Structure Docum	ents:		
5-47B-009-007-1	100-PHO1A.jpg	USACE	January 195 Prop	osed Bulkhead, 025-4	7B-009-007-100-COE1A
		USACE	January 199 Prop	osed Plan to 025-4	7B-009-007-100-COE1B
		NA DOD		osed Harbor 025-4	
		MA-DCR	November 1 Prop	osed rialbol 1025-4	7B-009-007-100-DCR1A
		<u> </u>			7B-009-007-100-DCR1A 7B-009-007-100-LIC1A

Structure Assessment Form

Town: Falmouth
Structure ID: 025-47C-008-001B-100

Property Owner:	Plant and a second a second and	Location	n:		Date:
Local	- · · · · · · · · · · · · · · · · · · ·	Falmouth	Harbor		
Presumed Structure	e Owner:	Based On	Comment:		,
Local					The second secon
Owner Name:		ļ Fadina G	to atom Daniel		
Falmouth		1935	tructure Record:	_	Estimated Reconstruction/Repair Cost: \$875,840.00
		1-755			j 5075,040.00
	levation: FIRM Map	Zone: FIRM Map E	levation:		
560					
Feet Feet N	IAVD 88	Feet	NGVD		
Primary Type:	Primary Material:	Primary Heig			The second second
Groin/ Jetty	Stone	10 to 15 Fee	et		
Secondary Type:	Secondary Material	: Secondary H	eight:		
	1				
Structure Summary	4.				
of structure. Aside	e from this section, the crest	and side slopes are in	good condition.	and displace	ment of armor stones along the middle
Condition	С		Priority	IV	
Rating	Fair		Rating	High Prior	ity
Level of Action	Moderate	= a	Action	Consider f	for Next Project Construction Listing
Description	Structure is sound but madeterioration, section loss, undermining, and/or scour to withstand major coastal moderate damage. Action structure to provide full procoastal storm and for extestructure. Moderate wind landform exists. Landform to fully protect shoreline distorm. Actions taken to primaterial for full protection	cracking, spalling, cracking, spalling, cracking adequate storm with little to s taken to reinforce otection from major nding life of or wave damage to may not be sufficient uring a major coastal ovide addition	Descript	for Infrastr Density Re	e Inshore Structures with Potential ructure Damage and/or Moderate esidential Dwellings (1-10 dwellings / 100 feet of shoreline)
tructure Image 25-47C-008-001B		Structure Docu	ments: August 1935	Dronocod Panairo	1005 470 000 004D 400 DODA
25-47C-008-001B		MA-DCR	January 193	Proposed Repairs Proposed Riprap	to 025-47C-008-001B-100-DCR1A 025-47C-008-001B-100-DCR1B
300 0010		MA-DCR	July 1952	Proposed Riprap	025-47C-008-001B-100-DCR1C
			1757.002	I. Johnson	1320 110 000 001B-100-DOI(10

Structure Assessment Form

Town: Falmouth

Structure ID: 025-47C-008-001B-200

Property Owner:		Location:		Date:	
Local		Falmouth Har	bor		8/8/2007
Presumed Structur	re Owner:	Based On Cor	nment:	,	
Local			*** *** ****	<u> </u>	
Owner Name:		" Earliest Struct	ture Record:	Estimated Reconstruc	ction/Repair Cost:
Falmouth		1935			\$138,115.00
The second second	levation: FIRM Map Zone:	FIRM Map Elevat	ion:		
115	VE		17		
Feet Feet N	NAVD 88	Feet NG	VD		
Primary Type:	Primary Material:	Primary Height:		The an	NAME OF THE OWNER, WHEN
Groin/ Jetty	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Heigh	<u>t:</u>		-6
				A	
Structure Summan					
slumped section in	ne east jetty at the entrance to Fair In the center. Aside from these area	nouth Harbor. Then as, the crest and side	e is a seciton at the e slopes are in good	head that is starting to unravel as a doubter.	well as a
Condition	С		Priority	IV	
Rating	Fair		Rating	High Priority	
Level of Action	Moderate		Action	Consider for Next Project Const	ruction Listing
Description	Structure is sound but may exhib deterioration, section loss, cracki undermining, and/or scour. Structo withstand major coastal storm moderate damage. Actions taker structure to provide full protection coastal storm and for extending I structure. Moderate wind or wav landform exists. Landform may no fully protect shoreline during a storm. Actions taken to provide a material for full protection and extending a storm.	ing, spalling, ture adequate with little to n to reinforce n from major ife of e damage to ot be sufficient major coastal iddition	Description	High Value Inshore Structures w for Infrastructure Damage and/o Density Residential Dwellings (' impacted / 100 feet of shoreline)	r Moderate 1-10 dwellings
Structure Image 025-47C-008-001B		ucture Documer -DCR A	nts: ugust 1935 Prop	osed Repairs to 025-47C-008-00	1B-200-DCR2A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-49A-001-039-100

Property Owner:		Location:		Date:
Local		Woods Hole		8/7/2007
Presumed Structure Owner:		Based On Com	ment:	•
Local				
Owner Name:		Earliest Structi	ire Records	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown	are record.	\$273,240.00
Length: Top I	Elevation: FIRM Map Zone:	FIRM Map Elevati	on:	
360	AE		11	
Feet Feet	NAVD 88	Feet NGV	'D	
Primary Type:	Primary Material:	Primary Height:		
Bulkhead/ Seawal	Stone	5 to 10 Feet		
Secondary Type:	Secondary Material:	Secondary Height	<u>:_</u>	
		1		
Structure Summar				
There is slumping	of the ground behind wall crest sug	or Eel Pond. The wa gesting some fill los	II has a concrete of sout of the front a	cap. The cap and face of the wall are weathered. and bottom of the wall.
Condition	С		Priority	IV
Rating	Fair		Rating	High Priority
Level of Action			Action	Consider for Next Project Construction Listing
Description Structure is sound but may exhibit deterioration, section loss, cracking undermining, and/or scour. Structure to withstand major coastal storm with moderate damage. Actions taken to structure to provide full protection of coastal storm and for extending life structure. Moderate wind or wave landform exists. Landform may not to fully protect shoreline during a material for full protection and extending life structure.		ng, spalling, ure adequate with little to to reinforce from major fe of e damage to bt be sufficient major coastal didition	Description	High Value Inshore Structures with Potential for Infrastructure Damage and/or Moderate Density Residential Dwellings (1-10 dwellings impacted / 100 feet of shoreline)
Structure Imag 025-49A-001-039- 025-49A-001-039-	100-PHO1A.jpg	ucture Document	ts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-49A-001-055-100

Property Owner:		Location:		Date:	
Local		Woods Hole			8/7/2007
Presumed Structur	re Owner:	Based On Cor	nment:	•	
Local					
Owner Name:		Earliest Struct	ure Record:	Estimated Reconstru	ction/Repair Cost:
Falmouth		Unkown			\$37,191.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevat	ion:		
245	AE		11		100
Feet Feet N	NAVD 88	Feet NG	VD		
Primary Type:	Primary Material:	Primary Height:		THE STATE OF THE S	344
Bulkhead/ Seawall	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Heigh	t:		
Structure Summan					
This structure is a is weathered and o	stone wall fronting roadway School discolored but the grout between sto	Street on the east ones is intact. Then	side of Eel Pond. The is marsh at the i	The wall has an iron railing along the pase of the wall.	top. The stone
Condition	В		Dod Mar	IV	
Rating	Good		Priority Rating	High Priority	
Level of Action	Minor		Action	Consider for Next Project Const	ruction Listing
Description	Structure observed to exhibit very problems, superficial in nature. Mit to landform is present. Structure adequate to provide protection from coastal storm with no damage. Act to prevent / limit future deterioration life of structure.	nor erosion / landform m a major ctions taken	Description	High Value Inshore Structures w for Infrastructure Damage and/o Density Residential Dwellings (' impacted / 100 feet of shoreline)	r Moderate 1-10 dwellings
Structure Image 025-49A-001-055-1		cture Documen	ts:		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-49A-001-059-100

Property Owner:		Location:		Date:
Local		Woods Hole		8/7/2007
Presumed Structur	e Owner:	Based On Con	nment:	•
Local				
Owner Name:		Earliest Struct	ure Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown		\$7,590.00
	levation: FIRM Map		-	
50			12	
Feet Feet N	IAVD 88	Feet NG\	/D	A A A
Primary Type:	Primary Material:	Primary Height:		A
Bulkhead/ Seawall	Stone	5 to 10 Feet		
Secondary Type:	Secondary Material:	Secondary Height	•	
Bulkhead/ Seawall			_	
Structure Summary	<i>'</i> :			₹無数 以
Rating Level of Action Description	Good Minor Structure observed to exhit problems, superficial in nat to landform is present. Str adequate to provide protec coastal storm with no dama to prevent / limit future dete life of structure.	ure. Minor erosion ructure / landform tion from a major age. Actions taken	Rating Action Description	Moderate Priority Consider for Active Project Improvement Listing Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)
tructure Image 25-49A-001-059-1		Structure Documen	ts:	

Structure Assessment Form

Town: Falmouth

Structure ID: 025-49A-002-000I-100

Property Owner:		Location:		Date:
Local		Woods Hole		8/7/2007
Presumed Structur	e Owner:	Based On Co	mment:	
Local				
Owner Name:		Earliest Struc	ture Record:	Estimated Reconstruction/Repair Cost:
Falmouth		Unkown		\$70,587.00
	levation: FIRM Map Zone:	FIRM Map Eleva		
465	AE		12	
Feet Feet N	IAVD 88	Feet NG	VD	The state of the s
Primary Type:	Primary Material:	Primary Height:		
Bulkhead/ Seawall	•	5 to 10 Feet		Service of the latest and the latest
Secondary Type:	Secondary Material:	Secondary Heigh	nt:	
1	1	i		Clarific .
Structure Summary		ator Street There	is grout between th	ne stones in the wall and evidence of sheetpile along
toe. The stones a	re weathered but solid. The crest o	f the wall is level a	nd even.	ne stones in the wall and evidence of sneetpile along
ı				
Condition	В		Priority	111
Rating	Good		Rating	Moderate Priority
Level of Action	Minor Structure observed to exhibit very	minor	Action	Consider for Active Project Improvement Listing
Description	problems, superficial in nature. Mi	nor erosion	Description	Inshore Structures with potential for
	to landform is present. Structure adequate to provide protection fro		•	Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted /
	coastal storm with no damage. A	ctions taken		100 feet of shoreline)
	to prevent / limit future deterioration life of structure.	on and extend		
		0.00		
Structure Image		ıcture Documei	nts:	
025-49A-002-000I-	100-PHO1A.jpg			
		•		

Structure Assessment Form

Town: Falmouth

Structure ID: 025-49A-006-039-100

Local		Location:			Date:	
1		Stoney Beach	1			8/7/2007
Presumed Structur	e Owner:	Based On Co	mment:		#	
LUCAI						
Owner Name: Falmouth		Earliest Struc	ture Record:	ŗ	stimated Reconstru	\$172,640.00
260	Primary Material: Secondary Material:	Feet NG Primary Height: Under 5 Feet Secondary Heigh	13 VD			
tructure Summan					1 10	
This structure is the hearmor stone.	e 2 stone groins at Stoney Beach	n. Both groins are ver	y low profile. There	e is some weath	ering of stone and o	displacement of
Condition	С		Priority	1		
Rating	Fair		Rating	None		
evel of Action	Moderate		Action	Long Term F	Planning Considerat	ions
Description	Structure is sound but may ext deterioration, section loss, crac undermining, and/or scour. Struto withstand major coastal stormoderate damage. Actions take structure to provide full protecticoastal storm and for extending structure. Moderate wind or was landform exists. Landform may to fully protect shoreline during storm. Actions taken to provide	cking, spalling, ucture adequate m with little to en to reinforce ion from major g life of ave damage to not be sufficient a major coastal	Description	No Inshore S Units Preser	Structures or Reside nt	ential Dwelling
	material for full protection and	skended lile.				
	material for full protection and e	tructure Documer	nts:			
tructure Image 25-49A-006-039-1	material for full protection and e	tructure Documer		osed Stone	025-49A-006-03	9-100-COE1A

Structure Assessment Form

Town: Falmouth

Structure ID: 025-51A-001-019-100

Property Owner:		Location:		Date:	
Local		Woods Hole			8/7/2007
Presumed Structure	e Owner:	Based On Con	nment:	,	
Local	Company of the second of the s				
Owner Name:		Earliest Struct	ure Record:	Estimated Reconstruc	tion/Repair Cost:
Falmouth	11,70,000	Unkown			\$624,624.00
Length: Top E	levation: FIRM Map Zone:	FIRM Map Elevat	ion:		
520	VE		20		
Feet Feet N	AVD 88	Feet NG	/D		
Primary Type:	Primary Material:	Primary Height:			
Revetment	Stone	5 to 10 Feet			
Secondary Type:	Secondary Material:	Secondary Height	::		
7 175		, ioigin	<u></u>		
Structure Summary	, .	*			
		ne bike path at the	head of the Coast	Guard Harbor. The stone is slumped	and unraveled
with no clear crest	or side slopes. Some sections of th	e structure have sl	umped forward.		
Condition	D		Priority	II	
Rating	Poor		Rating	Low Priority	
Level of Action	Major		Action	Future Project Consideration	
Description	Structure exhibits advanced levels deterioration, section loss, crackin undermining, and/or scour. Struct strong risk of significant damage a failure during a major coastal storr should be monitored until repairs/reconstruction can be initia taken to reconstruct structure to recapacity to resist a major coastal standform eroded, stability threater Landform not adequate to provide during major coastal storm. Action recreate landform to adequate limi protection from a major coastal storm.	g, spalling, ure has and possible m. Structure ated. Actions egain full storm. ned. protection s taken to its for full	Description	Inshore Structures Present with potential for Significant Infrastruc	
Structure Image 025-51A-001-019-1		icture Documen	ts:		

Section II - Falmouth

Part C

Structure Photographs



TOWN: FALMOUTH
SOURCE: ACE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	Document No	Contract Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
025-013-011-062-100	025-013-011-062-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-013-011-062-200	025-013-011-062-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-013-011-062-200	025-013-011-062-200-PHO2B.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-013-011-062-300	025-013-011-062-300-PHO3A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condilion Photo at Time of Survey
025-013-016-252A-100	025-013-016-252A-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-013-021-000-100	025-013-021-000-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-013-021-000-200	025-013-021-000-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-014-017-001-100	025-014-017-001-100-PHO1A.Jpg		Bourne Consulting Engineering	_	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-014-017-001-100	025-014-017-001-100-PHO1B.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-014-017-001-200	025-014-017-001-200-PHO2A.Jpg		Bourne Consulting Engineering	_	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-024-007-005A-100	025-024-007-005A-100-PHO1A.Jpg		Bourne Consulting Engineering	-	October 2007.	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-024-007-005A-100	025-024-007-005A-100-PHO1B.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-024-007-012-100	025-024-007-012-100-PHO1A.Jpg		Boume Consulting Engineering	-	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-026-006-003-100	025-026-006-003-100-PHO1A.jpg		Boume Consulting Engineering	-	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-02A-011-001-100	025-02A-011-001-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-02A-011-001-200	025-02A-011-001-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-02A-011-001-200	025-02A-011-001-200-PHO2B.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-02A-011-001-300	025-02A-011-001-300-PHO3A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-041-004-000-100	025-041-004-000-100-PHO1A.jpg		Bourne Consulting Engineering	J	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-041-004-000-100	025-041-004-000-100-PHO1B.jpg		Bourne Consulting Englneering	J	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-045-001-000-100	025-045-001-000-100-PHO1A.jpg		Bourne Consulting Engineering	<u> </u>	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-045-001-000-200	025-045-001-000-200-PHO2A.jpg		Bourne Consulting Engineering	J	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey

TOWN: FALMOUTH
SOURCE: ACE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Tibe	Sheets	Location	Description
025-045-008-000-100	025-045-008-000-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-008-000-200	025-045-008-000-200-PHO2A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-009-000-100	025-045-009-000-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-009-000-100	025-045-009-000-100-PHO1B.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-009-000-200	025-045-009-000-200-PHO2A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-009-000-200	025-045-009-000-200-PHO2B.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-100	025-045-020-002-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-200	025-045-020-002-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-300	025-045-020-002-300-PHO3A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-400	025-045-020-002-400-PHO4A.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-500	025-045-020-002-500-PHO5A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-600	025-045-020-002-600-PHO6A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-020-002-600	025-045-020-002-600-PHO6B.jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-15B-000G-100	025-045-15B-000G-100 025-045-15B-000G-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-15B-000G-100	025-045-15B-000G-100 025-045-15B-000G-100-PHO1B.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-045-22A-000-100	025-045-22A-000-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-046-00Y-000-100	025-046-00Y-000-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-046-002-000-100	025-046-002-000-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-047-001-040-100	025-047-001-040-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Candition Photo at Time of Survey
025-047-001-040-200	025-047-001-040-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	۳	Structure Location	Structure Condition Photo at Time of Survey
025-047-007-000A-100	025-047-007-000A-100-PHO1A.jpg		Boume Consulting Engineering	<u> </u>	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-047-007-000A-100	025-047-007-000A-100 025-047-007-000A-100-PHO1B.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey

TOWN: FALMOUTH
SOURCE: ACE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	Document No	Contracti Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
025-047-007-000A-200	025-047-007-000A-200-PHO2A.jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-047-007-000A-300	025-047-007-000A-300-PHO3A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condillon Photo at Time of Survey
025-047-007-000E-100	025-047-007-000E-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-047-007-000E-200	025-047-007-000E-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-047-007-026-100	025-047-007-026-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-047-007-026-200	025-047-007-026-200-PHO2A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-048-002-014-100	025-048-002-014-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-005-000-100	025-04A-005-000-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-029-000-100	025-04A-029-000-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-041-000-100	025-04A-041-000-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-041-000-200	025-04A-041-000-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-041-000-200	025-04A-041-000-200-PHO2B.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-042-000-100	025-04A-042-000-100-PHO1A.Jpg		Bourne Consulting Engineering	Ü	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-042-000-200	025-04A-042-000-200-PHO2A.Jpg		Bourne Consulting Engineering	Ü	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-04A-043-000-100	025-04A-043-000-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-050-005-017A-100	025-050-005-017A-100-PHO1A.Jpg		Boume Consulting Engineering	Ü	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-050-005-017A-200	025-050-005-017A-200-PHO2A.Jpg		Bourne Consulting Engineering	Ü	October 2007	DIGITAL IMAGE	٧-	Structure Location	Structure Condition Photo at Time of Survey
025-050-007-018-100	025-050-007-018-100-PHO1A.Jpg		Bourne Consulting Engineering	J	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-050-007-020-100	025-050-007-020-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-050-007-021-100	025-050-007-021-100-PHO1A.jpg		Boume Consulting Engineering	J	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-051-002-049A-100	025-051-002-049A-100-PHO1A.jpg		Boume Consulting Engineering	J	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-051-002-049A-100	025-051-002-049A-100 025-051-002-049A-100-PHO1B.Jpg		Bourne Consulting Englneering	3	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey

TOWN: FALMOUTH
SOURCE: ACE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	oN traminoo	Contract	The fifty	Minicipality	ş	- 12.1	S. C. C.	-	
		Number		A Landson	850	93	Sileans	Lucanor	Londingson
025-051-002-050-100	025-051-002-050-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-051-002-050-100	025-051-002-050-100-PHO1B.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-051-002-050-100	025-051-002-050-100-PHO1C.jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-24A-011-005-100	025-24A-011-005-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-24A-011-005-100	025-24A-011-005-100-PHO1B.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-40A-001-003-100	025-40A-001-003-100-PHO1A.jpg		Bourne Consuiting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-40A-001-003A-100	025-40A-001-003A-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-40A-017-001-100	025-40A-017-001-100-PHO1A.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-40A-017-001-200	025-40A-017-001-200-PHO2A.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-40A-017-001-200	025-40A-017-001-200-PHO2B.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-40A-017-001-200	025-40A-017-001-200-PHO2C.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-001-012-100	025-46A-001-012-100-PHO1A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-001-012-200	025-46A-001-012-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-002-000-100	025-46A-002-000-100-PHO1A.jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-002-000-200	025-46A-002-000-200-PHO2A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-002-000-300	025-46A-002-000-300-PHO3A.Jpg		Bourne Consulting Engineering	-	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-002-000-400	025-46A-002-000-400-PHO4A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-002-000-500	025-46A-002-000-500-PHO5A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-002-000-600	025-46A-002-000-600-PHD6A.jpg		Bourne Consulting Engineering	J	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-02A-001-100	025-46A-02A-001-100-PHO1A.jpg	- ш	Bourne Consulting Engineering	J	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Candillon Phato at Time of Survey
025-46A-02A-001-200	025-46A-02A-001-200-PHO2A.jpg	Ш	Bourne Consulting Engineering	Ŭ	October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46A-02A-001-200	025-46A-02A-001-200-PHO2B.Jpg	- ш	Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey

TOWN: FALMOUTH
SOURCE: ACE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	Document No	Contract/ Drawing Number	Endty	Municipality	Date	Title	Sheets	Location	Description
025-46A-02A-001-300	025-46A-02A-001-300-PHO3A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-46B-002-000D-100	025-46B-002-000D-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	+-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-002-000D-200	025-46B-002-000D-200 025-46B-002-000D-200-PHO2A,pg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-003-001-100	025-46B-003-001-100-PHO1A.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-003-002-100	025-46B-003-002-100-PHO1A.jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Candillon Photo at Time of Survey
025-46B-003-002-100	025-46B-003-002-100-PHO1B.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-003-002-100	025-46B-003-002-100-PHO1C.lpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-009-000Q-100	025-46B-009-000Q-100-PHO1A.lpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-009-000Q-200	025-46B-009-000Q-200 025-46B-009-000Q-200-PHO2A.jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-46B-03A-000F-100	025-46B-03A-000F-100 025-46B-03A-000F-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
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025-49A-001-039-100	025-49A-001-039-100-PHO1A.Jpg		Boume Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
025-49A-001-039-100	025-49A-001-039-100-PHO1B.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	-	Structure Location	Structure Condition Photo at Time of Survey
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025-49A-001-059-100	025-49A-001-059-100-PHO1A.Jpg		Boume Consulting Engineering	,	October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey
025-49A-002-0001-100	025-49A-002-000I-100-PHO1A.Jpg		Bourne Consulting Engineering		October 2007	DIGITAL IMAGE	1	Structure Location	Structure Condition Photo at Time of Survey

SOURCE: ACE - FIELD PHOTOGRAPH LOCATION: Bourne Consulting Engin DATE OF RESEARCH: AUGUST 2007	SOURCE: ACE - FIELD PHOTOGRAPHS LOCATION: Bourne Consulting Engineering DATE OF RESEARCH: AUGUST 2007								
BCE Structure No	Document No	Contract/ Drawing Number	Contract/ Drawing Entity Number	Municipality	Date	Title	Sheets	Location	Description
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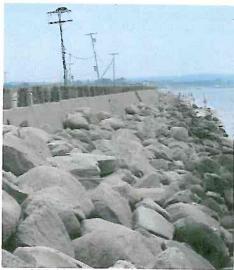




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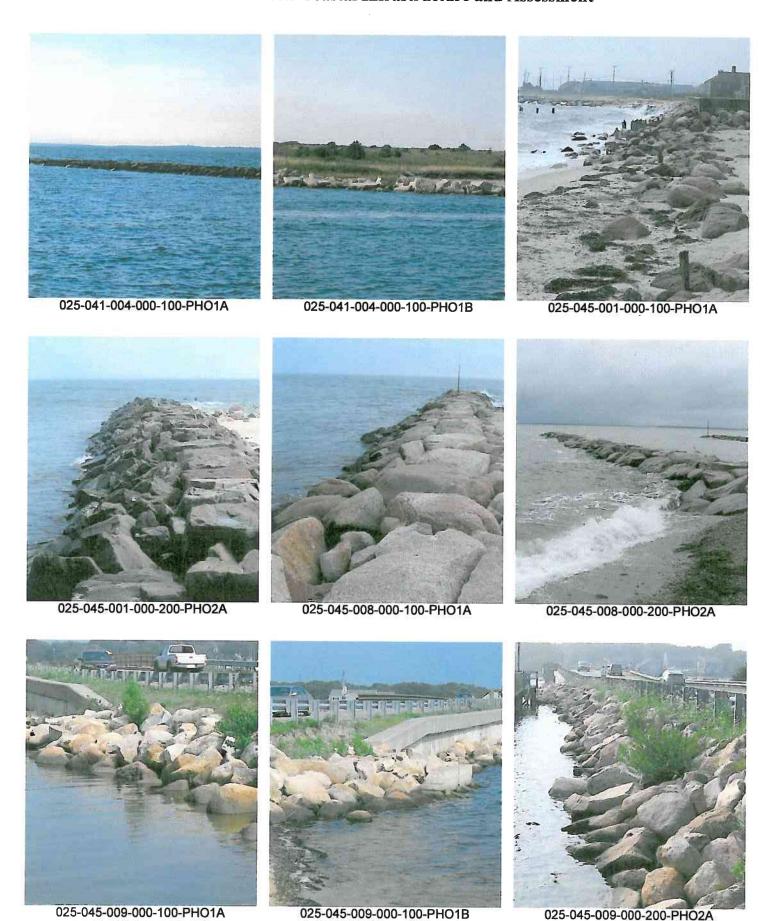
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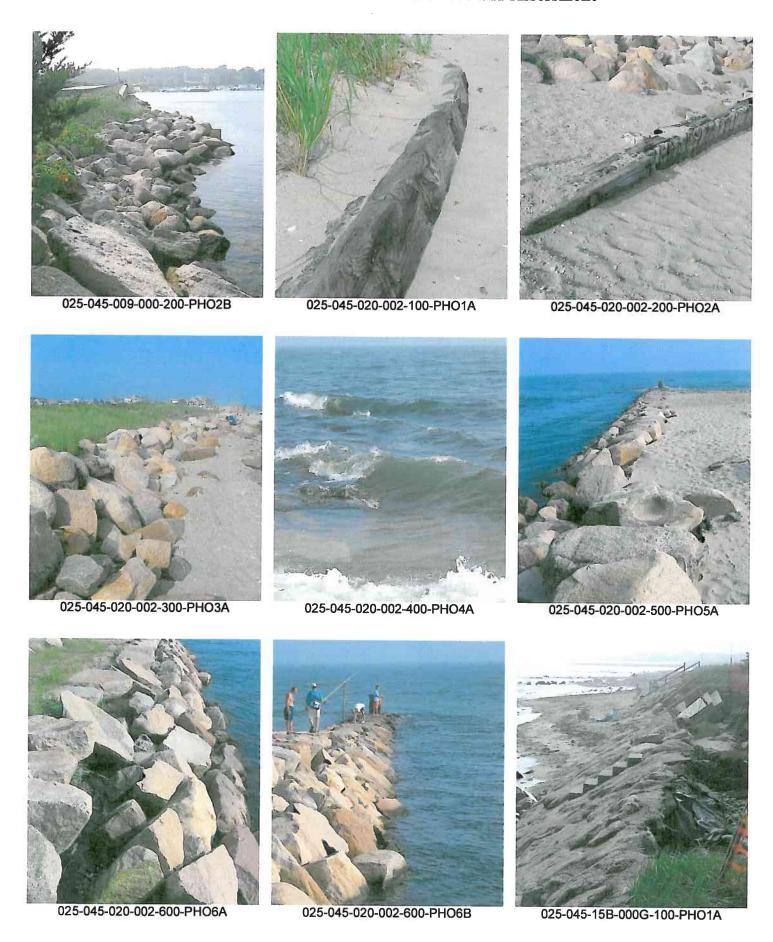


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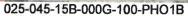


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025-046-00Y-000-100-PHO1A



025-046-00Z-000-100-PHO1A



025-047-001-040-100-PHO1A



025-047-001-040-200-PHO2A



025-047-007-000A-100-PHO1A



025-047-007-000A-100-PHO1B



025-047-007-000A-200-PHO2A



025-047-007-000A-300-PHO3A



025-047-007-000E-100-PHO1A



025-047-007-000E-200-PHO2A



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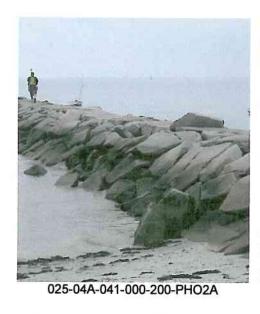
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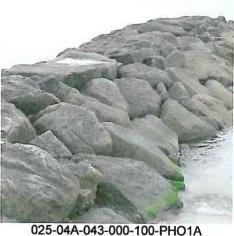






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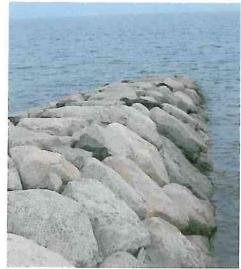




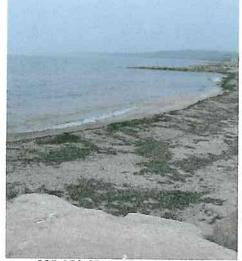
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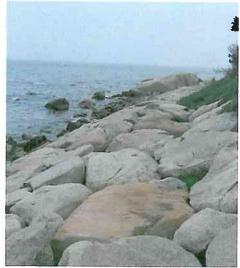
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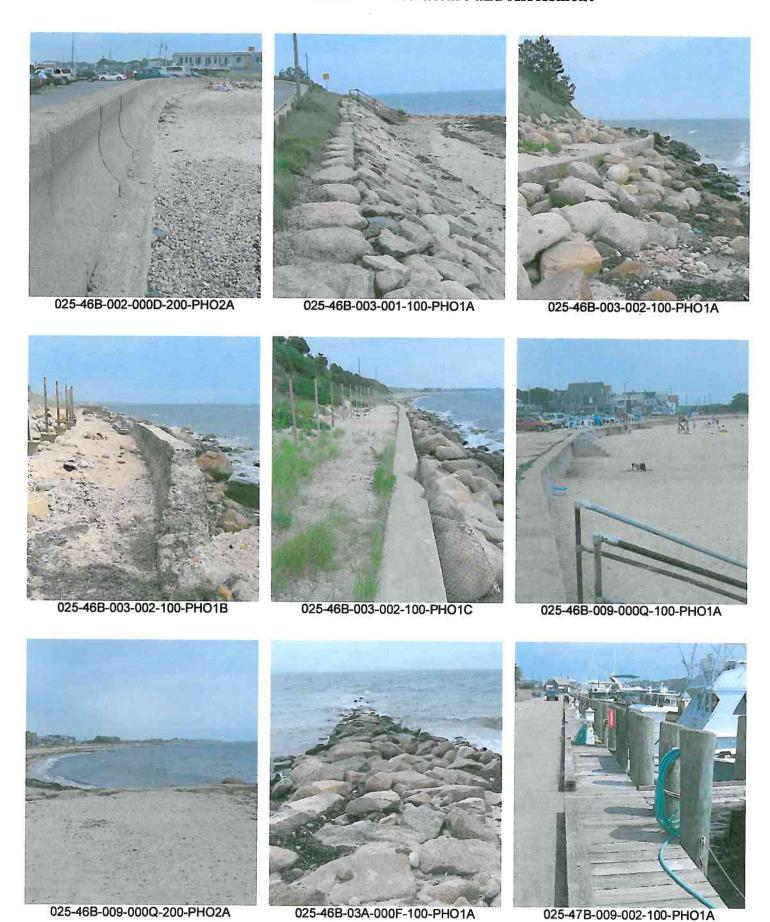
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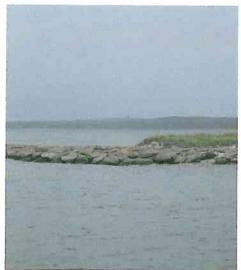
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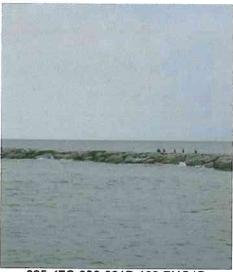
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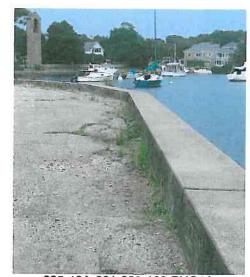
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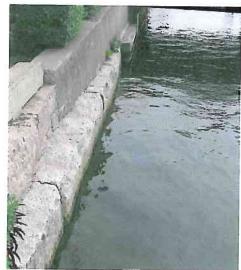


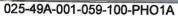
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Massachusetts Coastal Infrastructure and Assessment



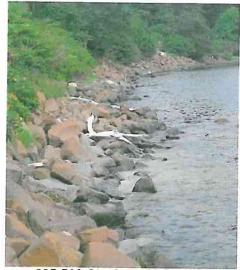




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025-51A-001-019-100-PHO1A

Section II - Falmouth

Part D

Structure Documents

TOWN DOCUMENT LIST

MA DCR - DOCUMENT LIST

MA DEP - Ch 91 DOCUMENT LIST

• Copies of License Documents

USACE - PERMIT DOCUMENT LIST

• Copies of Permit Documents



No Town Documents for the Town of Falmouth

TOWN: FALMOUTH
SOURCE: Town of Falmouth
LOCATION: TOWN
DATE OF RESEARCH: JULY 2007

	Contract					-		
Document No	Drawing	Entity	Municipality	Date	Title	Sheets	Location	Description
	Number							

LOCATION: MA-DCR BOSTON and HINGHAM, MA DATE OF RESEARCH: JULY 2007

SOURCE: MA-DCR

Beach Restoration, Groins and Riprap Construction Jetty Construction and Repairs Stone Jetty and Return Wall Stone Jetty and Return Wall Steel and Concrete Bulkhead Groins and Sand Fill Groins and Sand Fill Groins and Sand Fill Groins and Sand Fill Jetty Reconstruction Jetty Extension Breakwater Stone Jetty Breakwater Jethy Jethy Jethy Jetties Great Pond, Wild harbor, Salt Pond Herring River at Old Silver Beach Herring River at Old Silver Beach West Falmouth Harbor vlegansett Harbor Shore Road Vineyard Street Shore Road Shore Road County Road County Road Waquolt Bay Waquoit Bay Shore Road Waquolt Bay Location Waquolt Bay Green Pond Green Pond Shore Street Sheets 4 Waterways
Proposed Stone Breakwater - West Falmouth harbor Proposed Stone Breakwater - West Falmouth harbor Brainouth - Prepared to the DPW of Massachusetts Division of Waterways
Proposed Shore Protection - Megansett Harbor -Proposed Stone Jetty and Return Wall - Herring River at Old Silver Beach - Falmouth - Prepared to the DPW of Massachusetts - Division of Waterways Proposed Stone Jetty and Return Wall - Herring River at Old Silver Beach - Falmouth - Prepared to the DPW of Massachusetts - Division of Waterways Proposed Share Protection - Stone Groins and Sand Fill - Herring River - Old Silver Beach - Falmouth -Prepared fo the DPW of Massachusetts - Division of Division of Waterways Proposed Stone Jetty - Menauhant Shore Falmouth -Prepared for the DPW of Massachusetts - Division of Waterways
Proposed Chore Protection - Stone Groins and Sand
Fill - Hering River - Old Silver Beach - Falmouth Prepared to the DPW of Massachusetts - Division of Proposed Dredging and Jetty Construction - Megansett Harbor - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Proposed Repairs to Stone Jetty - Waquoil Bay-Falmouth and Mashpee - Prepared for the DPW of Massachuseths - Division of Wateways Proposed Stone Jetty - Waquoil Bay - Falmouth -Prepared for the DPW of Massachusetts - Division of Division of Waterways
Proposed Stone Jetties - Green Pond - Falmouth Prepared for the DPW of Massachusetts - Division of Division of Waterways Proposed Stone Jettles - Green Pond - Falmouth -Prepared for the DPW of Massachusetts - Division of Waterways Proposed Steel and Concrete Bulkhead - Shore Street Falmouth - Prepared for the DPW of Massachusetts Proposed Shore Protection - Stone Groins and Sand Fill - Herring River - Old Sliver Beach, Falmouth - Prepared fo the DPW of Massachusetts - Division of Proposed Harbor Protection - Jetty Connection and Repairs - Megansett harbor - Falmouh - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Reconstruction of Jetty at Waquoit Bay - Falmouth - Prepared for the DPW of Massachusetts -Waterways Proposed Stone Jetty Extension - Waquolt Bay -Falmouth - Prepared for the DPW of Massachusetts -FIII - Vicinity of Vineyard Street - Acapesket - Falmouth - Prepared for the DPW of Massachusetts losed Shore Protection - Stone Groins and Sand Division of Waterways
Proposed Hurricans Repairs - Falmouth - Prepared
for the DPW of Massachusetts - Division of
Waterways Title Division of Waterways December 1961 September 1936 August 1949 August 1936 October 1939 January 1955 August 1935 April 1935 April 1935 April 1958 October 1951 October 1951 April 1961 April 1961 April 1961 June 1937 May 1952 June 1936 May 1953 Date Municipality Falmouth MA-DCR MA-DCR MA-DCR MA-DCR Entity MA-DCR Contract/ Drawing Number 2291 1102 2291 435 435 2291 475 1230 1889 20 404 468 617 1323 1184 2349 1184 1464 478 025-013-011-062-200-DCR2A 025-013-021-000-100-DCR1A 025-013-011-062-300-DCR3A 025-014-017-001-100-DCR1A .025-02A-011-001-100-DCR1B 025-013-021-000-200-DCR2A 025-013-021-000-200-DCR2B 025-02A-011-001-100-DCR1A 025-02A-011-001-200-DCR2B 025-041-004-000-100-DCR1A 025-041-004-000-100-DCR1C 025-041-004-000-100-DCR1D 025-045-008-000-100-DCR1A 025-047-007-000A-100-DCR1A 025-02A-011-001-200-DCR2A 025-041-004-000-100-DCR1B 025-045-008-000-100-DCR1B 025-045-008-000-200-DCR2A 025-047-007-026-100-DCR1A Document No 025-013-011-062-200 025-013-011-062-300 025-013-021-000-100 025-013-021-000-200 025-013-021-000-200 025-014-017-001-100 025-02A-011-001-100 025-02A-011-001-100 025-02A-011-001-200 025-047-007-000A-100 025-02A-011-001-200 025-041-004-000-100 025-041-004-000-100 025-041-004-000-100 025-041-004-000-100 025-045-008-000-100 025-045-008-000-100 025-047-007-026-100 **BCE Structure No** 025-045-008-000-200

LOCATION: MA-DCR BOSTON and HINGHAM, MA DATE OF RESEARCH: JULY 2007

TOWN: FALMOUTH

Beach Restoration, Grolns and Riprap Construction Beach Restoration, Groins and Riprap Construction Stone Mound and Riprap Slope Slope Timber Bulkhead Timber Bulkhead Fimber Bulkhead **Bulkhead Repairs** Seawall and Jetty Seawall and Jetty Seawall and Jetty Mound and Riprap Riprap and Groins Riprap and Groins Description Stone Jethy Groins Jethy Great Pond, Wild Harbor and Sald Pond Great Pond, Wild Harbor, Salt Pond Great Pond, Wild Harbor and Salt Pond Great Pond, Wild Harbor, Salt Pond Great Pond, Wild Harbor, Salt Pond Menauhant Shore/Central Avenue Menauhant Shore/Central Avnue New Silver Beach Great Pond Outlet Great Pond Oulfet West Avenue West Avenue West Avenue Wild Harbor Nobska Point Vobska Point Wild Harbor Wild Harbor Wild Harbor -ocation Salt Point **Great Pond** Sheets 4 2 7 Waterways Proposed Timber Bulkhead - Wild Harbor - Falmouth -Prepared for the DPW of Massachusetts - Division of Waterways Proposed Timber Bulkhead - Wild Harbor - Falmouth -Prepared for the DPW of Massachusetts - Division of Proposed Shore Protection - Concrets Seawall and Stone Jetty - Wild Habor - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Waterways
Proposed Timber Bulkhead - Wild Harbor - Falmouth
September 1938 Prepared for the DPW of Massachusetts - Division of Proposed Shore Protection - Stone Mound and Riprap Stope - Nobska Point - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Stone Jetties - Falmouth Shore in Vicinity of Salt Point - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Shore Protection - Menauhant Shore -Falmouth - Prepared for the DPW of Massachusetts -Proposed Jetty Construction - New Silver Beach - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Materways
Proposed Shore Protection at Great Pond Outlet Falmouth ...represed for the DPW of Massachusetts -Proposed Harbor Improvaments - Buikhead Repairs Wild Harbor - Fainouth - Prepared for the DPW of Massachusetts - Division of Waletways Proposed Hurdrane Repairs - Fainouth - Prepared for the DPW of Massachusetts - Division of Proposed Shore Protection - Stone Mound and Riprap Division of Waterways Proposed Shore Protection - Menauhant Shore -Falmouth - Prepared for the DPW of Massachusetts -Division of Waterways Proposed Shore Protection at Great Pond Outlet -Falmouth - Prepared for the DPW of Massachusetts oposed Hurricane Repairs - Falmouth - Prepared the DPW of Massachusetts - Division of Waterways Proposed Hurricane Repairs - Falmouth - Prepared for the DPW of Massachusetts - Division of Proposed Shore Protection - Concrete Seawall and Stone Jetty - Wild harbor - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Shore Protection - Concrete Seawall and Stone Jetty - Wild Harbor - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Slope - Nobska Point - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Waterways Proposed Excavation and Stone Jetty - Great Pond -Falmouth Division of Waterways Proposed Hurricane Repairs - Falmouth - Prepared for the DPW of Massachusetts - Division of Division of Waterways
Proposed Hurricane Repairs - Falmouth - Prepared for the DPW of Massachusetts - Division of November 1937 December 1952 December 1947 January 1955 October 1940 December 1958 December 1958 December 1948 December 1948 January 1955 January 1955 October 1956 October 1956 October 1956 January 1955 January 1955 April 1969 March 1935 June 1946 June 1946 Date Municipality Falmouth MA-DCR Entity MA-DCR Contract/ Drawing Number 1464 519 2662 1670 969 1464 1464 1670 1299 517 1670 1020 1997 1997 1078 1078 903 1464 464 430 903 025-047-007-026-200-DCR2A 025-04A-005-000-100-DCR1A 025-04A-005-000-100-DCR1B 025-04A-005-000-100-DCR1C 025-04A-005-000-100-DCR1D 025-04A-041-000-100-DCR1A 025-04A-041-000-200-DCR2A 025-04A-041-000-200-DCR2B 025-04A-042-000-100-DCR1A 025-04A-043-000-100-DCR1A 025-04A-043-000-100-DCR1B 025-051-002-049A-100-DCR1A 025-40A-001-003A-100-DCR1A 025-050-007-020-100-DCR1A 025-051-002-050-100-DCR1A 025-40A-017-001-100-DCR1A 025-46A-001-012-100-DCR1B 025-46A-02A-001-200-DCR2A 025-46A-001-012-100-DCR1A 025-46A-001-012-200-DCR2A 025-46A-001-012-200-DCR2B Document No 025-04A-005-000-100 025-04A-005-000-100 025-047-007-026-200 025-04A-005-000-100 025-04A-005-000-100 025-04A-041-000-100 025-04A-041-000-200 025-04A-041-000-200 025-04A-042-000-100 025-04A-043-000-100 025-04A-043-000-100 025-050-007-020-100 025-051-002-049A-100 025-40A-001-003A-100 BCE Structure No 025-051-002-050-100 025-40A-017-001-100 025-46A-02A-001-200 025-46A-001-012-100 025-46A-001-012-200 025-46A-001-012-100 025-46A-001-012-200

LOCATION: MA-DCR BOSTON and HINGHAM, MA

TOWN: FALMOUTH

SOURCE: MA-DCR

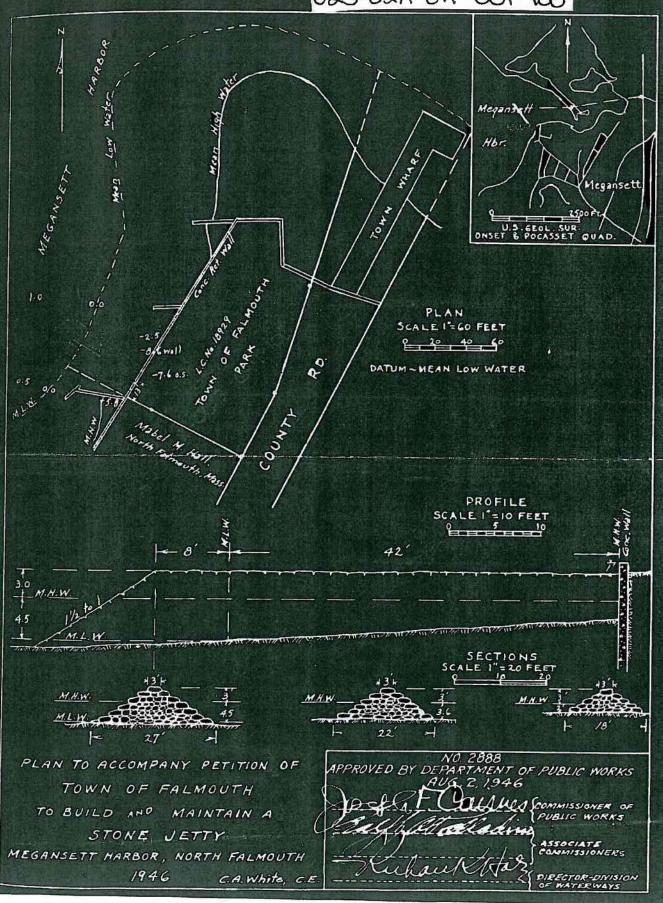
DATE OF RESEARCH: JULY 2007

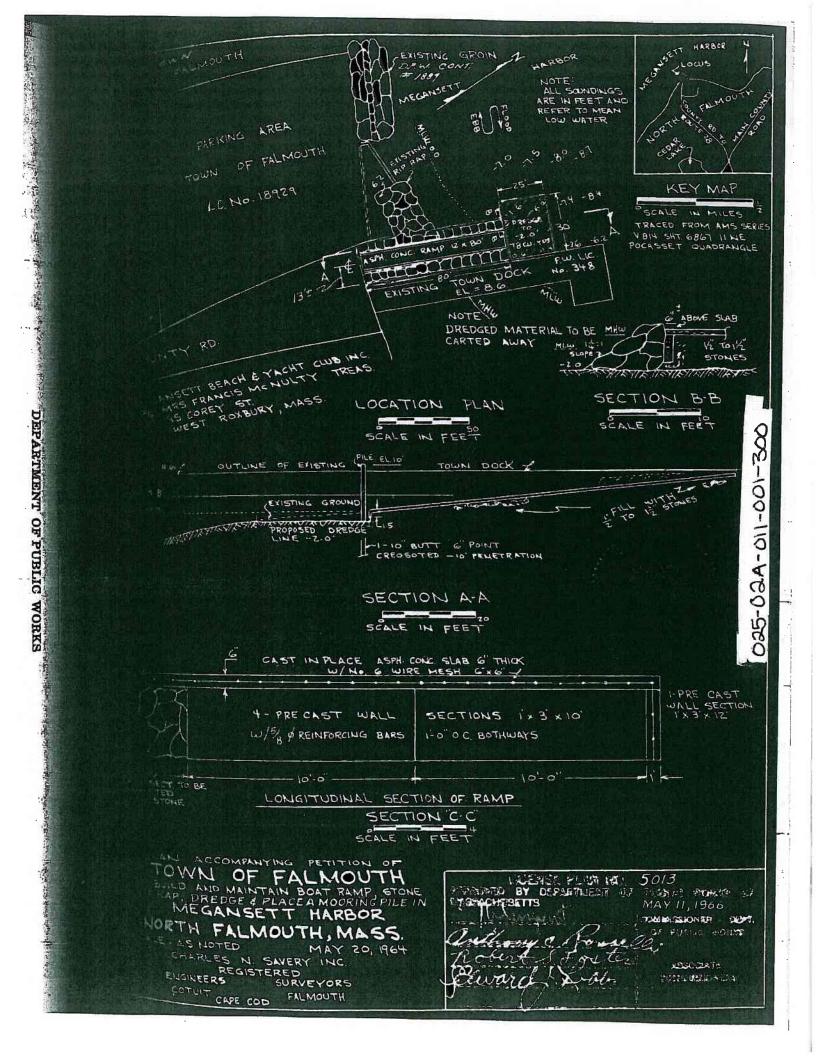
Beach Restoration, Groins and Riprap Construction Beach Restoration, Grolns and Riprap Construction Stone Groin and Fill Riprap and Groins Riprap and Groins Imber Bulkhead Timber Bulkhead Description Stone Jetty Bulkhead Grains Jethy Grain Jethy Jeff Jeffy Central Park Avenue to Worcester Avenue Great Pond, Wild Harbor and Salt Pond Great Pond, Wild Harbor and Salt Pond Scranton Avenue and Clinton Avenue Clinton Avenue and Scranton Avenue Scranton Avenue and Clinton Avenue Grand Avenue and Gertrude Streel Robins Road and Scranton Avenue Vernon Avenue to Gertrude Street Falmouth Inner Harbor Faimouth Inner Harbor Great Pond Outlet Scranton Avenue Maravista Shore Gosnold Street Great Pond Great Pond -8 8 8 ന Proposed Harbor Development - Timber Buikhead,
Plers, Boat Ramp and Excavation - Davis Marine Park
Hers, Boat Ramp and Excavation - Davis Marine Park
Massachusetts - Division of Waterwage
Proposed Repairs to Stone Jotly - Falmouth Inner
Harbor - Falmouth - Prepared for the DPW of Division of Walenways
Proposed Shore Protection at Great Pond Outletalmounts - Propened for the DPW of Massachusetts Division of Watenways
Proposed Hurricane Repairs - Falmouth - Prepared
for the DPW of Massachusetts - Division of Massachuseits - Division of Waterways
Proposed Repairs to Stone Jetty - Falmouth Inner
Hartoo - Falmouth - Prepared for the DPW of
Massachuseits - Division of Waterways
Proposed Beach Improvements - Stone Groin and
Sand Fill - Woods Hole Beach - Falmouth - Prepared
for the DPW of Massachuseits - Division of
Waterways Falmouth Heights Proposed Stone Jetty - Falmouth Heights - Falmouth -Prepared for the DPW of Massachusetts - Division of Proposed Beach Development - Stone Groins and Sand Fill - Maravista Shore - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Shore Protection at Great Pond Outlet -Falmouth - Prepared for the DPW of Massachusetts -Waterways
Proposed Excavation and Stone Jetty - Great Pond
Falmouth - Prepared for the DPW of Massachusetts . Proposed Shore Protection - Falmouth Heights -Falmouth - Prepared for the DPW of Massachusetts -Division of Waterways Proposed Timber Bulkhead and Finger Piers at Falmouth Inner Harbor - Falmouth - Prapared for the DPW of Massachusetts - Division of Waterways Proposed Reconstruction of Westerly Jetty - Falmoulth Inner Harbor - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Riprap East of Falmouth Inner Harbor -Falmouth - Prepared for the DPW of Massachusetts -Proposed Timber Bulkhead - Falmouth Inner Harbor - Falmouth - Prepared for the DPW of Massachusetts - Division of Waterways Division of Waterways Proposed Hurricane Repairs - Falmouth - Prepared for the DPW of Massachusetts - Division of /aterways roposed Shore Protection - Stone Revetment -November 1970 November 1957 January 1955 January 1955 October 1939 March 1935 January 1957 January 1939 June 1946 June 1946 May 1955 August 1935 August 1935 March 1955 June 1937 April 1955 1952 Date July Municipality Falmouth MA-DCR 903 1464 2699 430 903 1464 1480 1726 1826 50 62 1481 443 580 1259 443 1474 025-46B-009-000Q-200 025-46B-009-000Q-200-DCR2B 025-46B-009-000Q-200-DCR2C 025-46A-02A-001-200-DCR2B 025-46A-02A-001-200-DCR2C 025-46A-02A-001-300-DCR3B 025-46A-02A-001-300-DCR3C 025-46B-003-002-100-DCR1A 025-46B-009-000Q-200 | 025-46B-009-000Q-200-DCR2A 025-47C-008-001B-100-DCR1B 025-47C-008-001B-100-DCR1C 025-46A-02A-001-300-DCR3A 025-47B-009-002-100-DCR1B 025-47C-008-001B-100-DCR1A 025-47B-009-002-100-DCR1A 025-47C-008-001B-200-DCR2A 025-49A-006-039-100-DCR1A 025-47B-009-007-100-DCR1A Document No 025-47C-008-001B-100 025-46A-02A-001-200 025-46A-02A-001-200 025-46A-02A-001-300 025-46A-02A-001-300 025-46A-02A-001-300 025-46B-003-002-100 025-46B-009-000Q-200 025-47B-009-002-100 025-47B-009-002-100 025-47C-008-001B-100 025-47C-008-001B-100 025-47C-008-001B-200 025-47B-009-007-100 025-49A-006-039-100 BCE Structure No

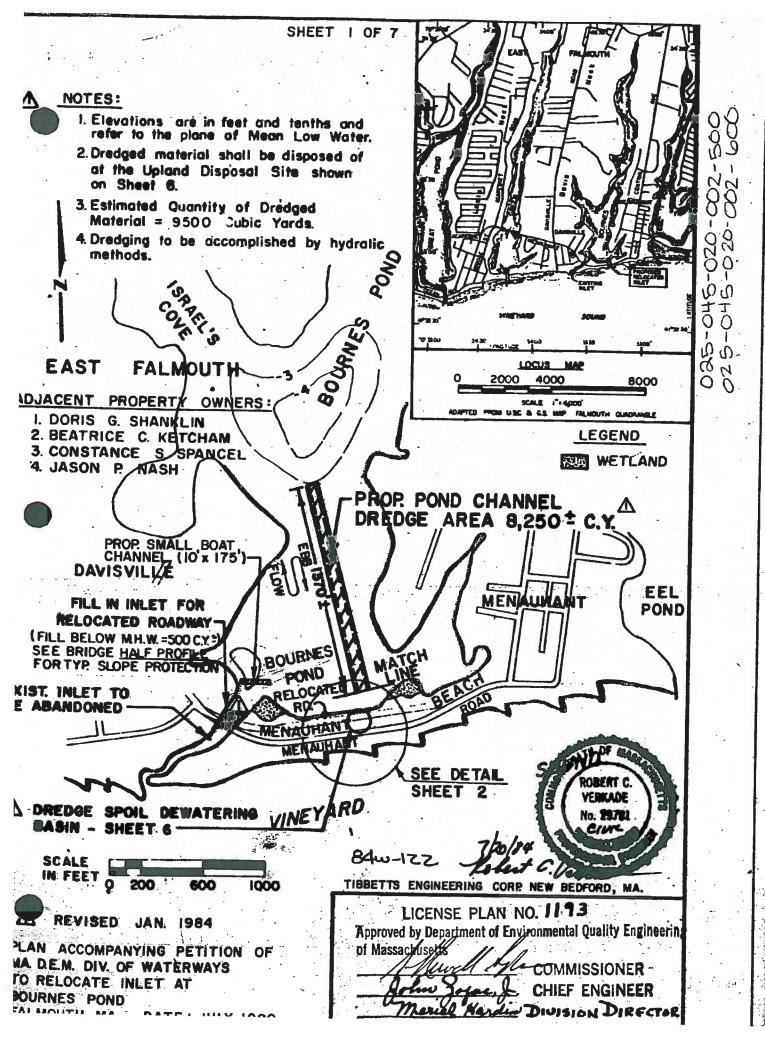
TOWN: FALMOUTH SOURCE: DEP LOGATION: BOSTON, MA DATE OF RESEARCH: JULY 2007

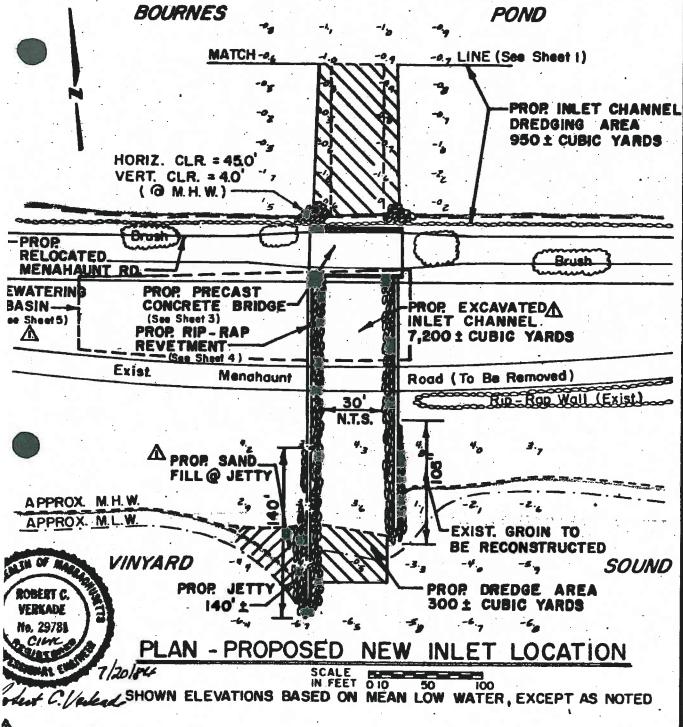
BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	ТИВ	Sheets	Location	Description
025-02A-011-001-100	025-02A-011-001-100-LIC1A	2888	DEP	Falmouth	August 2, 1946	Plan To Accompany Petition of Town of Falmouth to Build and Maintain a Stone Jetty	-	Megansett Harbor	Jetty
025-044-041-000-200	025-02A-011-001-300-LIC3A	5013	O.E.P	Falmouth	May 11, 1966	Plan Accompanying Petition of Town of Falmouth to build and Maintain Boat Ramp Stone Riprap	-	Megansett Harbor	Riprap
025-045-020-002-500	025-045-020-002-500-LIC5A	1193	DEP	Falmouth	February 5, 1985	Plan Accompanying Petition of MA. D.E.M. DIV. Of Waterways To Relocate Inlet at Bournes Pond	7	Bournes Pond	Riprap
025-045-020-002-600	025-045-020-002-600-LIC6A	1193	DEP	Falmouth	February 5, 1985	Plan Accompanying Petition of the MA D.E.M. Division of Waterways to Relocate Inlet at Bournes Pond, Falmouth, MA	2	Bournes Pond	Inlet with Stone Jettles
025-047-007-026-100	025-047-007-026-100-LIC1A	2682	OEP	Falmouth	August 1944	Plan to Accompany Petition of the Town of Falmouth to Open New Outlet to Sait Pond and Build Culvert and Place Riprap, Vineyard Sound, Falmouth, MA	-	Salt Pond	Outlet with Riprap
025-047-007-026-200	025-047-007-026-200-LIC2A	2682	DEP	Falmouth	August 1944	Plan to Accompany Petition of the Town of Falmouth to Open New Outlet to Salt Pond and Build Culver and Place Riprap, Vineyard Sound, Falmouth, MA	1	Salt Pond	Outlet with Riprap
025-048-002-014-100	025-048-002-014-100-LIC1A	2826	OEP	Falmouth	December 1945		-	Quissett Harbor	Bulkhead
025-048-002-014-100	025-048-002-014-100-LIC1B	2141	DEP	Falmouth	January 1990	Plan Accompanying Petition of Waterways Committee, Town of Falmouth to Reconstruct and Mainfain Pile Supported Buikhead on Parcel 14 in Quissett Harbor, Falmouth, Barnslable County, Mass.	2	Quissett Harbor	Bulkhead
025-050-005-017A-100	025-050-005-017A-100-LIC1A	8086	DEP	Falmouth	October 2003	Plan Accompanying Petition of Town of Falmouth, Mass. DPW For the Dredging of Trunk River and the Reconstruction and Maintaining Stone Groins in Vineyard Sound	2	Oyster Pond Outlet	Riprap
025-050-005-017A-200	025-050-005-017A-200-LIC2A	8086	DEP	Falmouth	October 2003	Plan Accompanying Pelition of Town of Falmouth, Mass. DPW For the Dredging of Trunk River and Reconstruction and Maintaining Stone Groins in Vineyard Sound	2	Oyster Pond Outlet	Stone Groins
025-24A-011-005-100	Ú25-24A-011-005-100-LIC1A	3780	DEP	Falmouth	September 1955	Plan to Accompany Petition of the Town of Falmouth to Build a Pile and Timber Pler in West Falmouth Harbor, Falmouth, MA	-	Nonamessett Street	Stone Wall
025-46A-002-000-100	025-46A-002-000-100-LIC1A	4342	DEP	Falmouth	January 1993	Plan to Accompany Petition of the Town of Falmouth to Repair and Construct Jettles Riprap and Culvert at Little Pond Outlet, Falmouth, Barnsatable County, MA	9	Little Pond	Riprap
025-46A-002-000-200	025-46A-002-000-200-LIC2A	4342	DEP	Falmouth	January 1993	Plan to Accompany Petition of the Town of Falmouth to Repair and Construct Jettles Riprap and Culvert at Little Pond Outlet, Falmouth, Barnsatable County, MA	9	Little Pond Outlet	Riprap
025-46A-002-000-300	025-46A-002-000-300-LIC3A	4342	DEP	Falmouth	January 1993	Plan to Accompany Petition of the Town of Falmouth to Repair and Construct Jettles Riprap and Culvert at Little Pond Outlet, Falmouth, Barnsatable County, MA	9	Little Pond Outlet	Riprap
025-46A-002-000-400	025-46A-002-000-400-LIC4A	4342	G.	Falmouth	January 1993	Plan to Accompany Petition of the Town of Falmouth to Repair and Construct Jettles Riprap and Culvert at Little Pond Outlet, Falmouth, Barnsetable County, MA	9	Little Pond Outlet	Riprap
025-46B-002-000D-100	025-46B-002-000D-100-LIC1A	1884	- GE	Falmouth	February 3, 1989	Plan Accompanying Petition of Walerways Committee, Town of Falmouthio Reconstruct and Maintain Pile Supported Bulkhead no Parcel D in Falmouth Inner Harbor, Falmouth, Barnstable County, MA	2	Clinton Avenue	Bulkhead
025-47B-009-002-100	025-47B-009-002-100-LIC1A	1885	DEP	Falmouth	February 3, 1989 (Plan Accompanying Pelition of Waterways Committee, Town of Falmouth to Reconstruct and Maintain Pile Supported Bulkhead On Lot and Parcel 1 in Falmouth Inner Harbor	8	Falmouth Inner Harbor	Bulkhead
025-47B-009-002-100	025-47B-009-002-100-LIC1B	5563	DEP	Falmouth	April 1996	Plan Accompanying the Petition of the Town of Falmouth to Construct a Boat Ramp and Maintain Existing Bulkhead at Falmouth, MA	ເດ	Scranton Avenue	Existing Bulkhead
025-47B-009-002-200	025-47B-009-002-200-LIC2A	88	EP.	Falmouth	March 24, 1976	Plan Accompanying Petition of Town of Falmouth to Dredge and Construct Bulkhead and Ramp	2	Falmouth Inner Harbor	Bulkhead
025-478-009-002-200	025-47B-009-002-200-LIC2B	6063	OEP	Falmouth	6063	Plan To Accompany Petition of Town of Falmouth To Build Concrete Bulkhead, Maintain Existing Pier, Float, Mooring Piles, Dredge And Fill in Falmouth Inner Harbor, Falmouth, MA	-	Falmouth Inner Harbor	Concrete Buikhead
025-478-009-002-200	025-47B-009-002-200-LIC2C	5563	OEP	Falmouth	April 1996	Plan Accompanying the Petition of the Town of Falmouth to Construct a Boat Ramp and Maintain Existing Buikhead at Falmouth, MA	٦	Scranton Avenue	Existing Bulkhead
025-47B-009-007-100	025-47B-009-007-100-LIC1A	1886		Falmouth	February 3, 1989	Plan Accompanying Petition of Waterways Committee, Town of Falmouth to Reconstruct and Maintain Pile Supported Bulkheed and Replace piles on Lots 1C and 4 in Falmouth Inner Harbor, Falmouth, Barnstable County, Mass	Ţ.	Falmouth Inner Harbor	Bulkhead
025-47B-009-007-100	025-47B-009-007-100-LIC1B	2360	DEP	Falmouth	January 1980 B	Plan Accompanying Petition of the Waterways Committee, Town of Famouth to Construct and Maintein File Supported Buikheed and Abandon Existing Beat Ram on Lot 1C in Falmouth Inner Harbor, Falmouth, Barnstable, MA	0	Falmouth Inner Harbor	Timber Buikhead

025-02A-011-001-100









MATERIALS BELOW M. H. W.

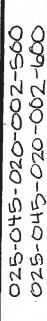
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BEDDING STONE - 200 C.Y. 2
RMOR STONE - 1,500 C.Y. 2
AND FILL - 300 C.Y. 2

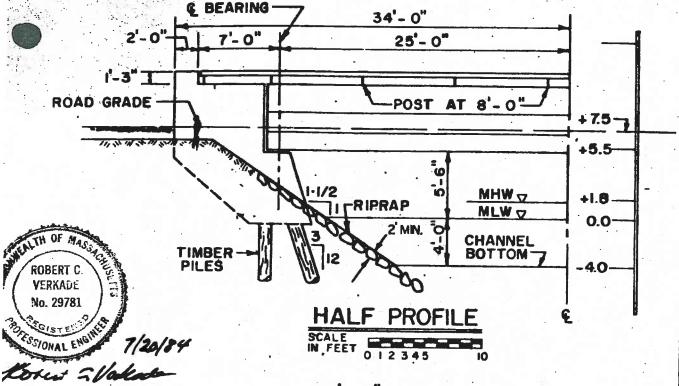
LICENSE PLAN NO.1193

Approved by Department of Environmental Quality Engineering
FEBRUARY 5, 1985

LAN ACCOMPANYING PETITION OF SA. D.E.M. DIV. OF WATERWAYS ATE: JULY 1980

84W-12Z





32' - 0"

5'-8" | 12'-0" | 12'-4"

12" | SIDEWALK | BITUMINOUS CONCRETE WEARING | SURFACE - 1/8"/1 SLOPE | SURFACE - 1/8"

-8 - (HS 20 - 44 AASHO - PCI PRESTRESSED CONCRETE DECK BEAMS 21" - 48")
PICAL DECK CROSS - SECTION

1'-6" 2'-0" 2'-0" BRG.

SCALE IN FEET 0 12 3 4 5

LICENSE PLAN NO. 1193

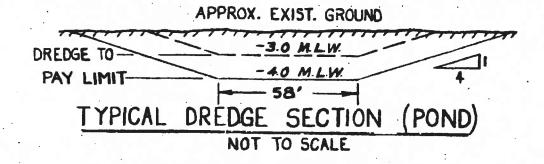
Approved by Department of Environmental Quality Engineering
FEBRUARY 5 1986

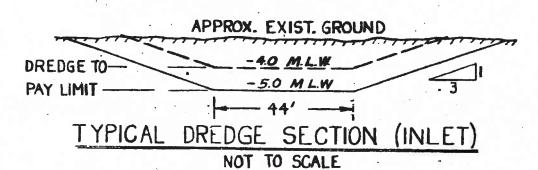
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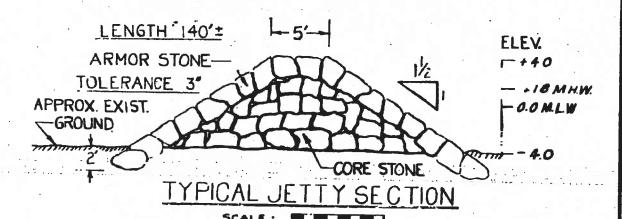
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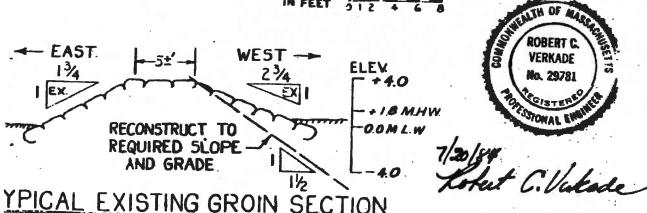
PLAN ACCOMPANYING PETITION OF MA. D.E.M. DIV. OF WATERWAYS DATE: JULY 1980

84w-122









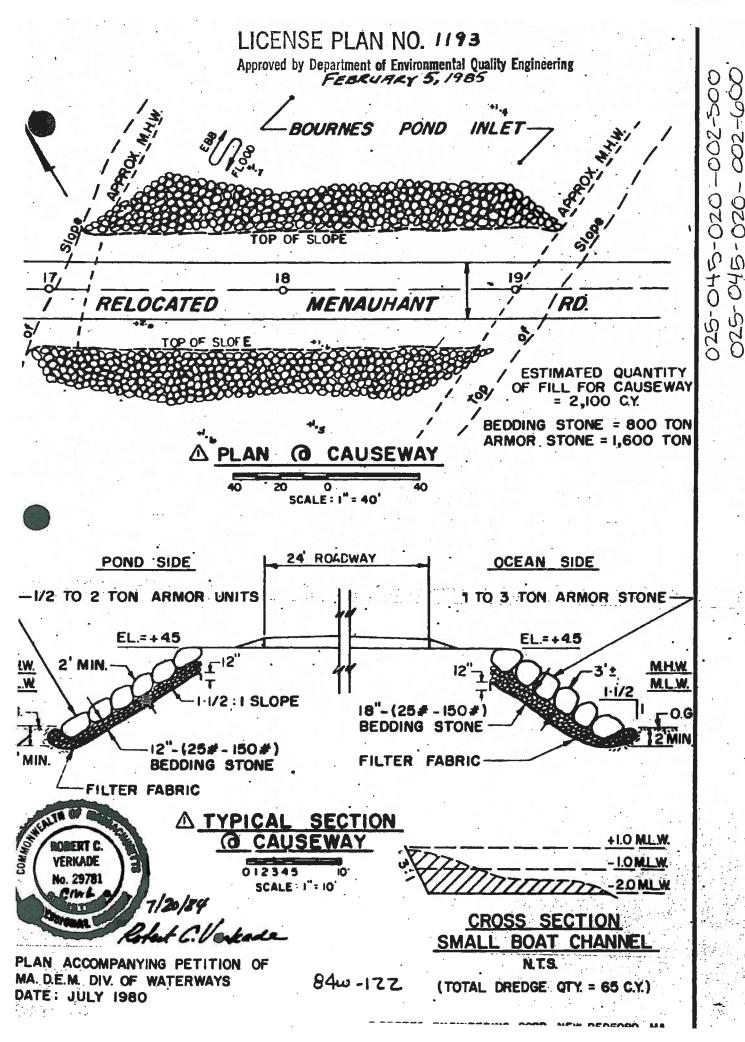
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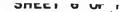
SCALE: HELT OIZ 4 6 8

LICENSE PLAN NO. 1193

Approved by Department of Environmental Quality Engineerin FEBRUARY 5, 1985

PLAN ACCOMPANYING PETITION OF 840-122 MA. D.E.M. DIV. OF WATERWAYS PATE : JULY 1980

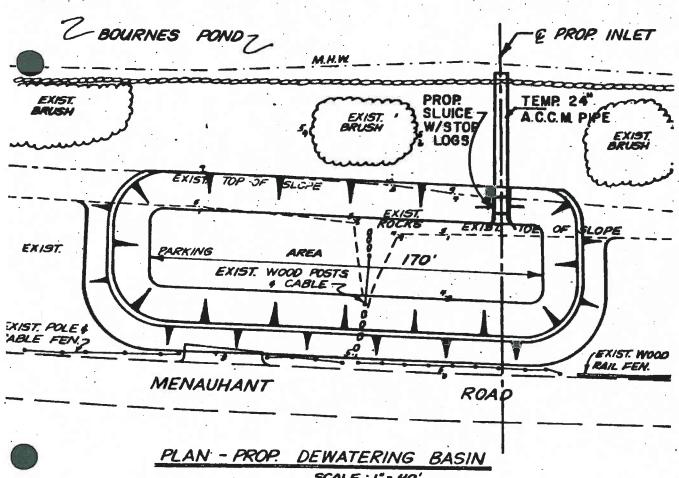




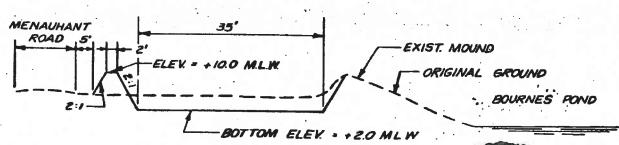
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025



SCALE · 1" = 40'



TYPICAL SECTION

CAPACITY OF DEWATERING BASIN

DREDGE SPOIL = 800 2 C.Y. @ 3' DEPTH (+2.0 TO +5.0)
WATER = 230,000 GAL. @ 3' DEPTH (+5.0 TO +8.0
APPROX.)



LICENSE PLAN NO. 1193

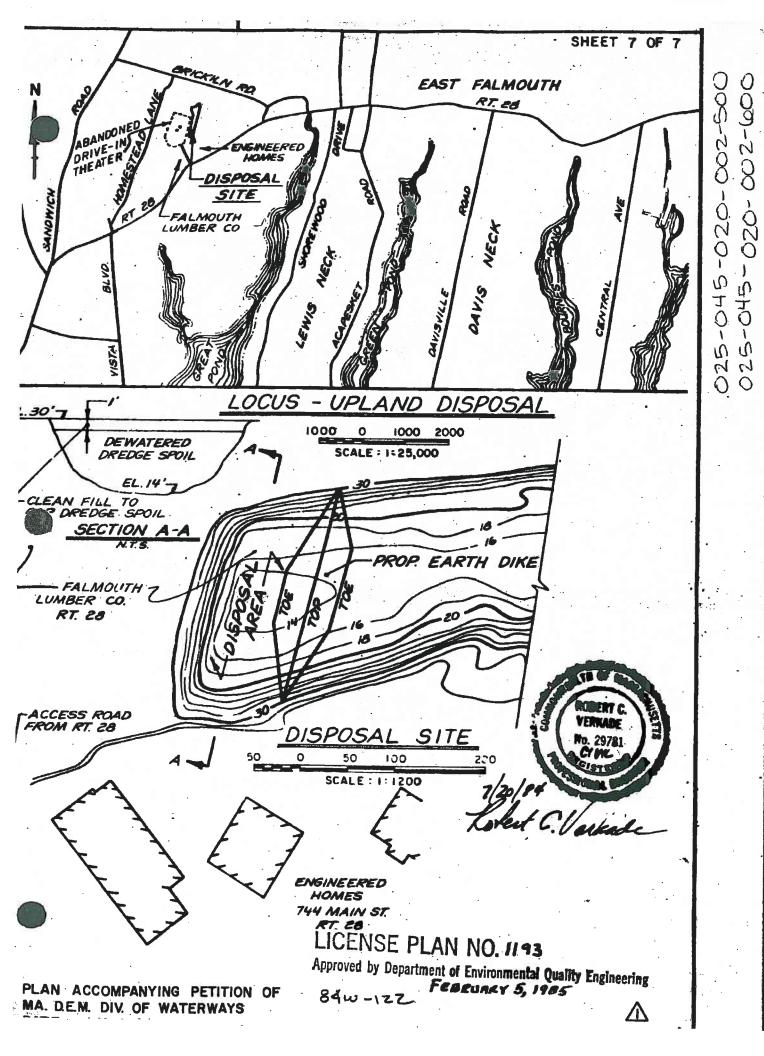
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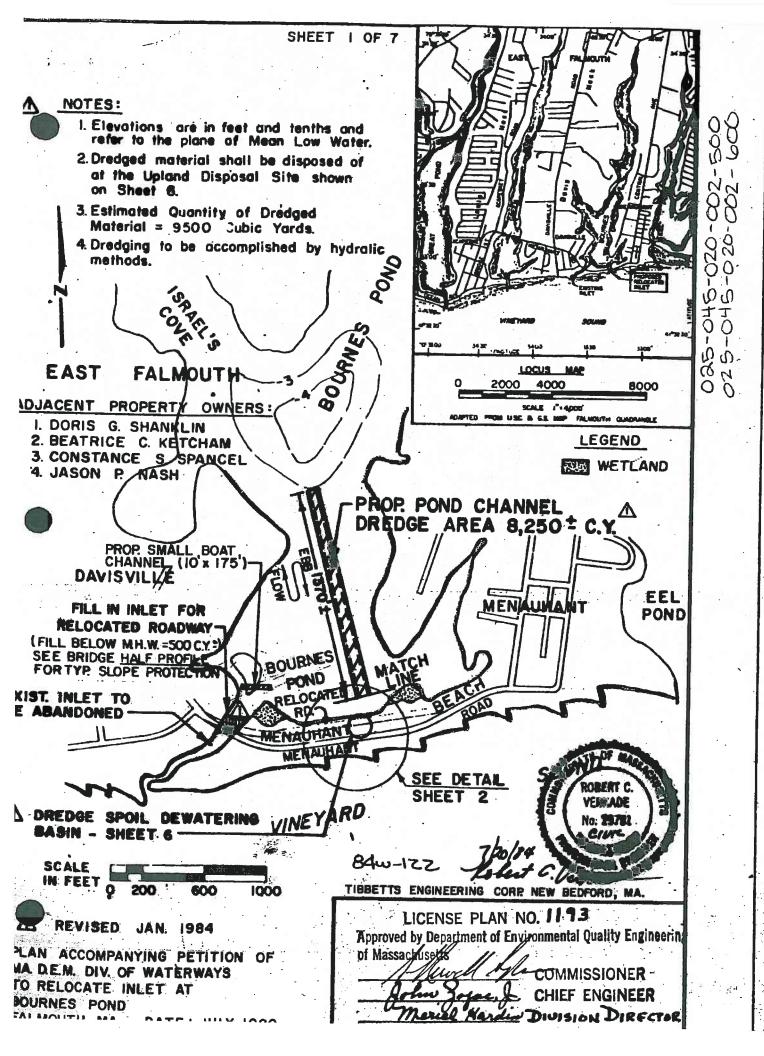
FEBRUARY 5,1985

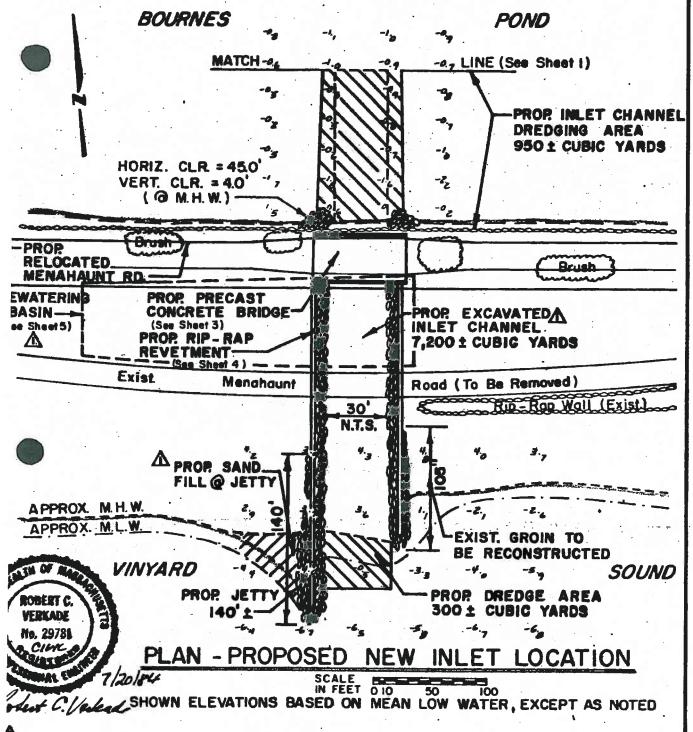
84W-12E

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PLAN ACCOMPANY PETITION OF MA. D.E.M. DIV. OF WATERWAYS DATE: JULY 1980







MATERIALS BELOW M.H.W.

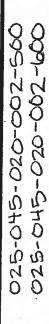
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BEDDING STONE - 200 C.Y. 2
RMOR STONE - 1,500 C.Y. 2
AND FILL - 300 C.Y. 2

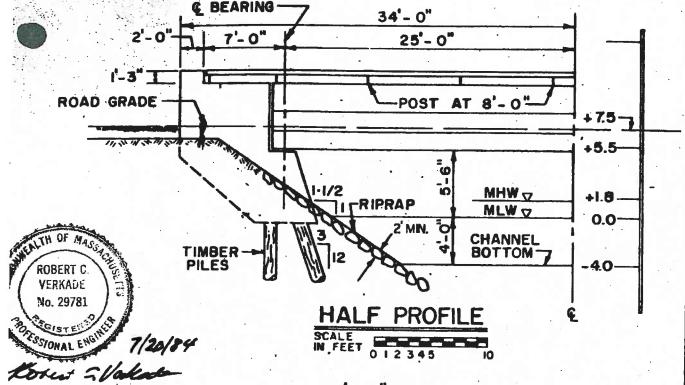
LICENSE PLAN NO.1193

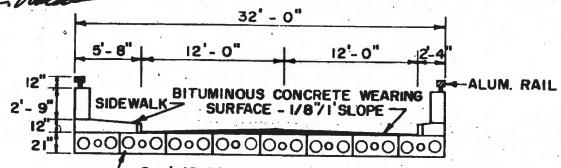
Approved by Department of Environmental Quality Engineering
FEBRUARY 5, 1985

LAN ACCOMPANYING PETITION OF IA. D.E.M. DIV. OF WATERWAYS

84W-12Z

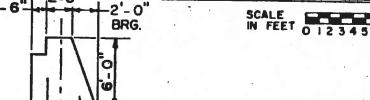






6 - (HS 20 - 44 AASHO - PCI PRESTRESSED CONCRETE DECK BEAMS 21" - 48")

TYPICAL DECK CROSS-SECTION



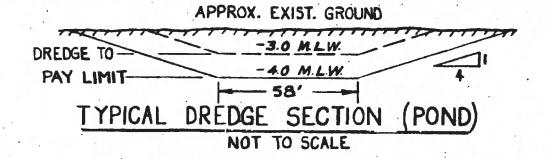
LICENSE PLAN NO. 1193

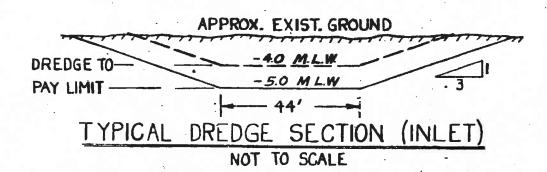
Approved by Department of Environmental Quality Engineering
FEBRUARY 5 1986

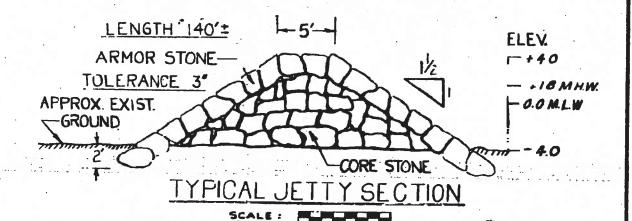
TION THROUGH ABUTMENT

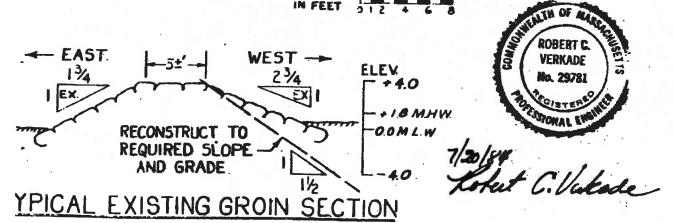
IN FEET 0.1 2.3.4 5 10

PLAN ACCOMPANYING PETITION OF MA. D.E.M. DIV. OF WATERWAYS DATE: JULY 1980 84w-122







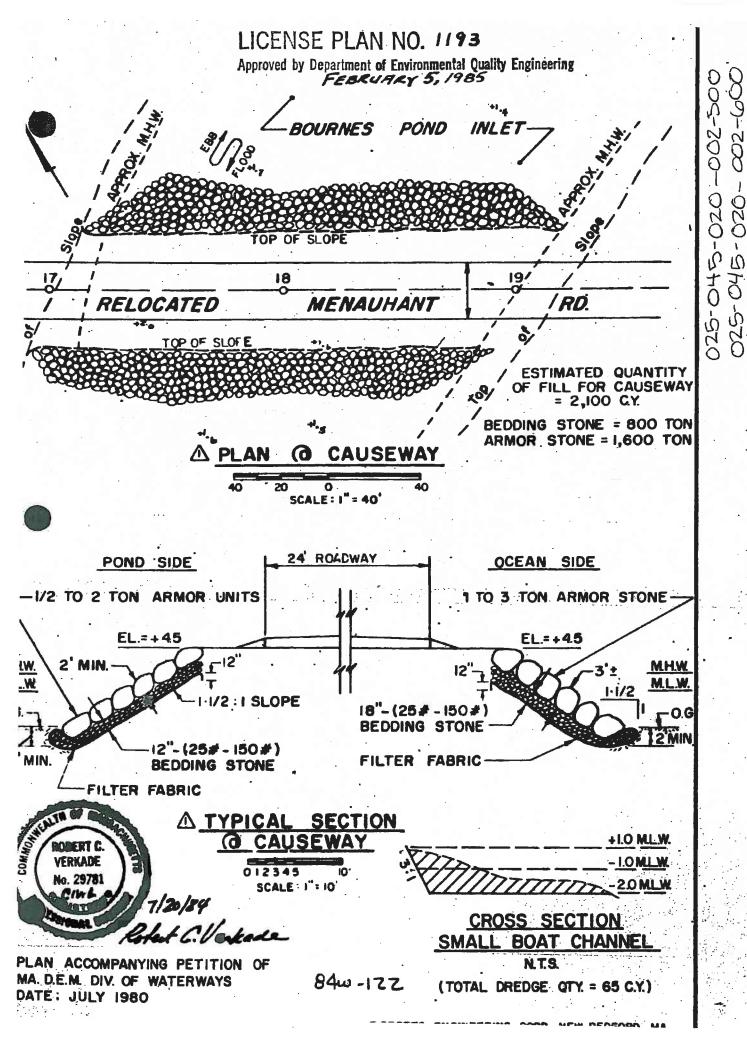


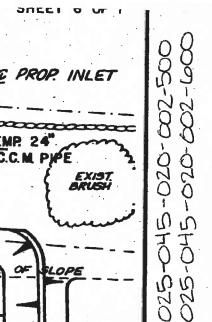
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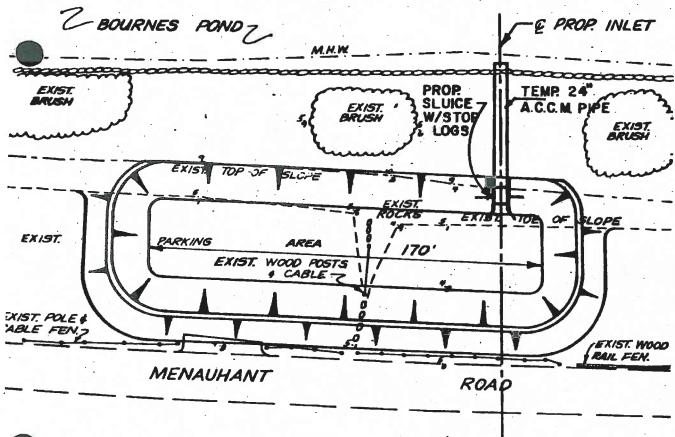
LICENSE PLAN NO. 1193

Approved by Department of Environmental Quality Engineerin
FERSARY 5, 1985

PLAN ACCOMPANYING PETITION OF 840-122
MA. D.E.M. DIV. OF WATERWAYS
PATE: JULY 1980

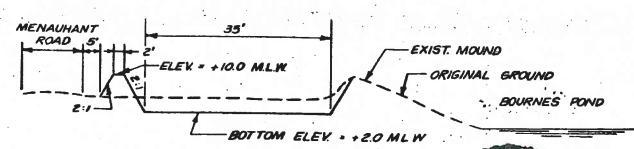








SCALE . 1" - 40 40 FT.



TYPICAL SECTION

CAPACITY OF DEWATERING BASIN

DREDGE SPOIL = 800 2 C.Y. @ 3' DEPTH (+2.0 TO +5.0) WATER = 230,000 GAL. @ 3' DEPTH(+5.0 TO+80 APPROX.)



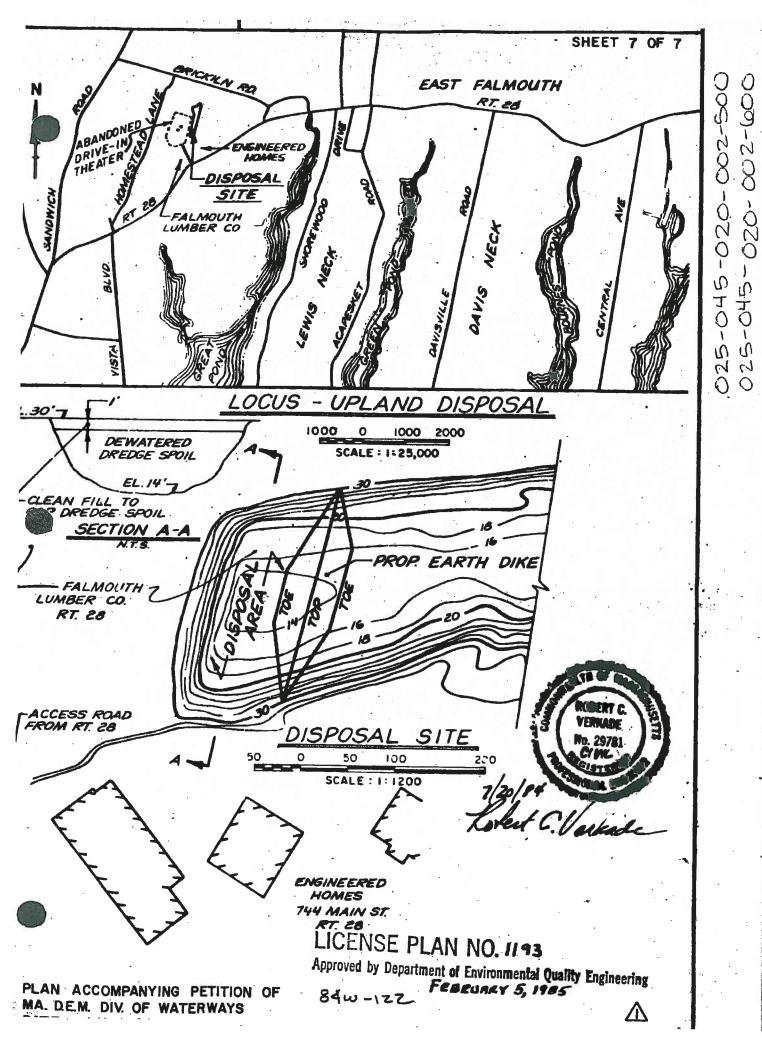
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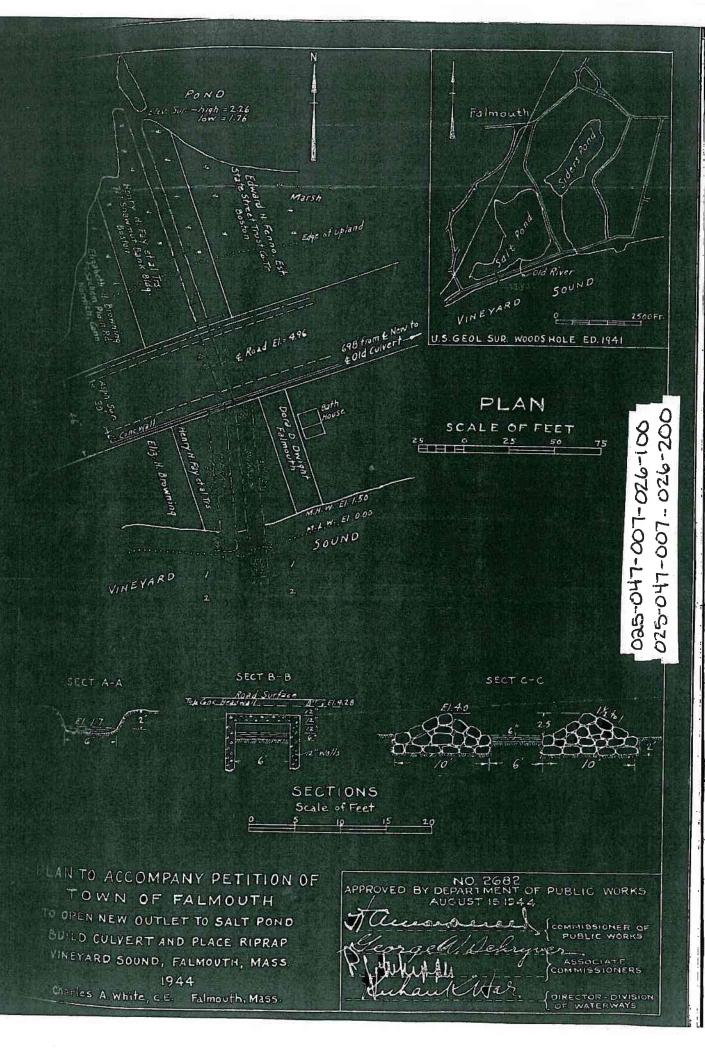
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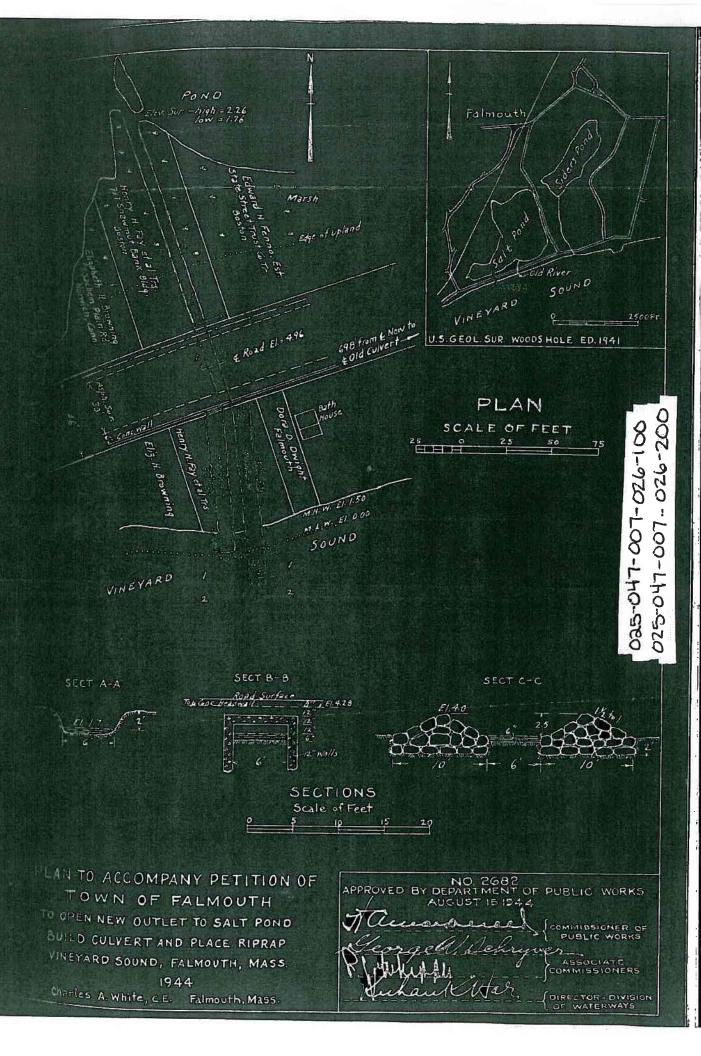
FEBRUARY 5,1985

94W-12E

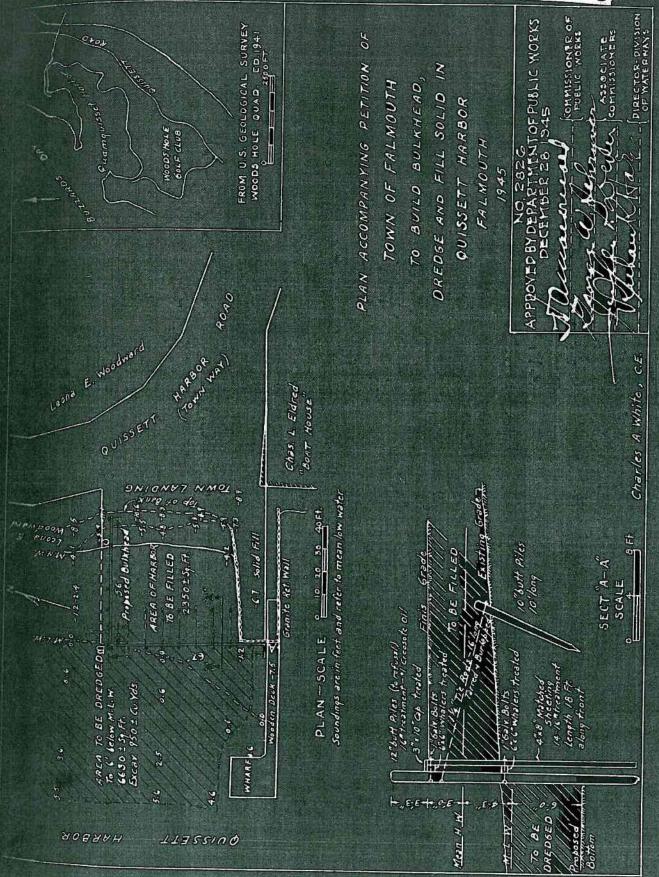
PLAN ACCOMPANY PETITION OF MA. DE.M. DIV. OF WATERWAYS DATE : JULY 1980



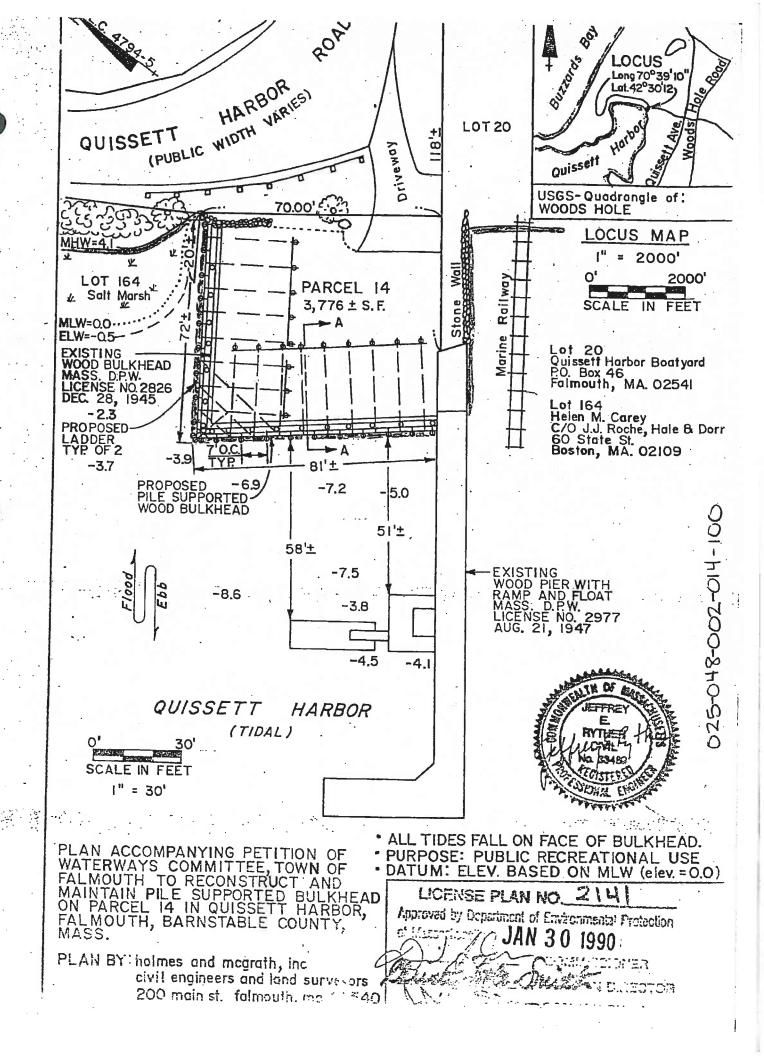


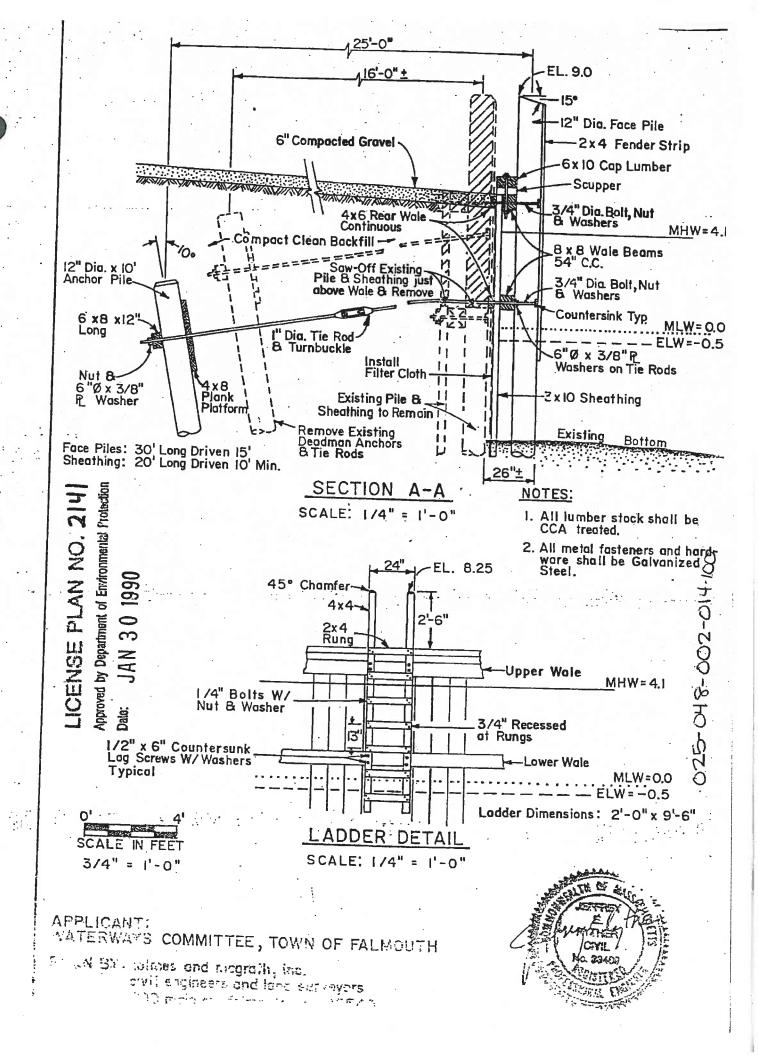


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ME NUTES GRUIN RECUNSTRUCTION: OIN MATERIAL TO BE HARD DURABLE QUARRY STONE.

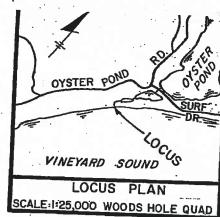
O CONSTRUCTION RUBBLE IS PERMISSIBLE. VERAGE ARMOR STONE WEIGHT TO BE 2 TO 3 TON.

CORE STONE TO BE 500 LB TO 1000 LB.

RE-USE EXISTING STONE WHERE POSSIBLE.

HANNEL STONE TO BE FLAT WITH A MINIMUM THICKNESS OF I FOOT. CHANNEL STONE JOINTS TO BE TIGHTLY SET & ANCHORED UNDER ARMOR STONE AS SHOWN.

8. GROINS TO BE TIGHTLY CHINKED AND TO BE SAND TIGHT.



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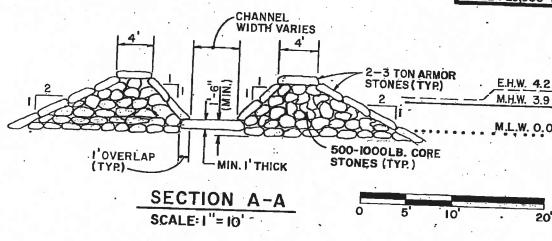
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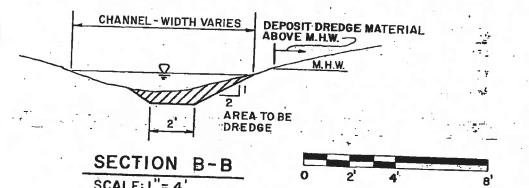
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CHANNEL DREDGING FROM FOOT BRIDGE TO SALT POND:

PROPOSED CHANNEL WIDTH TO BE 2' WITH A! ON 2 SIDE SLOPE.

CHANNEL WIDTH MEASURED FROM MOST SOUTHERLY B EASTERLY BANK FACE.

EVENLY DISTRIBUTE CHANNEL BOTTOM DREDGE MATERIAL ALONG SEAWARD FACE OF BANK ABOVE M.H.W.

PLANT BANK FACE WITH INDIGENOUS VEGETATION AS APPROVED BY THE CONSERVATION COMMISSION.

5. TRANSITION DREDGE SLOPE INTO POND AT A SLOPE OF 1 TO 4.

GENERAL NOTES:

I. FOR ORDER OF CONDITIONS SEE SE25-2449.

2. ELEVATIONS BASED ON M.L.W. DATUM.

PLAN ACCOMPANYING PETITION OF TOWN OF FALMOUTH MASS. PARTMENT OF PUBLIC WORKS OR THE DREDGING OF TRUNK RIVER & THE RECONSTRUCTION & MAINTAINING STONE GROINS IN VINEYARD SOUND

NOVEMBER 5, 1999 SULLIVAN ENGINEERING INC. OSTERVILLE, MASS.



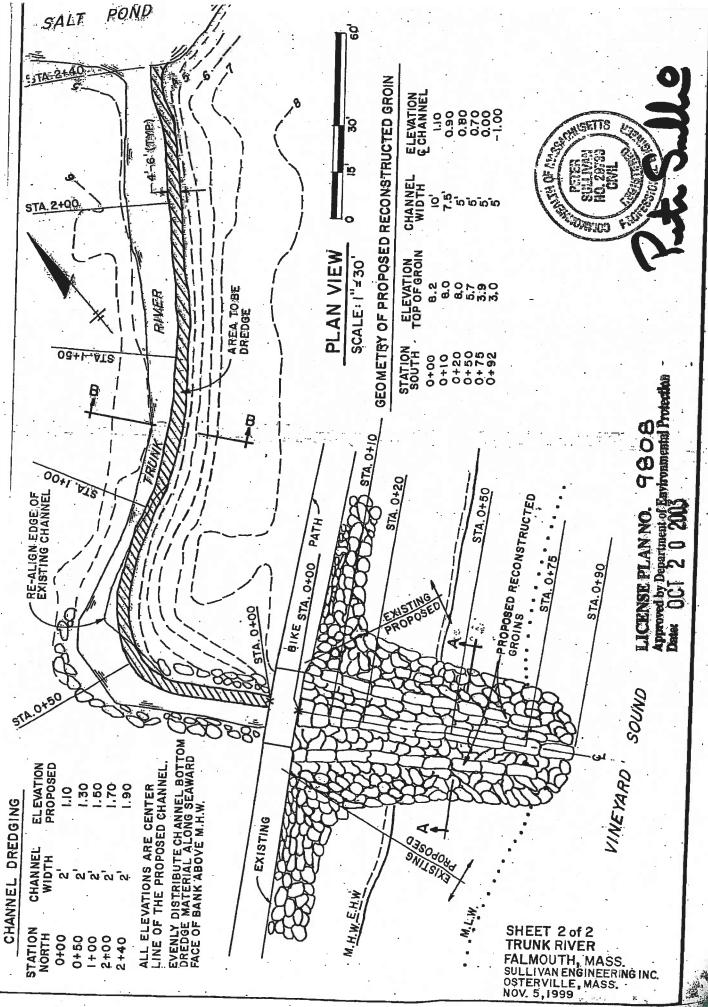
SHEET I of 2

LICENSE PLAN NO. 9808

Approved by Department of Environmental Protection

of Massachusetts

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025-050-005-0174-100 025-050-005-0174-200

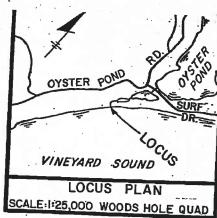
MOTES GROWN RECONSTRUCTION: OIN MATERIAL TO BE HARD DURABLE QUARRY STONE. CONSTRUCTION RUBBLE IS PERMISSIBLE.

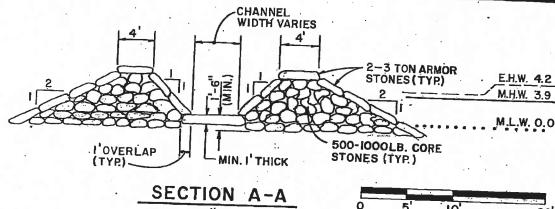
VERAGE ARMOR STONE WEIGHT TO BE 2 TO 3 TON. ORE STONE TOBE 500LB TO 1000LB.

RE-USE EXISTING STONE WHERE POSSIBLE.

HANNEL STONE TO BE FLAT WITH A MINIMUM THICKNESS OF I FOOT. CHANNEL STONE JOINTS TO BE TIGHTLY SET & ANCHORED UNDER ARMOR STONE AS SHOWN.

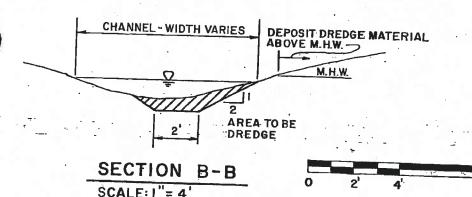
8. GROINS TO BE TIGHTLY CHINKED AND TO BE SAND TIGHT.







14



CHANNEL DREDGING FROM FOOT BRIDGE TO SALT POND:

- PROPOSED CHANNEL WIDTH TO BE 2' WITH A I ON 2 SIDE SLOPE.
- CHANNEL WIDTH MEASURED FROM MOST SOUTHERLY & EASTERLY BANK FACE.
- EVENLY DISTRIBUTE CHANNEL BOTTOM DREDGE MATERIAL ALONG SEAWARD FACE OF BANK ABOVE M.H.W.
- PLANT BANK FACE WITH INDIGENOUS VEGETATION AS APPROVED BY THE CONSERVATION COMMISSION.
- TRANSITION DREDGE SLOPE INTO POND AT A SLOPE OF I TO 4.

GENERAL NOTES:

- I. FOR ORDER OF CONDITIONS SEE SE25-2449.
- 2. ELEVATIONS BASED ON M.L.W. DATUM.

PLAN ACCOMPANYING PETITION OF TOWN OF FALMOUTH MASS. PARTMENT OF PUBLIC WORKS OR THE DREDGING OF TRUNK RIVER & THE RECONSTRUCTION & MAINTAINING STONE GROINS IN VINEYARD SOUND

NOVEMBER 5, 1999 SULLIVAN ENGINEERING INC. OSTERVILLE, MASS.



SHEET 1 of 2 LICENSE PLAN NO. Approved by Department of Environmental Protection of Massachusetts

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050-005-017A-100

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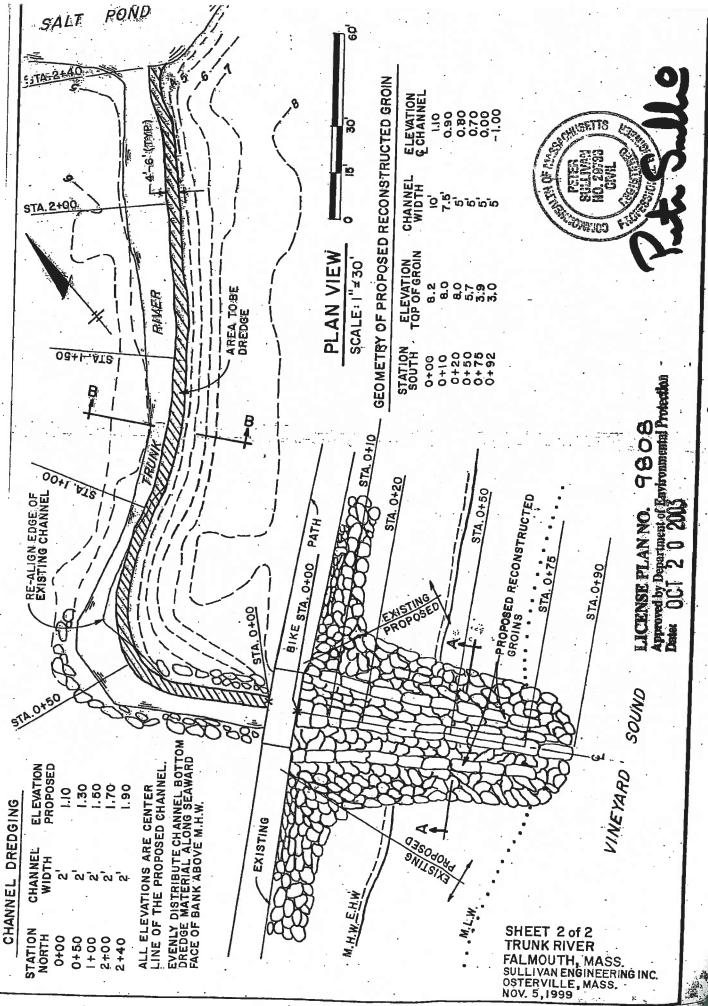
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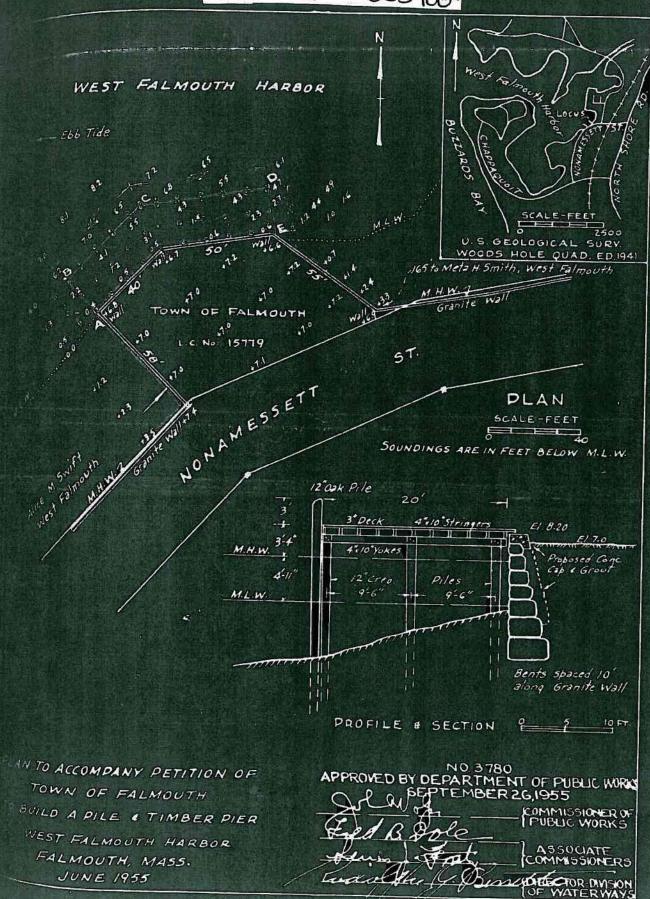
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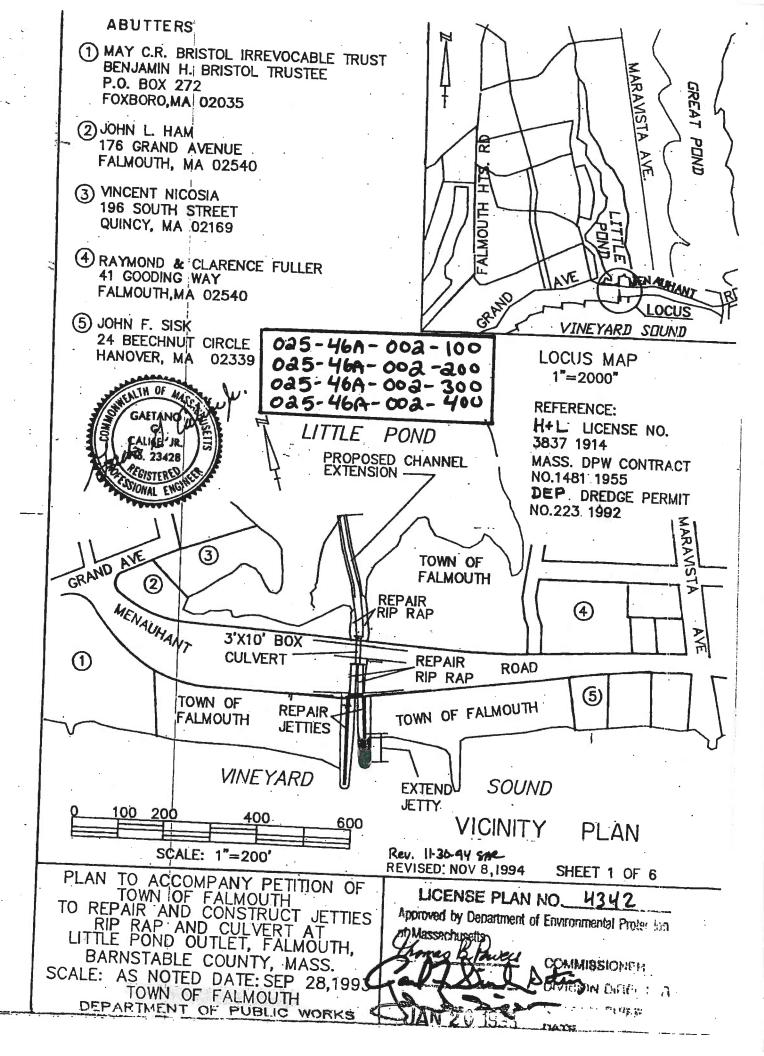
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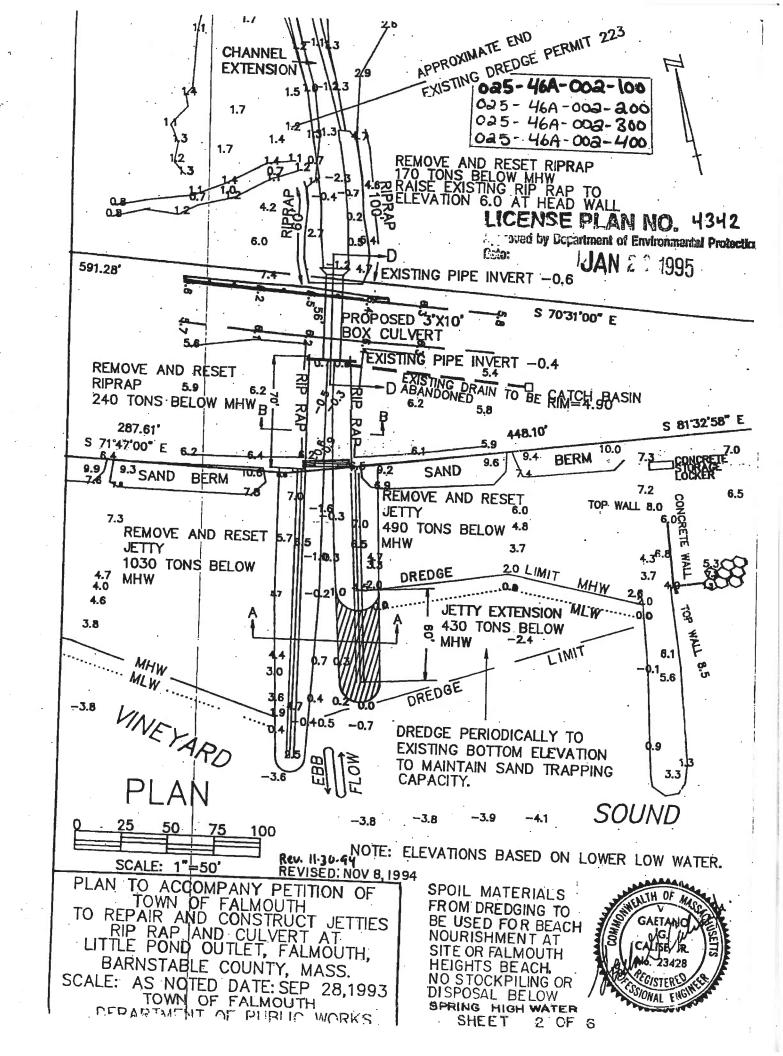


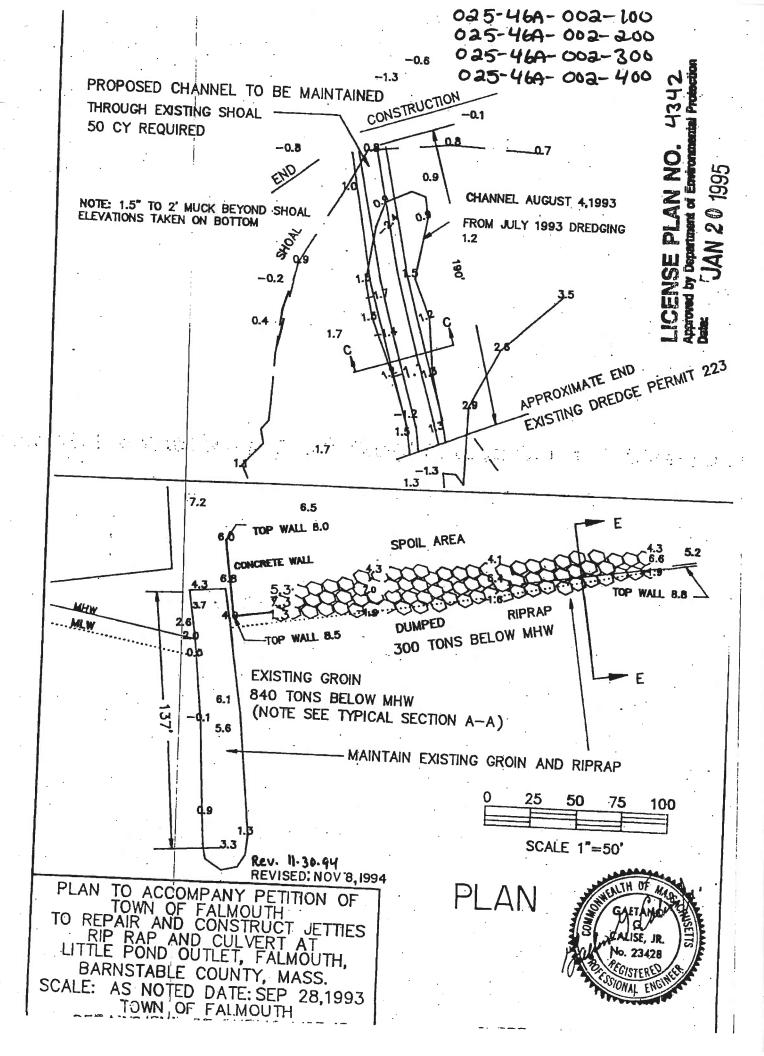
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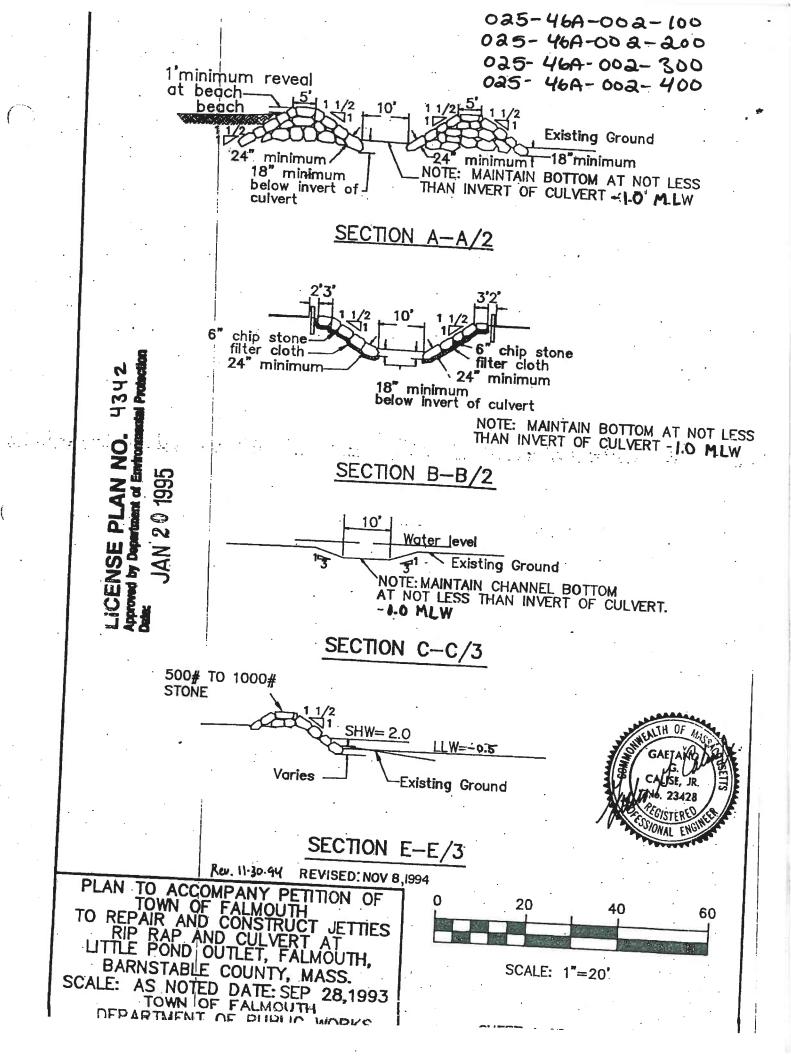
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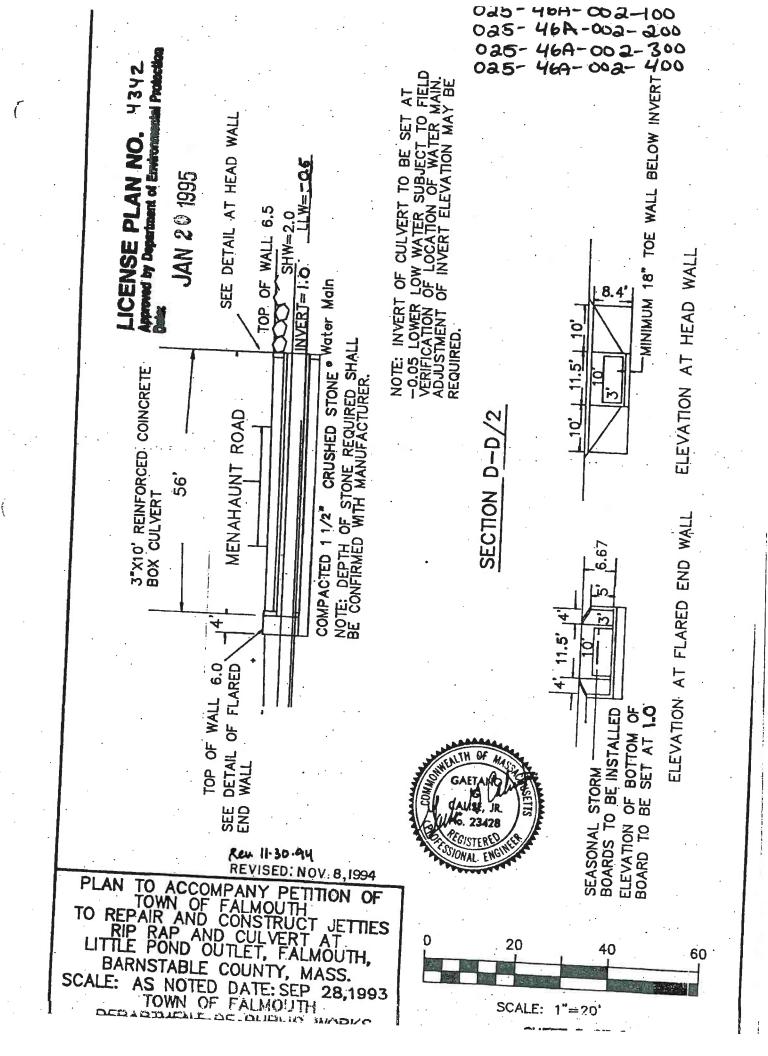


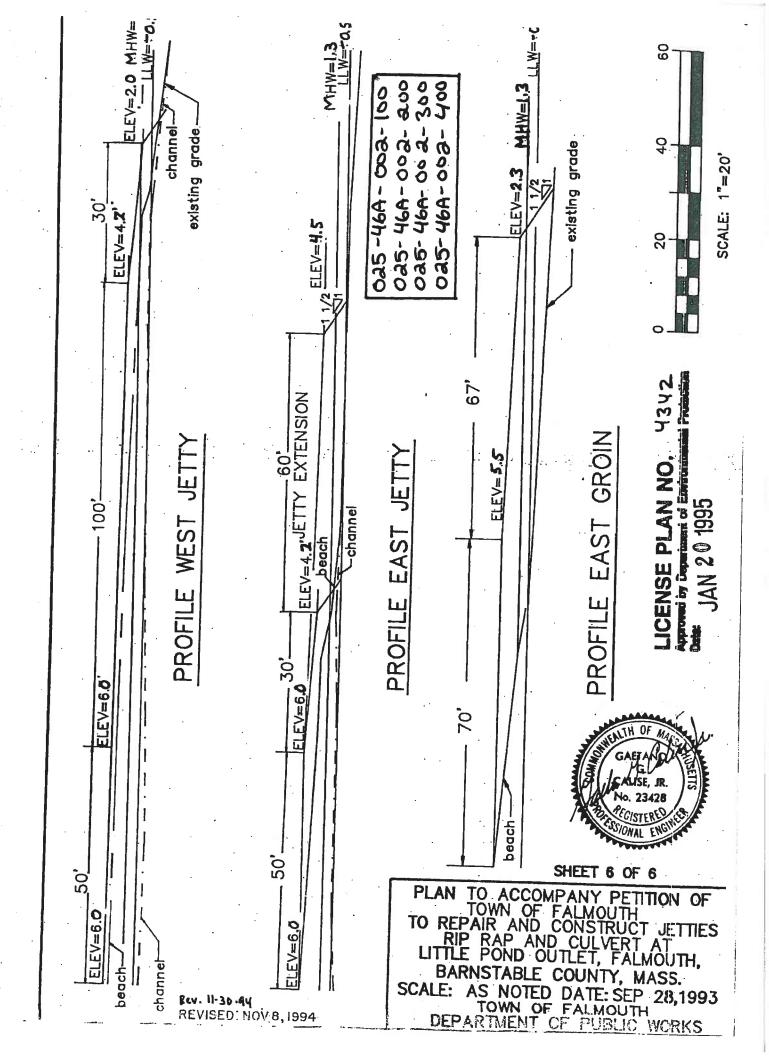


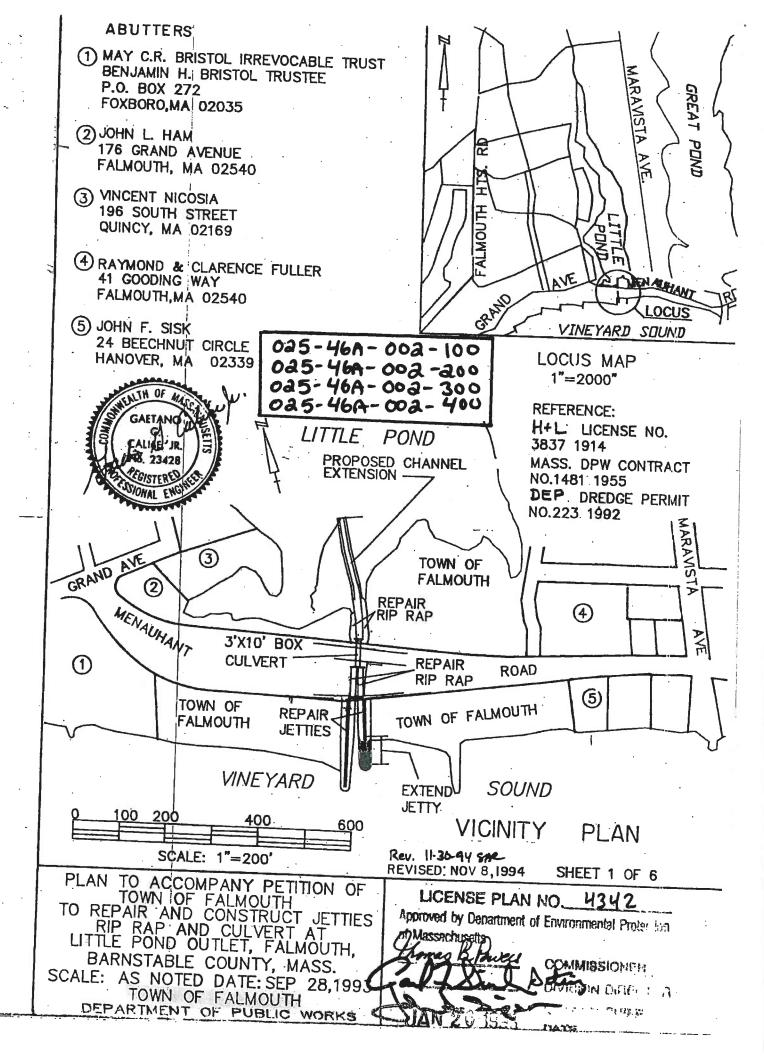


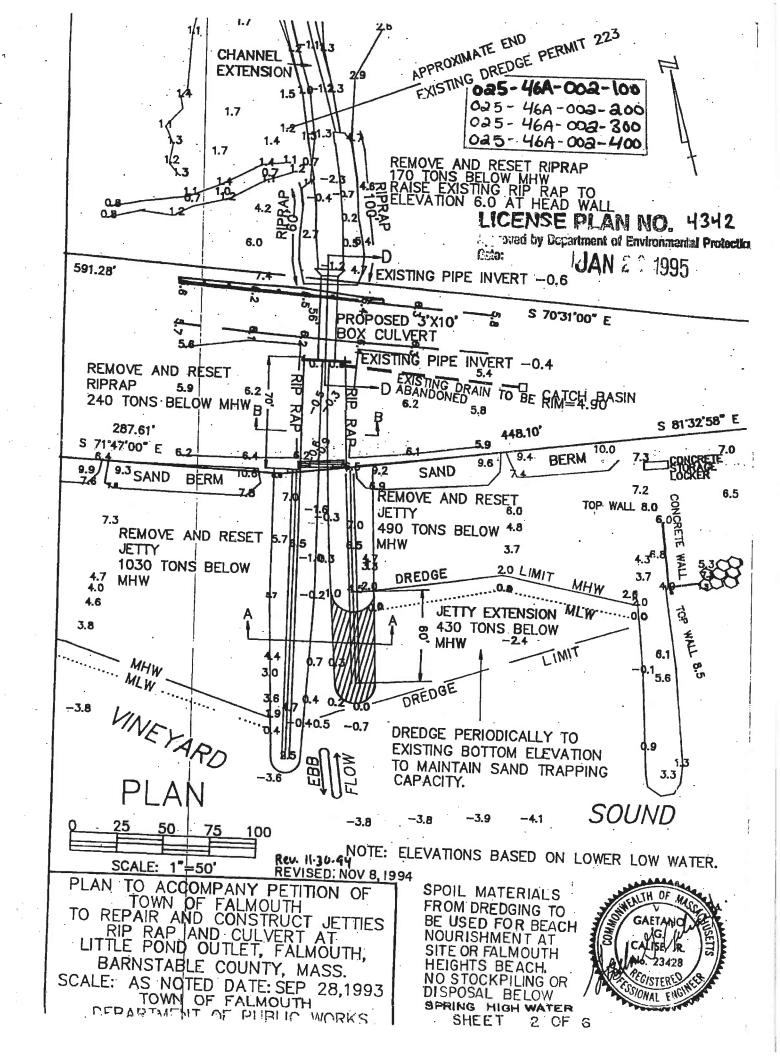


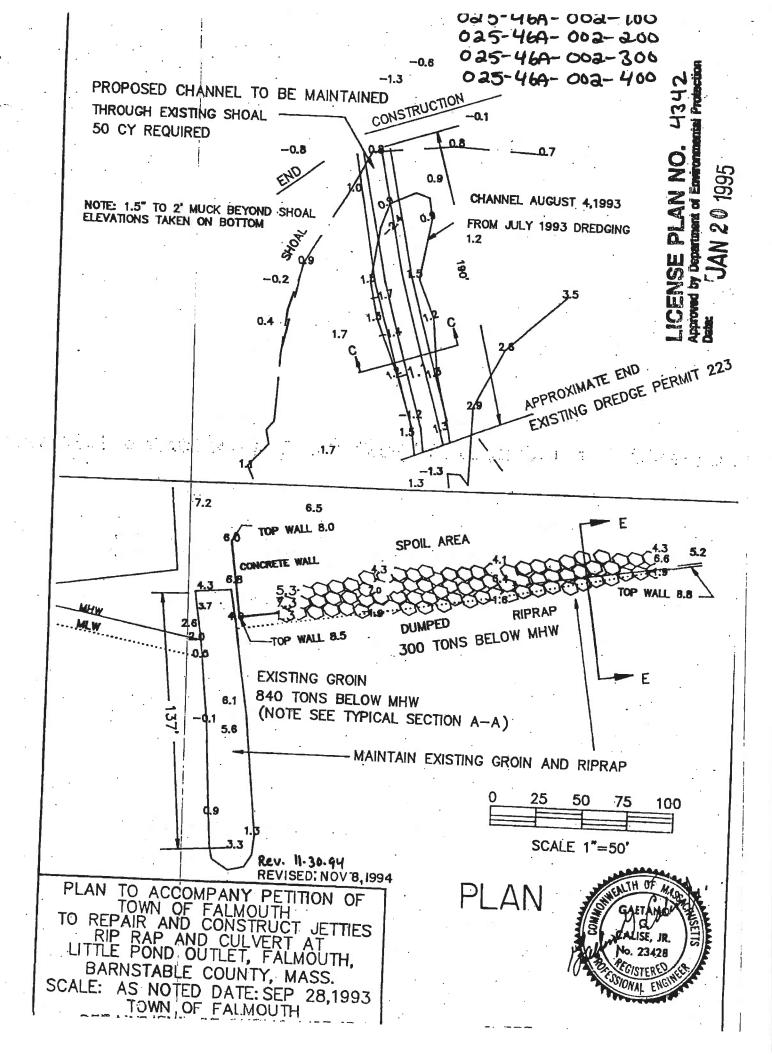


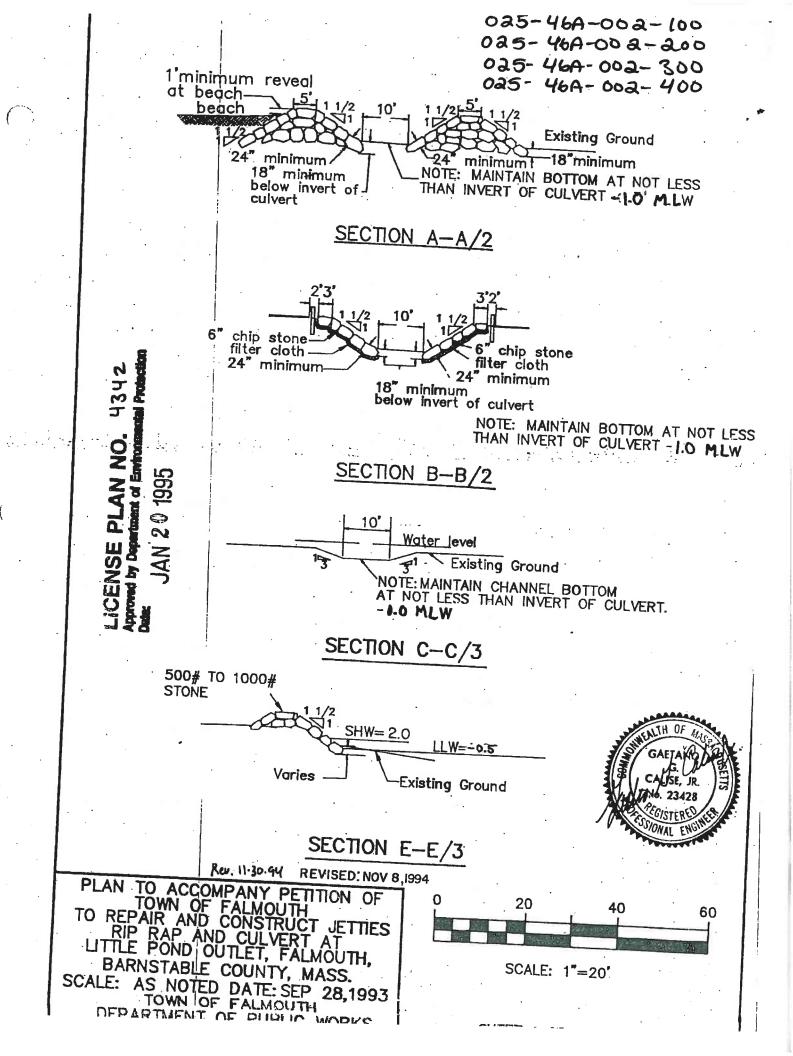


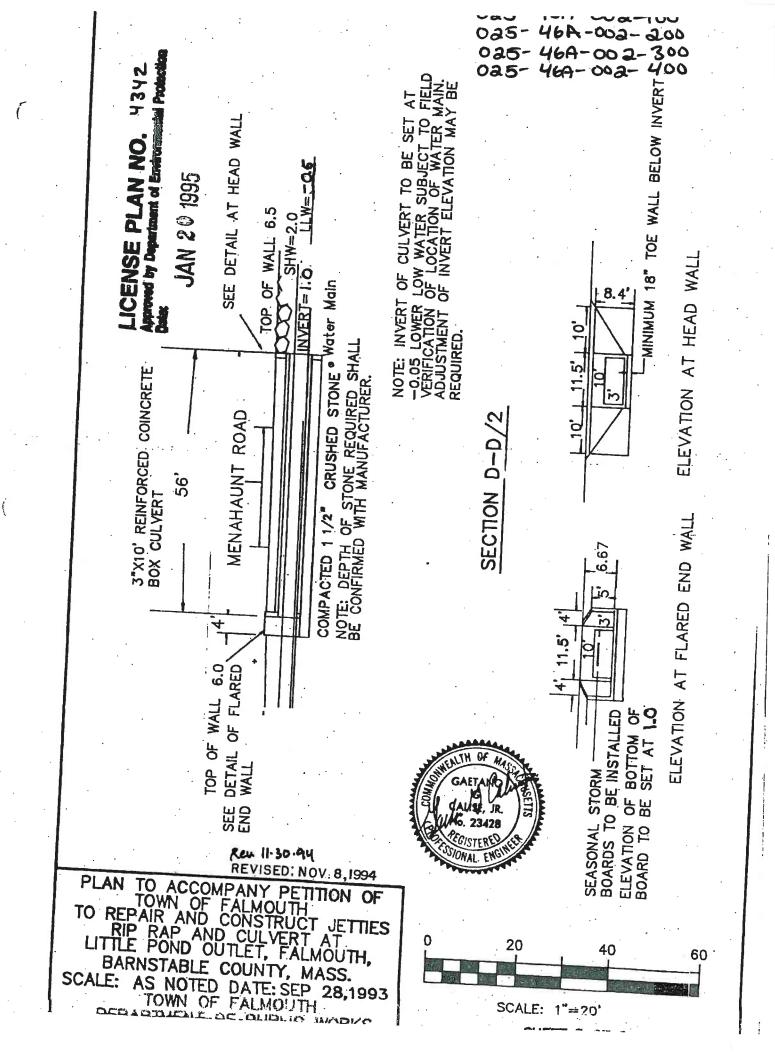


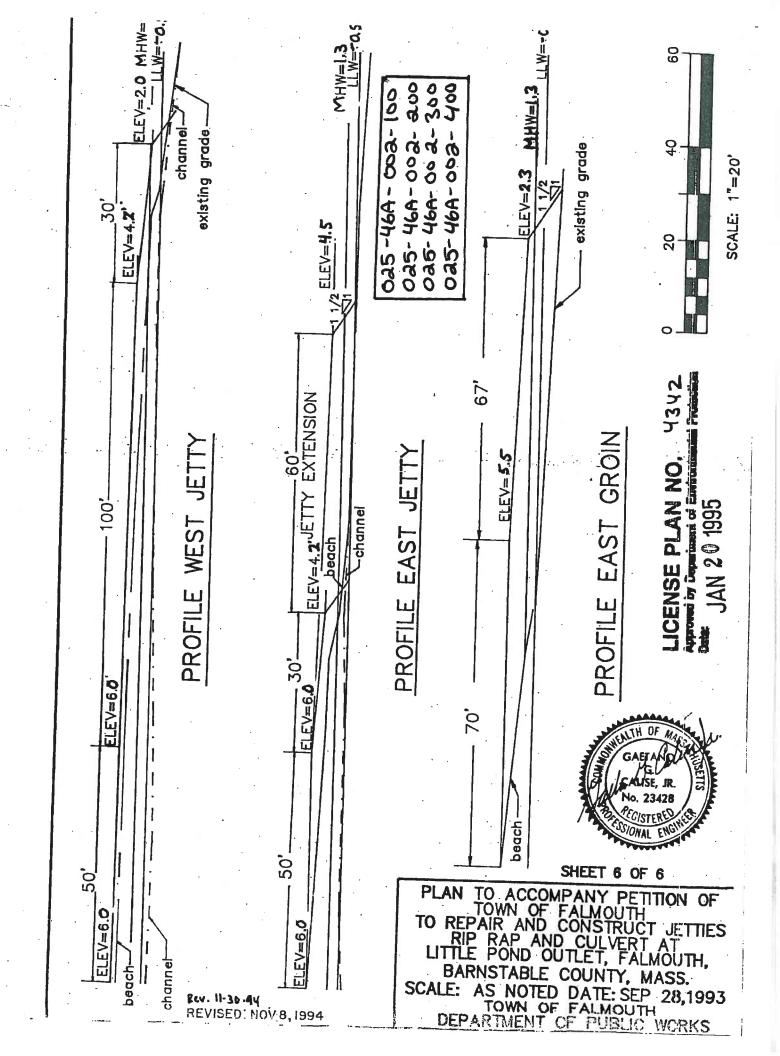


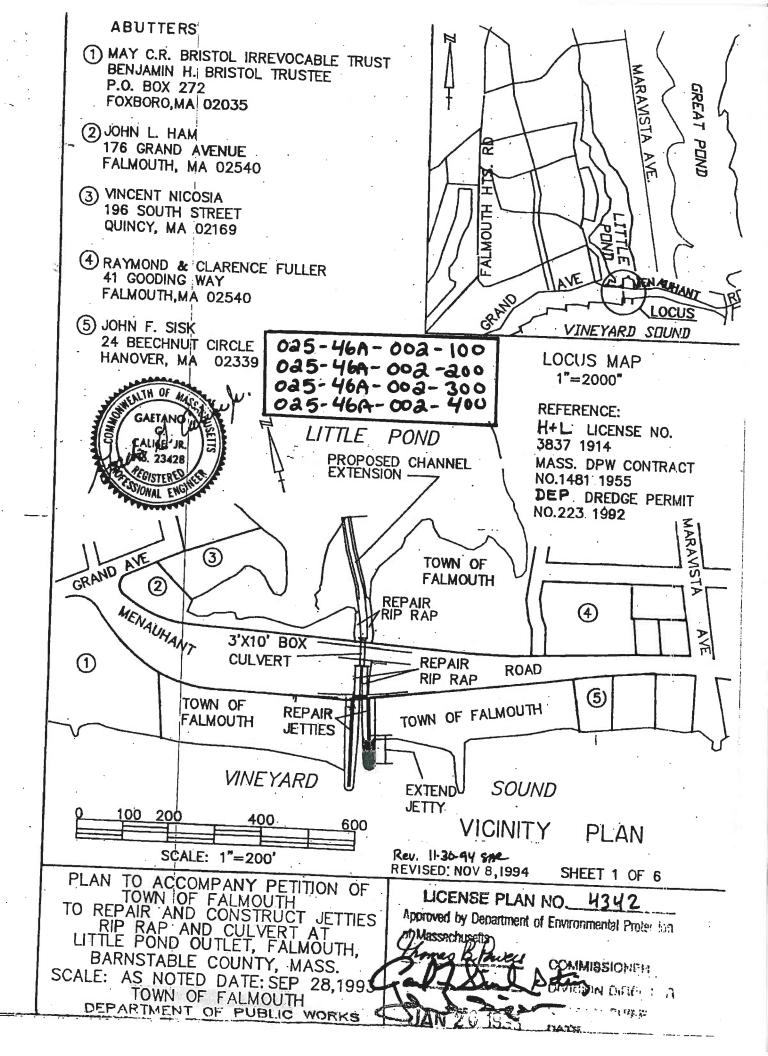


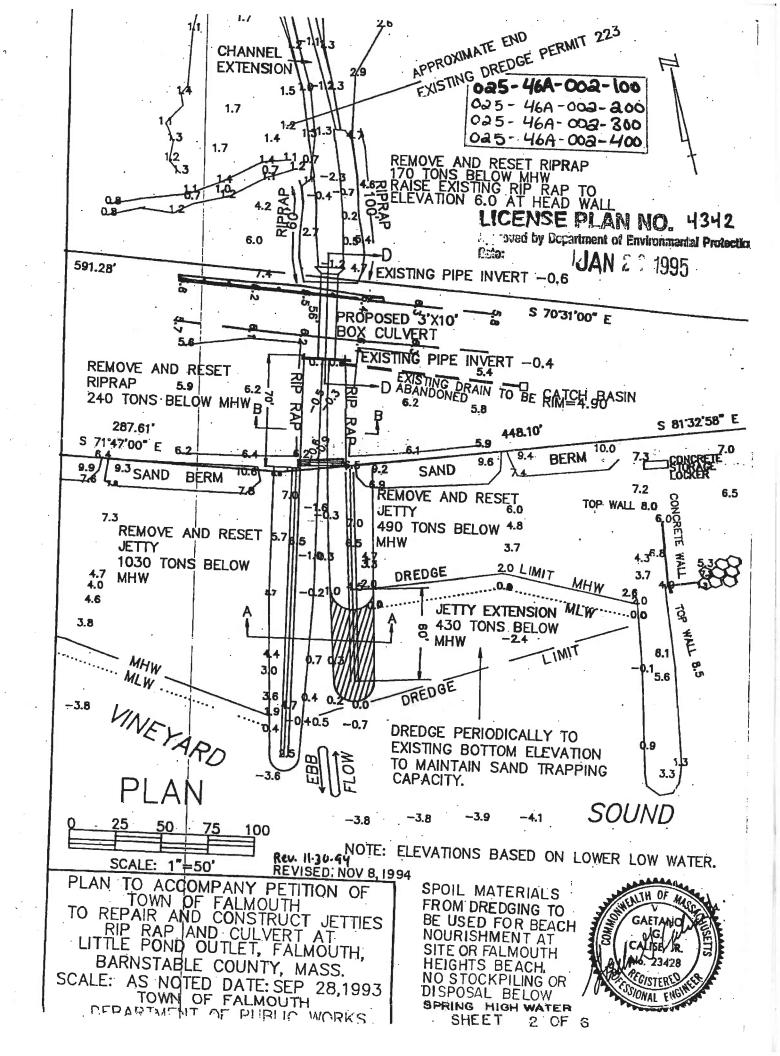


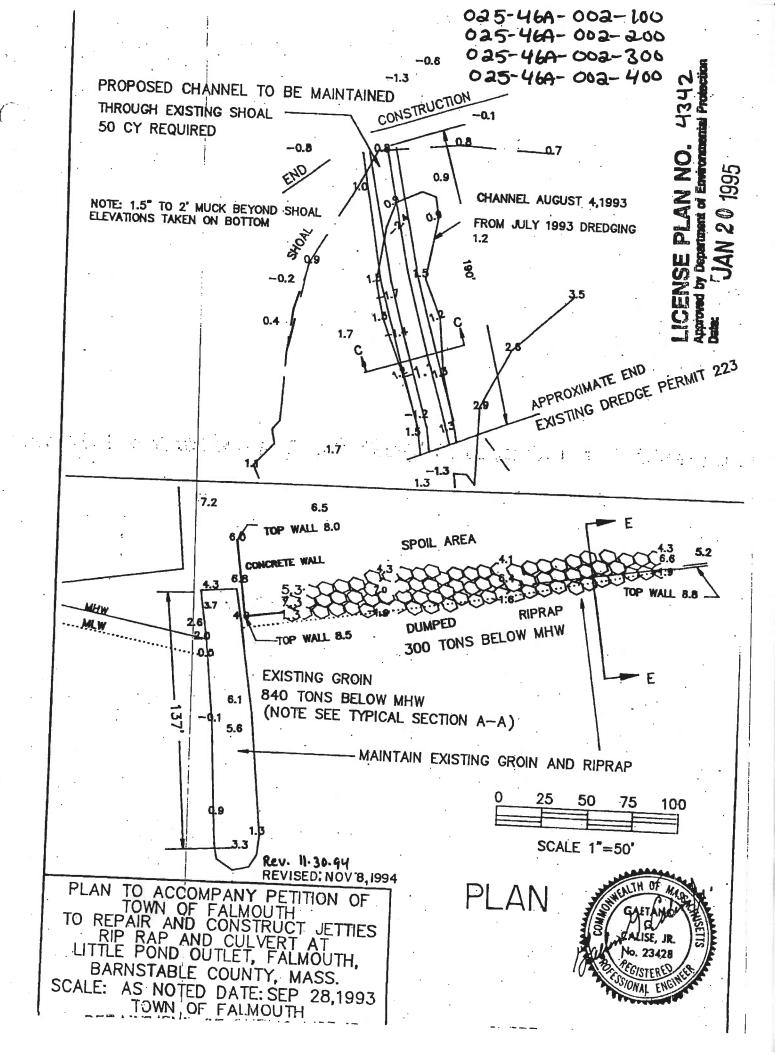


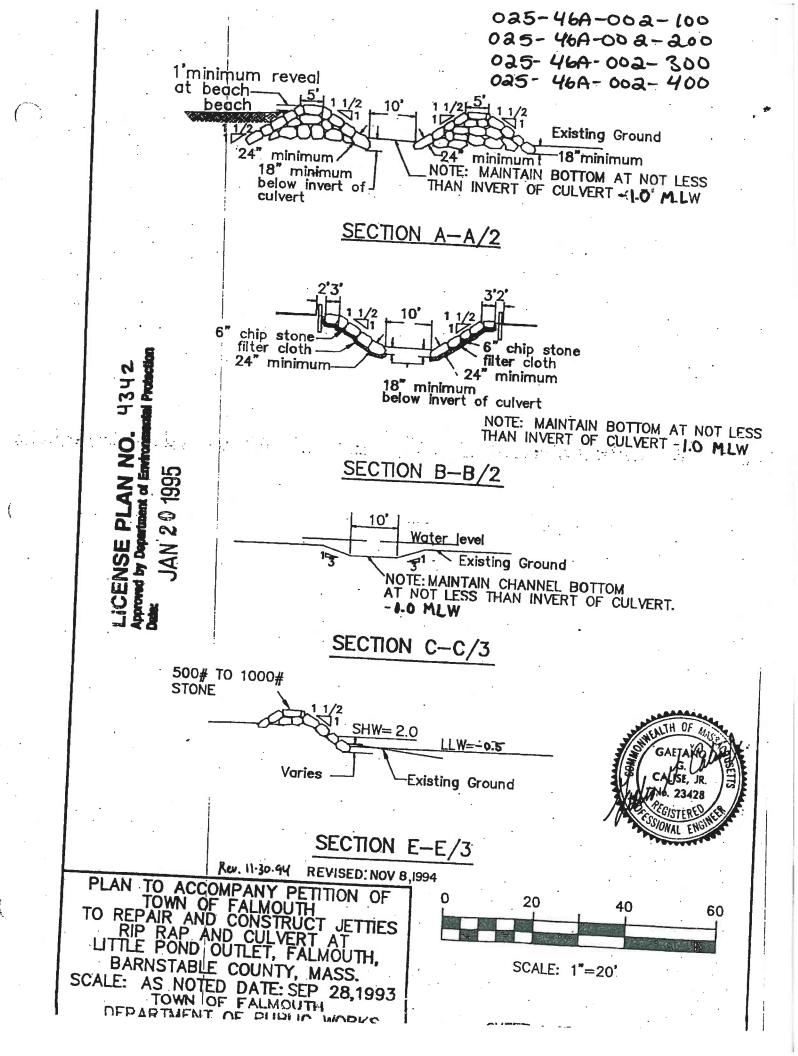


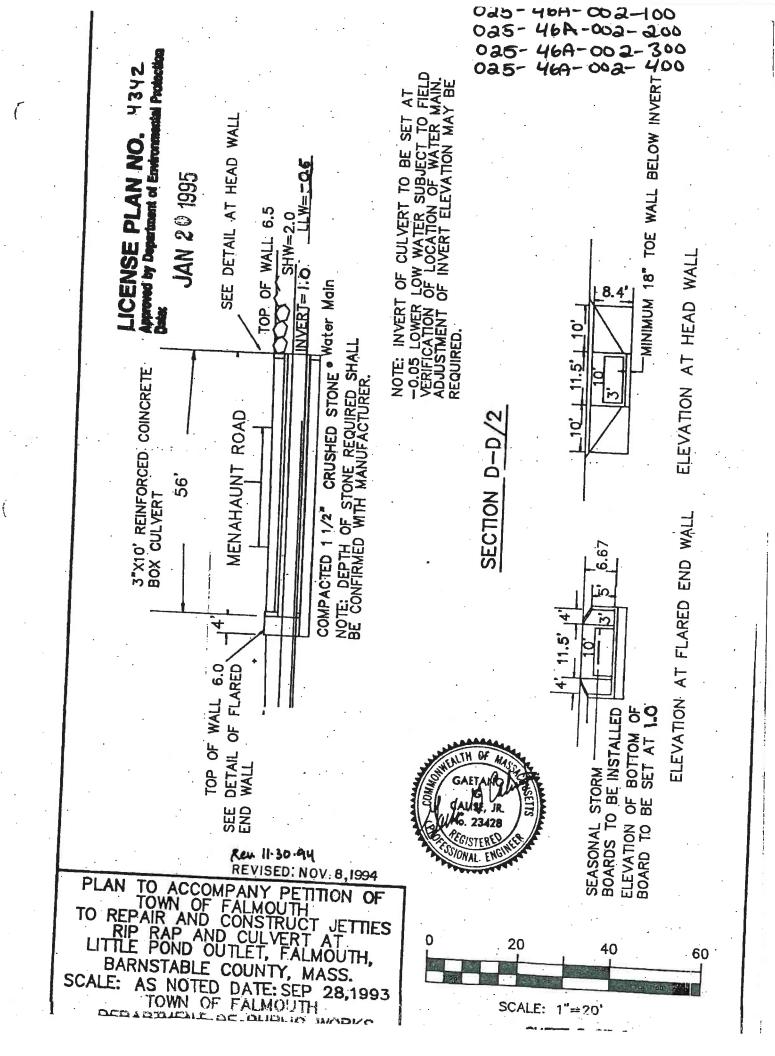


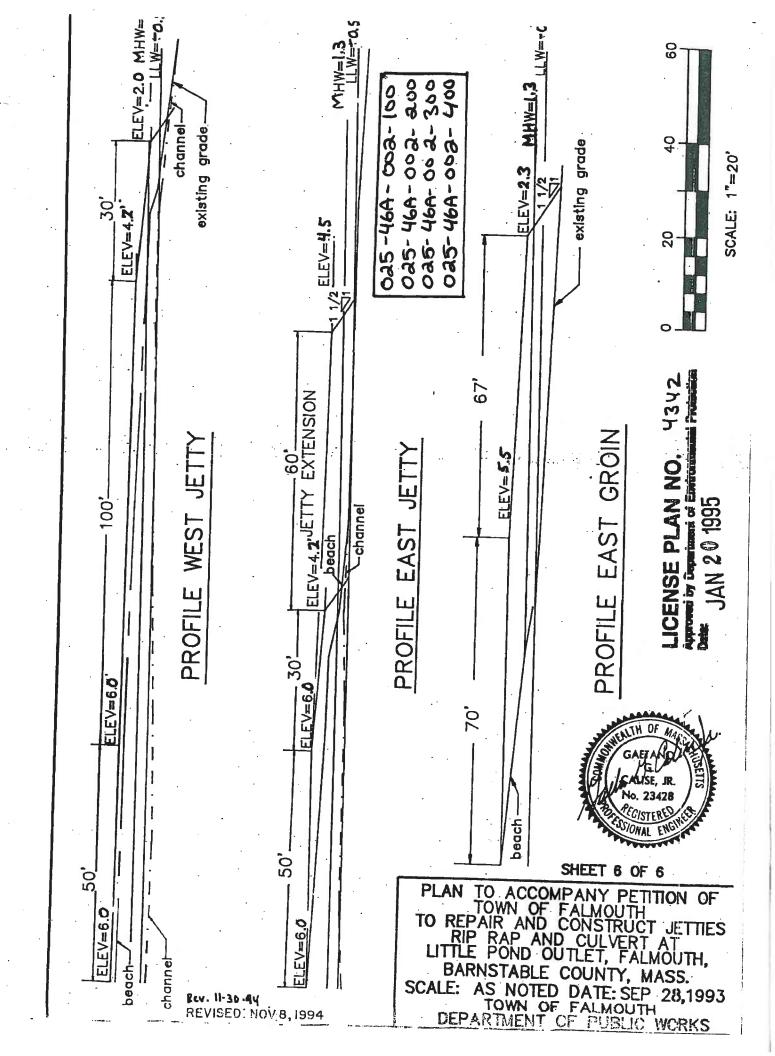


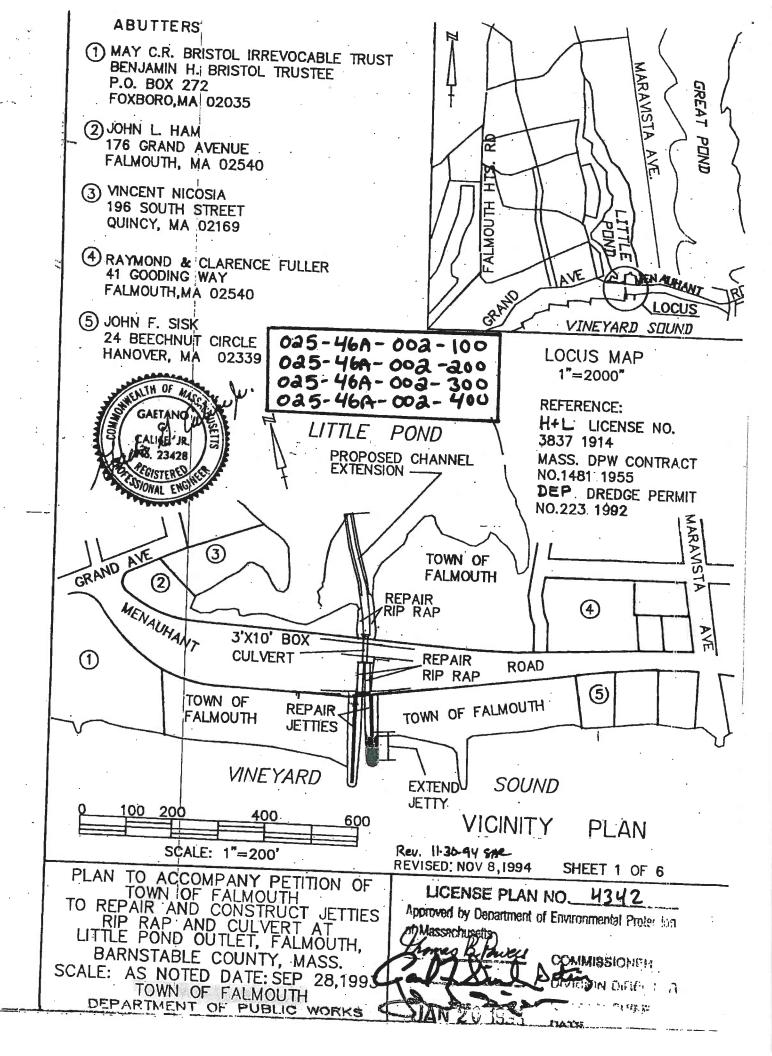


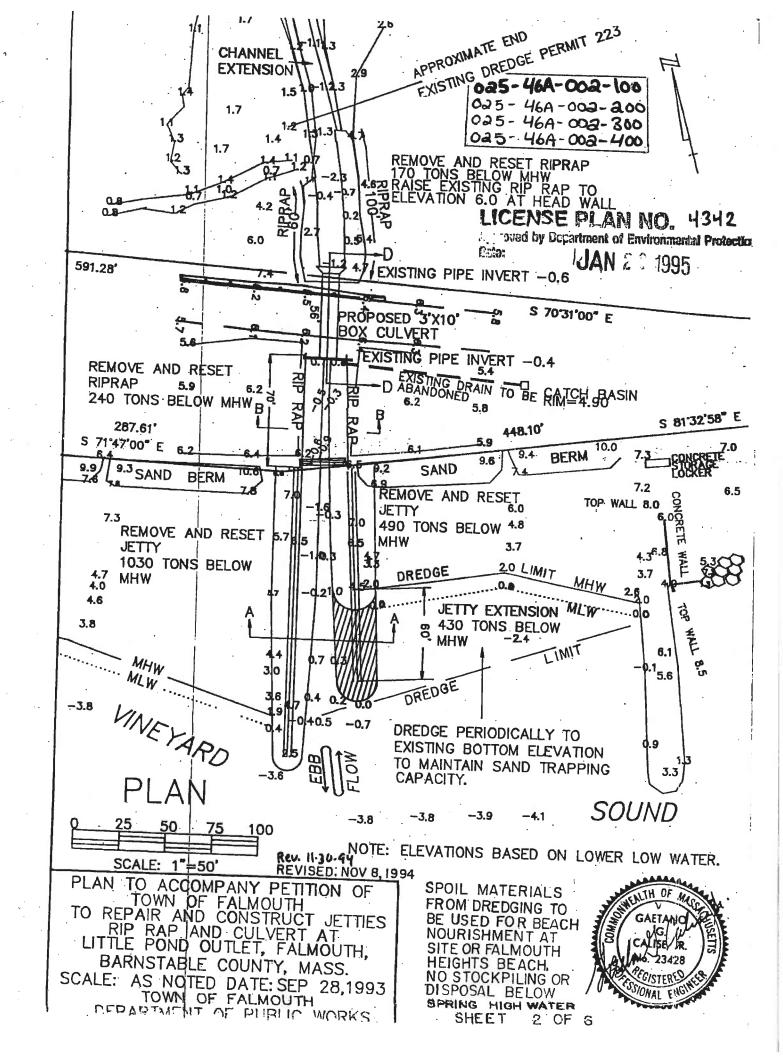


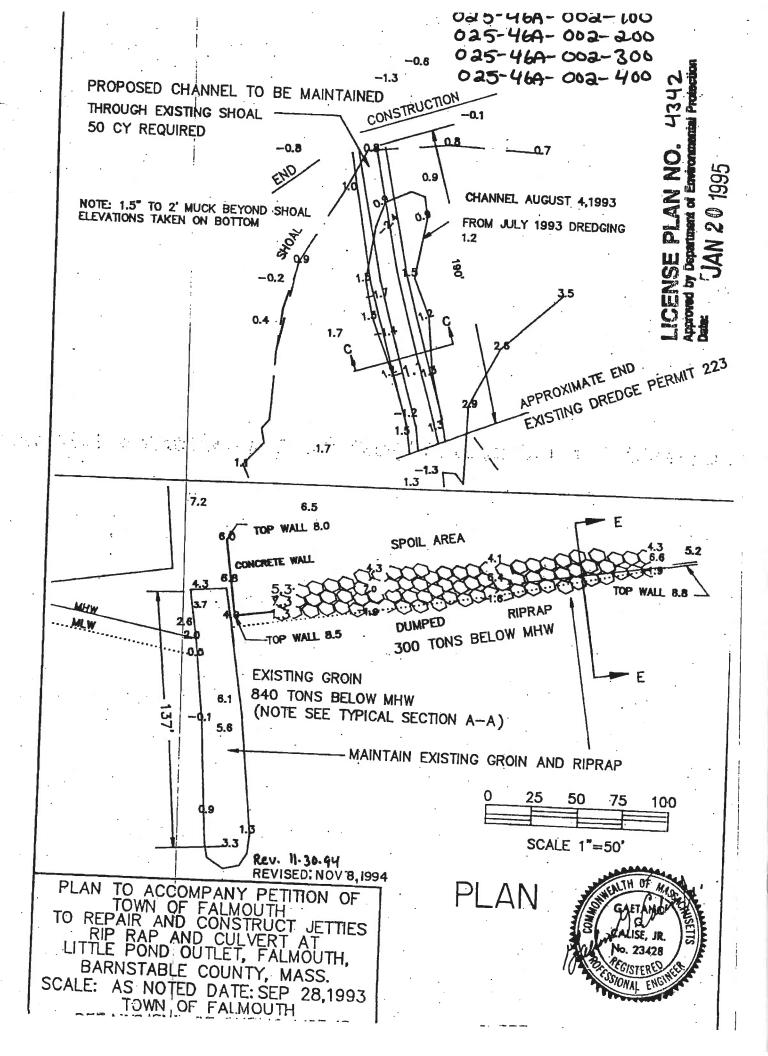


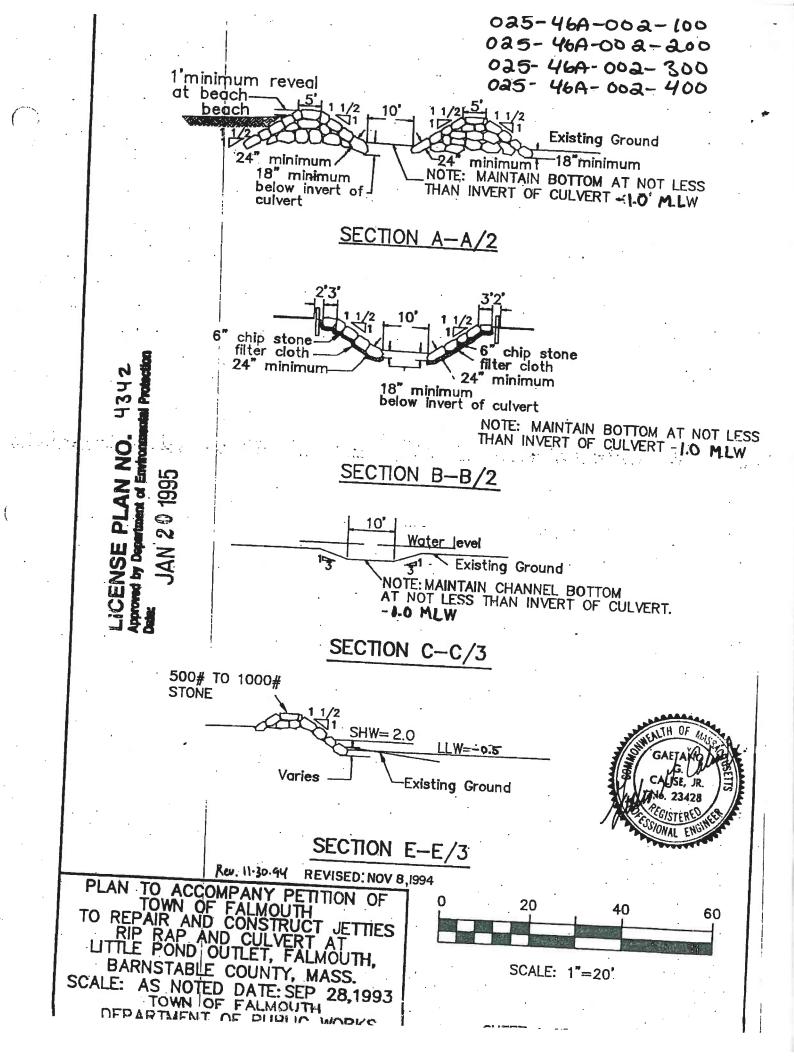


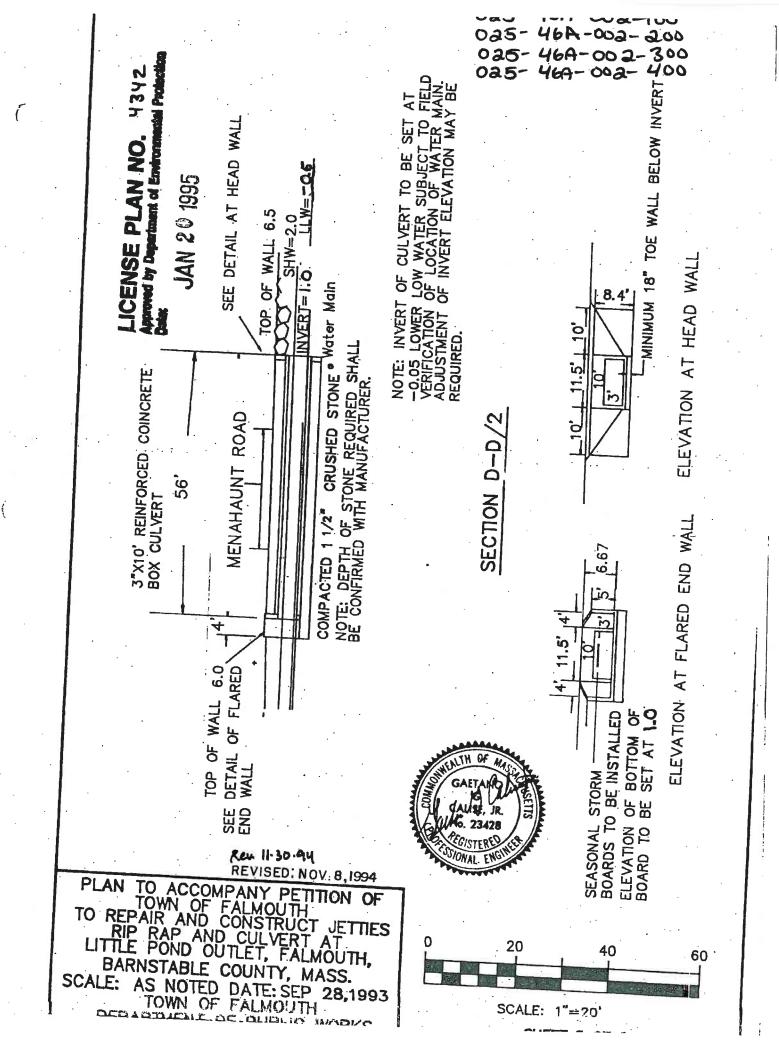


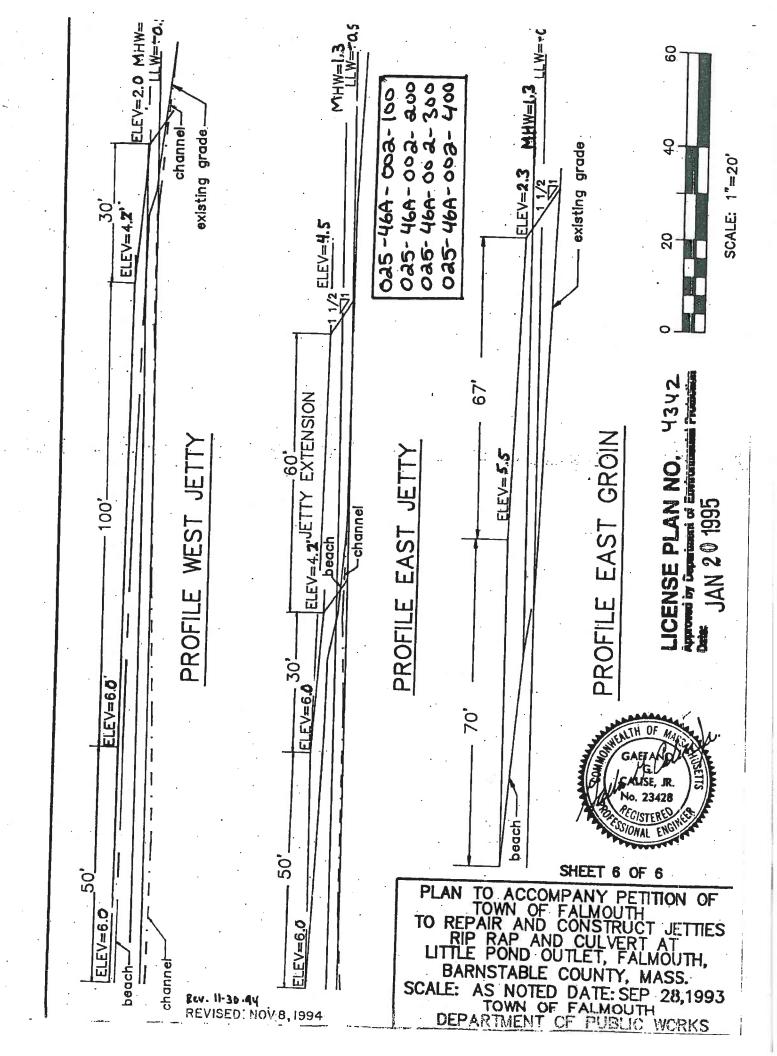


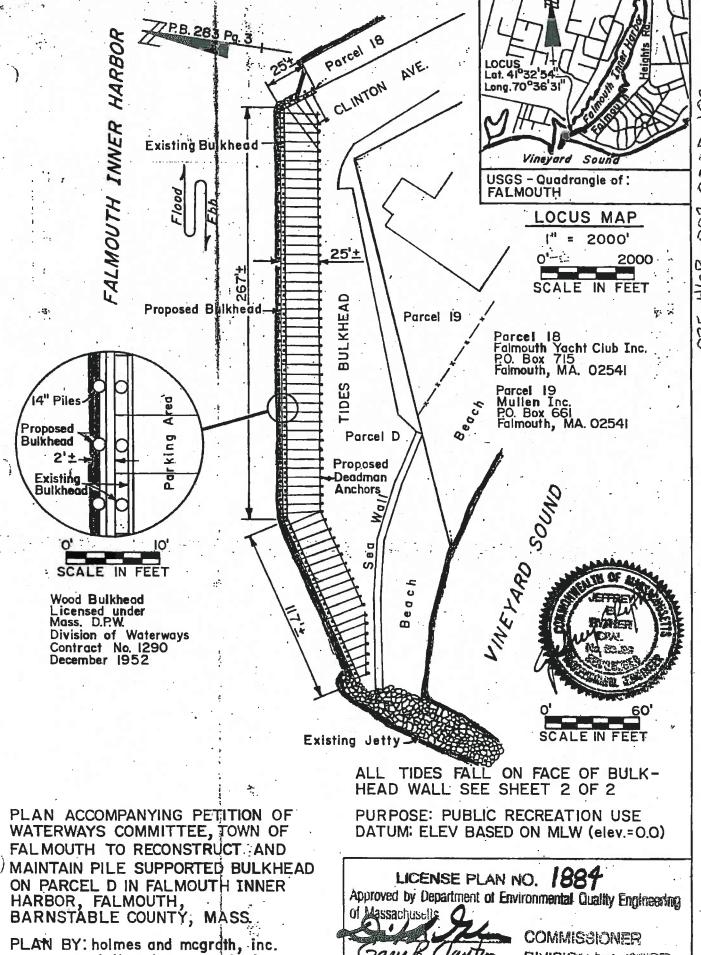












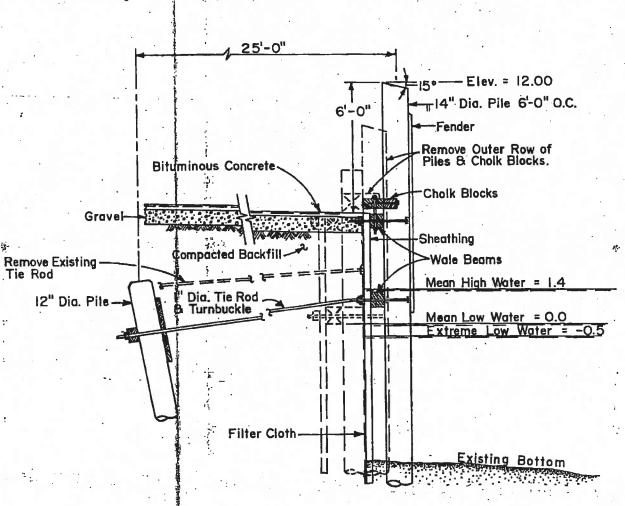
civil engineers and land surveyors

025-466-002-0000-100

DIVISION LINECTOR

Face Piles: 40' Long - Driven 22' Minimum Sheathing: 24' Long - Driven 12' Minimum

Anchor Piles: 14' Long



TYPICAL TIDES BULKHEAD CROSS-SECTION

SCALE: 1/4"= 1-0"



APPLICANT:

WATERWAYS COMMITTEE, TOWN OF FALMOUTH

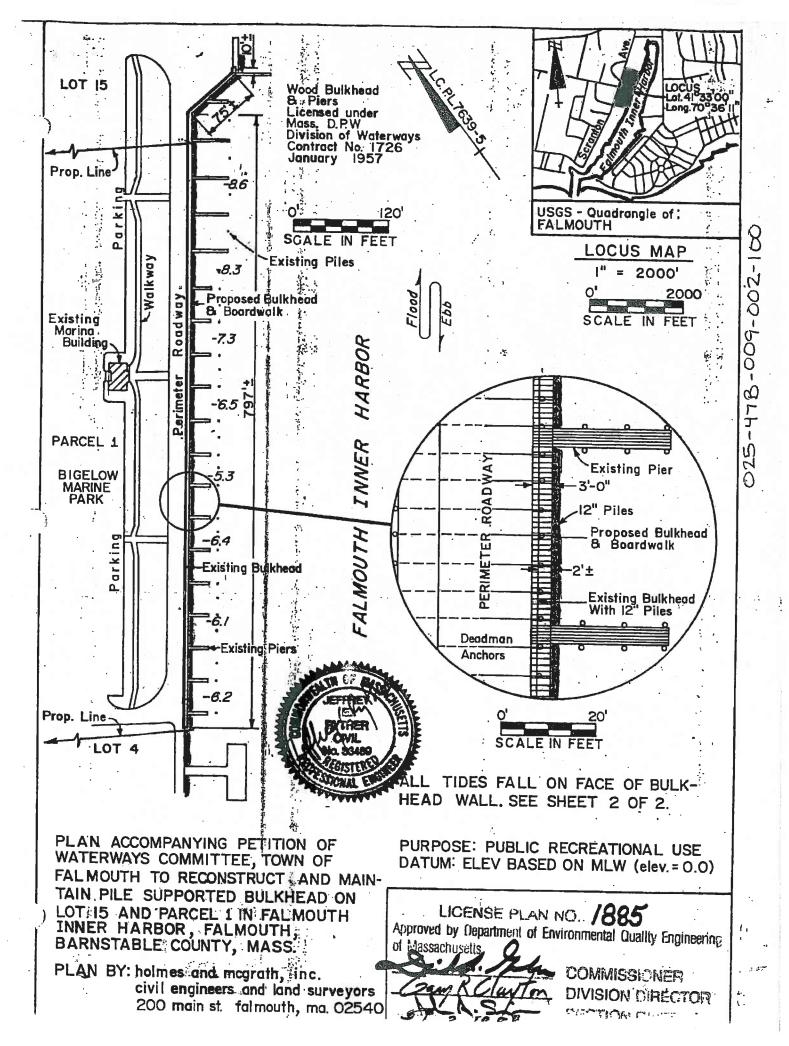
LICENSE PLAN NO. 1884

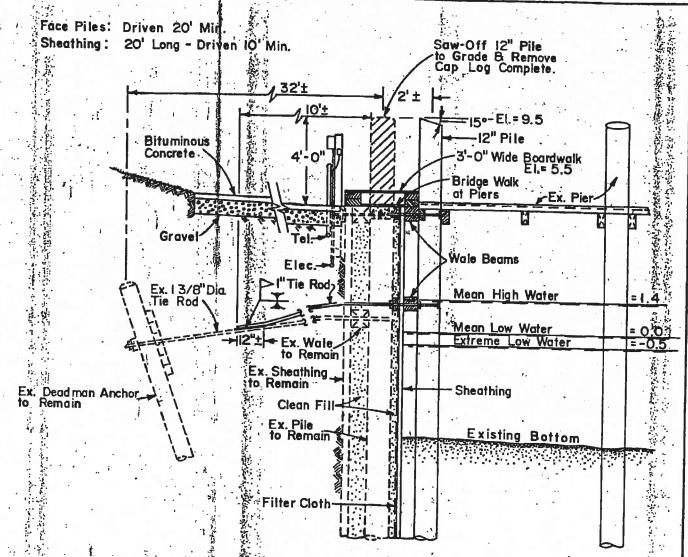
Approved by Department of Environmental Quality Engineering Date: Feb. 3, 1989

PLAN BY: holmes and mcgrath, inc.

civil engineers and land surveyors







MARINE PARK

TYPICAL BULKHEAD CROSS-SECTION

SCALE: 1/4"=1-0"



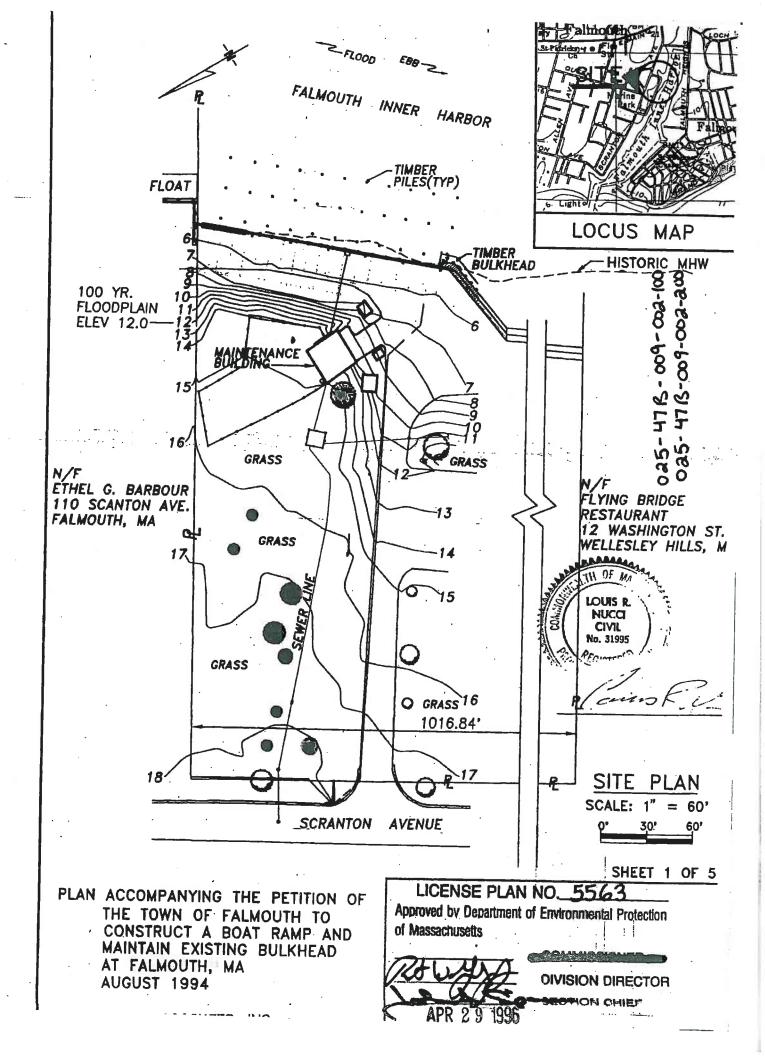
APPLICANT:

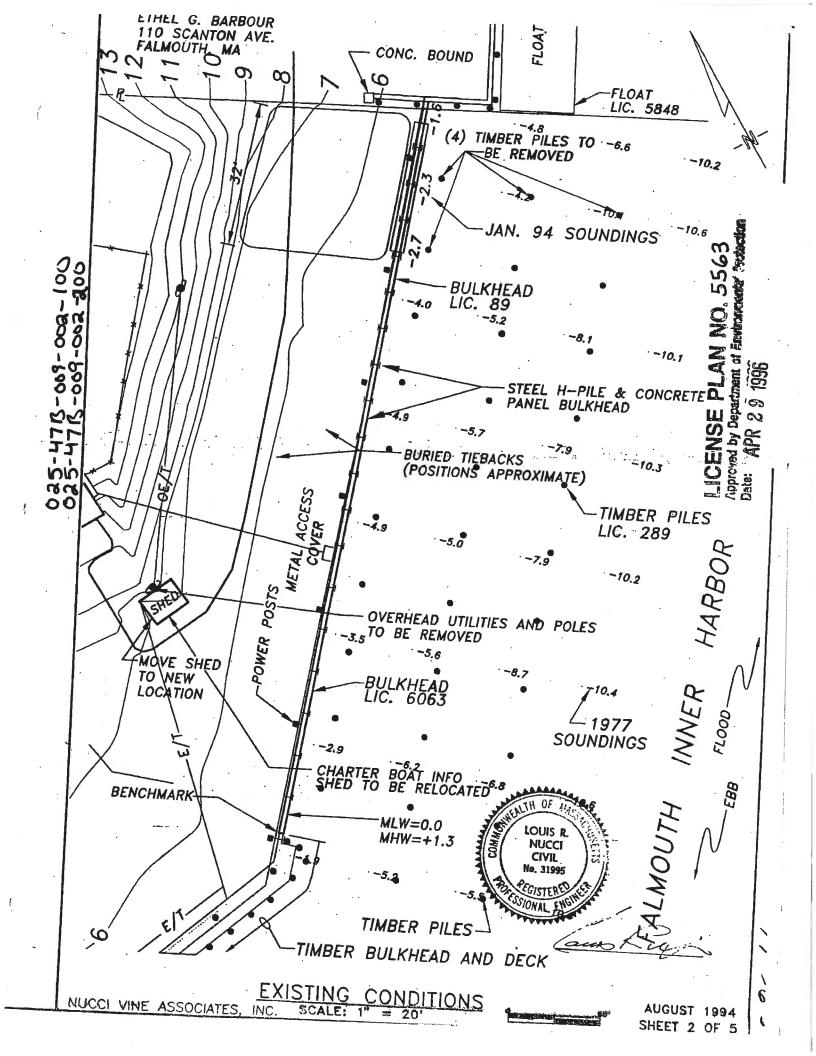
WATERWAYS COMMITTEE, TOWN OF FALMOUTH LIGENSE PLAN NO. 1885

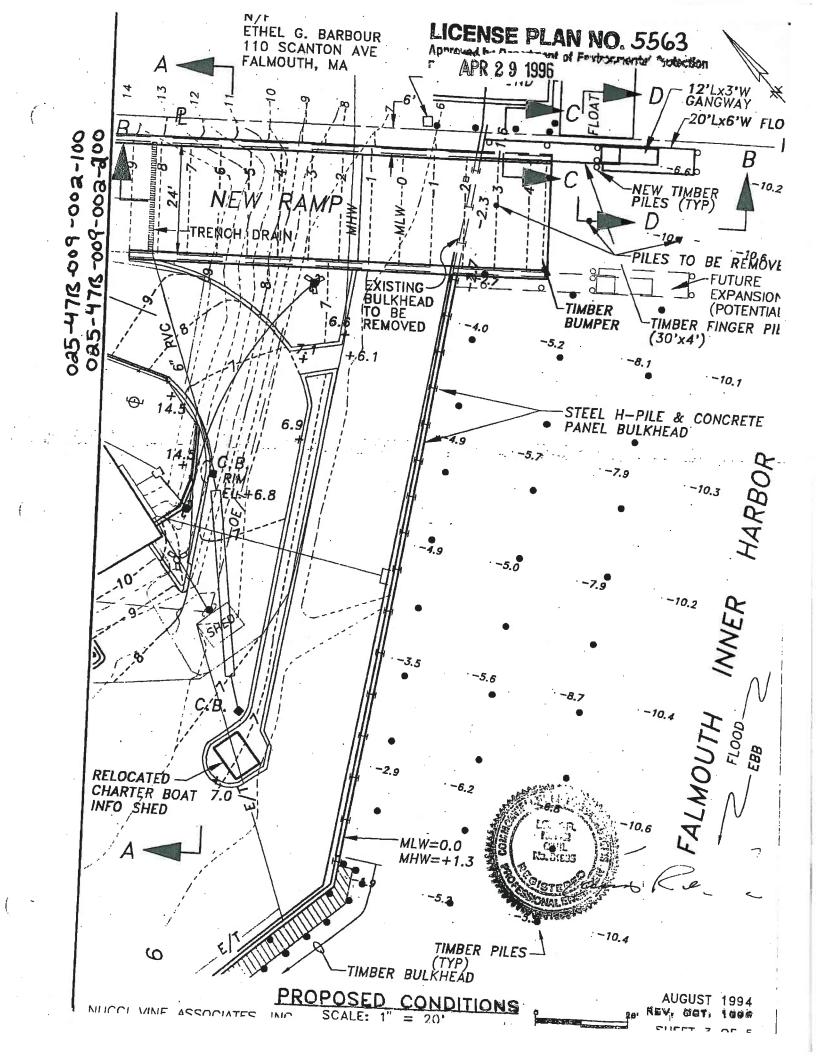
Approved by Department of Environmental Quality Engineering Date 3 4.989

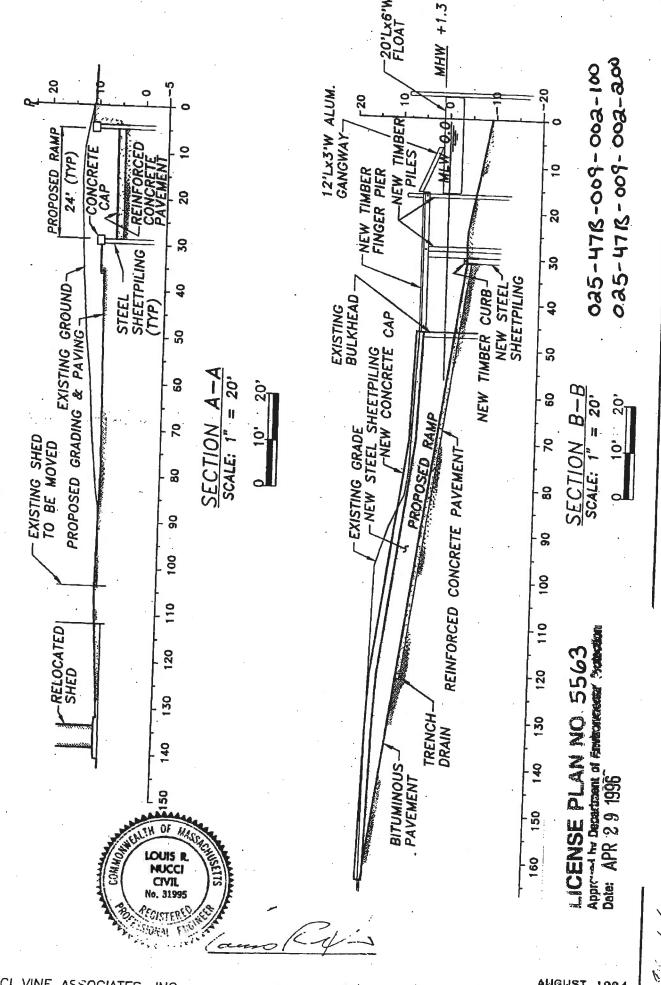
PLAN BY: holmes and magrath, inc.
civil engineers and land surveyors
200 main st. falmouth, ma. 02540





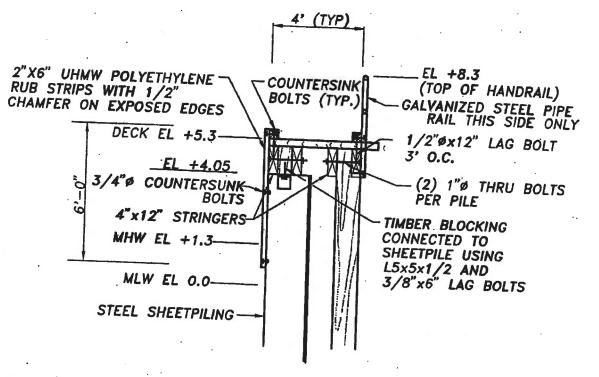


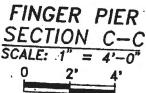




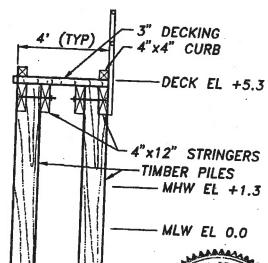
NUCCI VINE ASSOCIATES. INC.

AUGUST 1994 SHFFT 4 OF 5





025-47B-009-002-100 025-47B-009-002-200



APR 29 1995

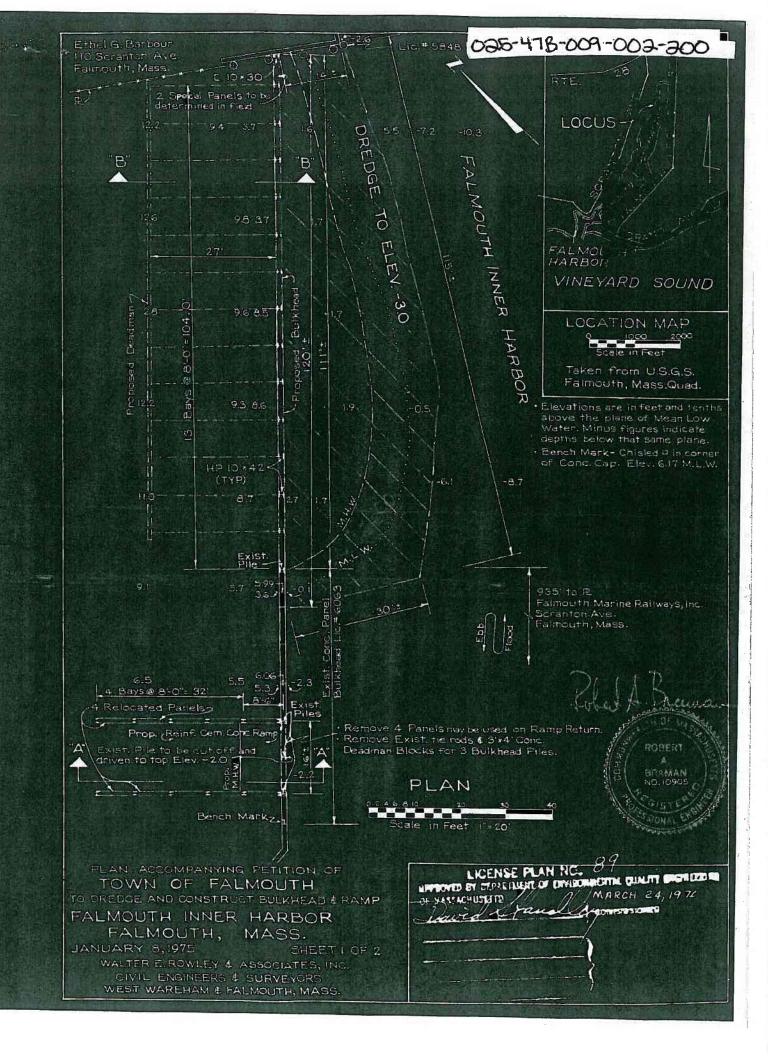
JGER PIER SECTION D-D SCALE: 1" = 4'-0"

0 2' 4'

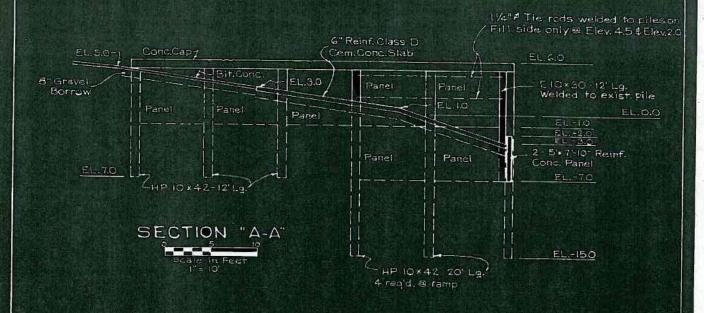


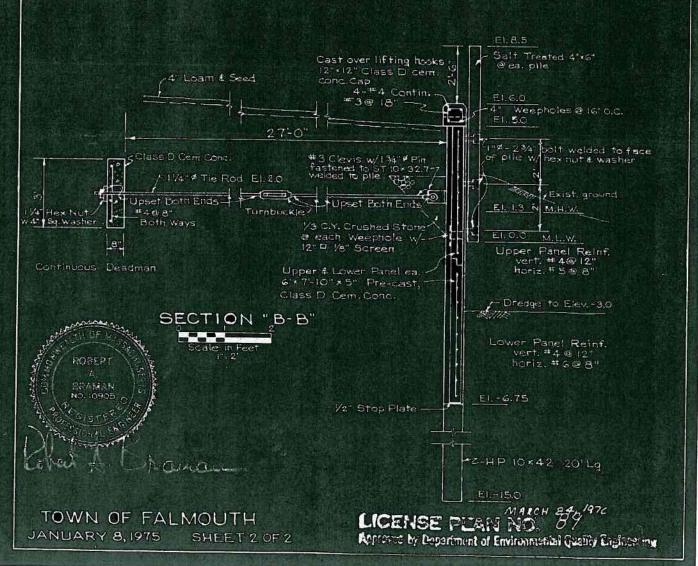
AUGUST 1994 SHEET 5 OF 5

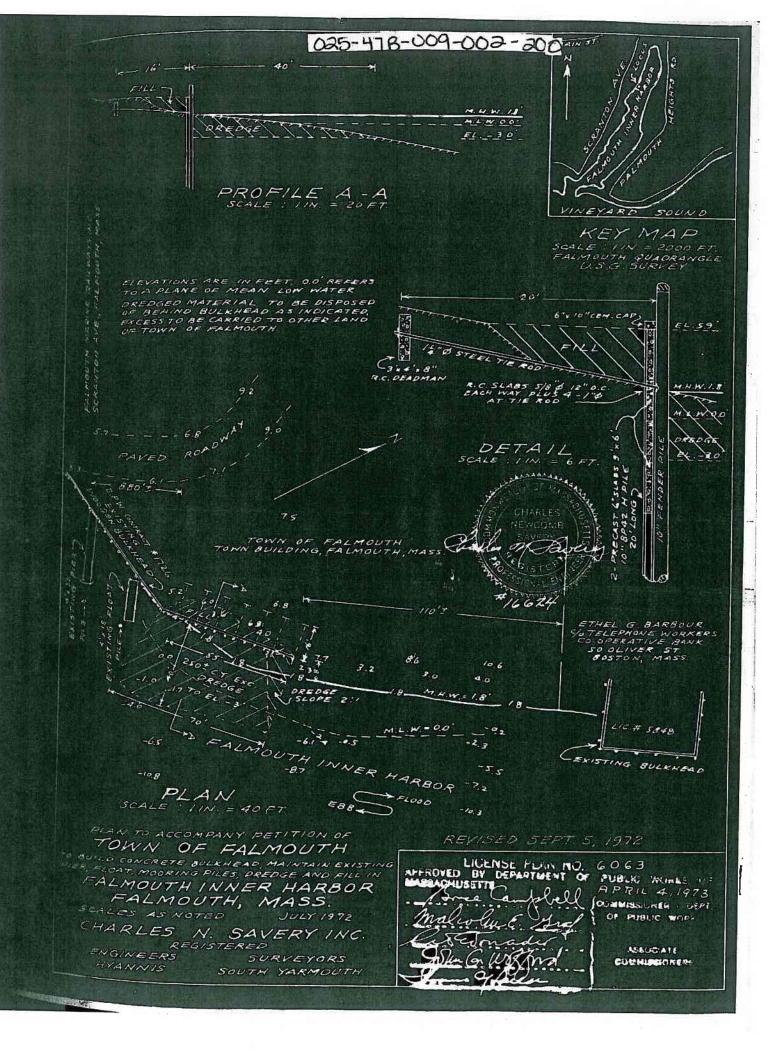
NUCCI VINE ASSOCIATES, INC.

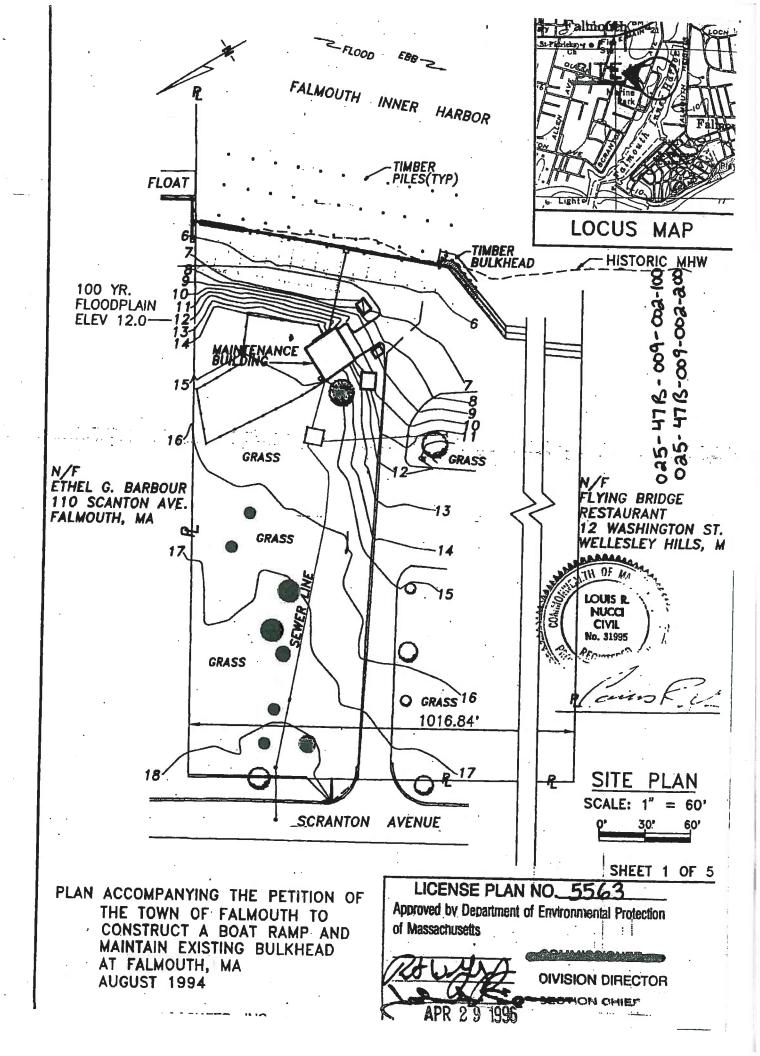


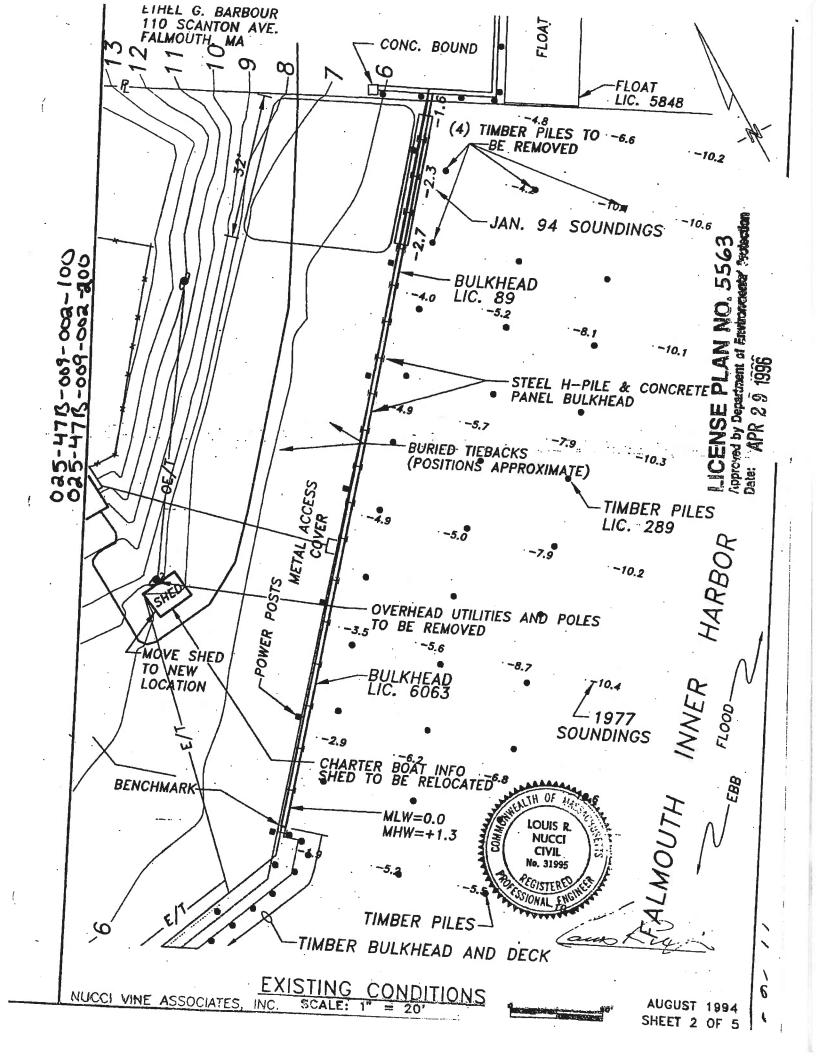
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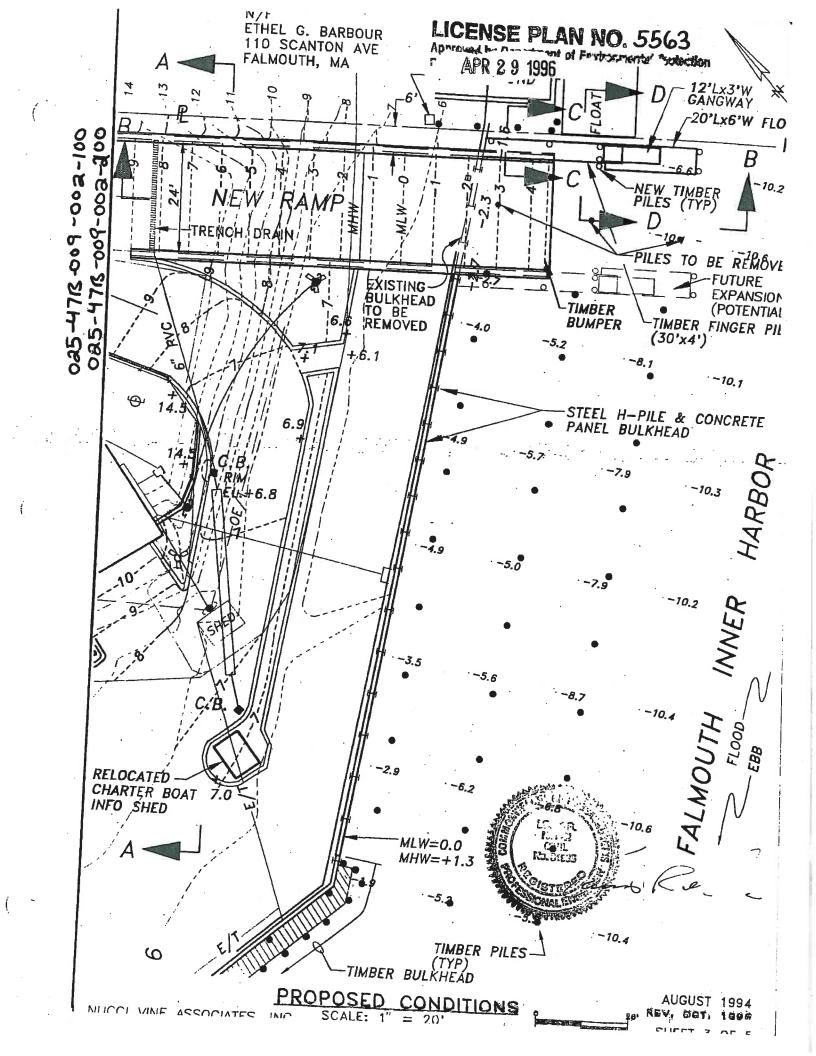


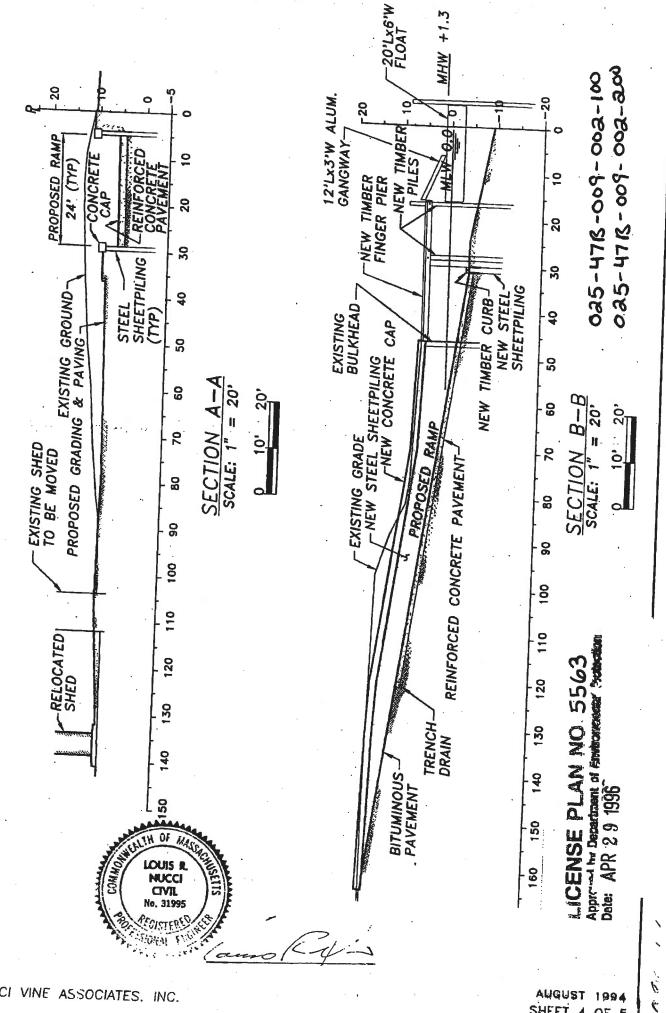






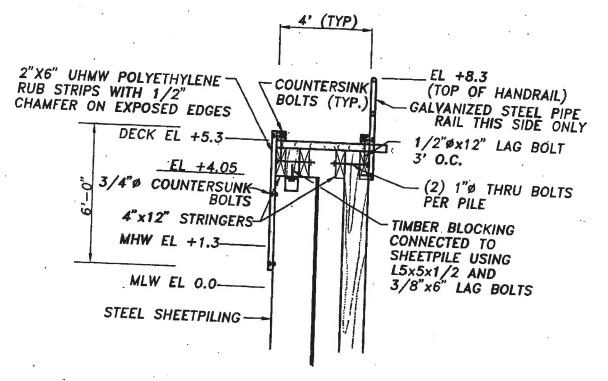


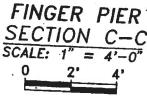




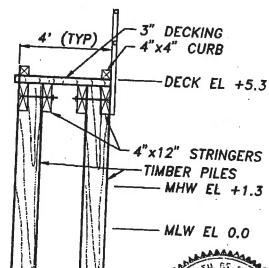
NUCCI VINE ASSOCIATES. INC.

AUGUST SHFFT A OF





025-47B-009-002-100 025-47B-009-002-200

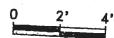


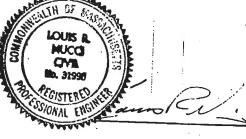
LICENSE PLAN NO. 5563

oproved by Department of Environmental "Substian

APR 2 9 1995

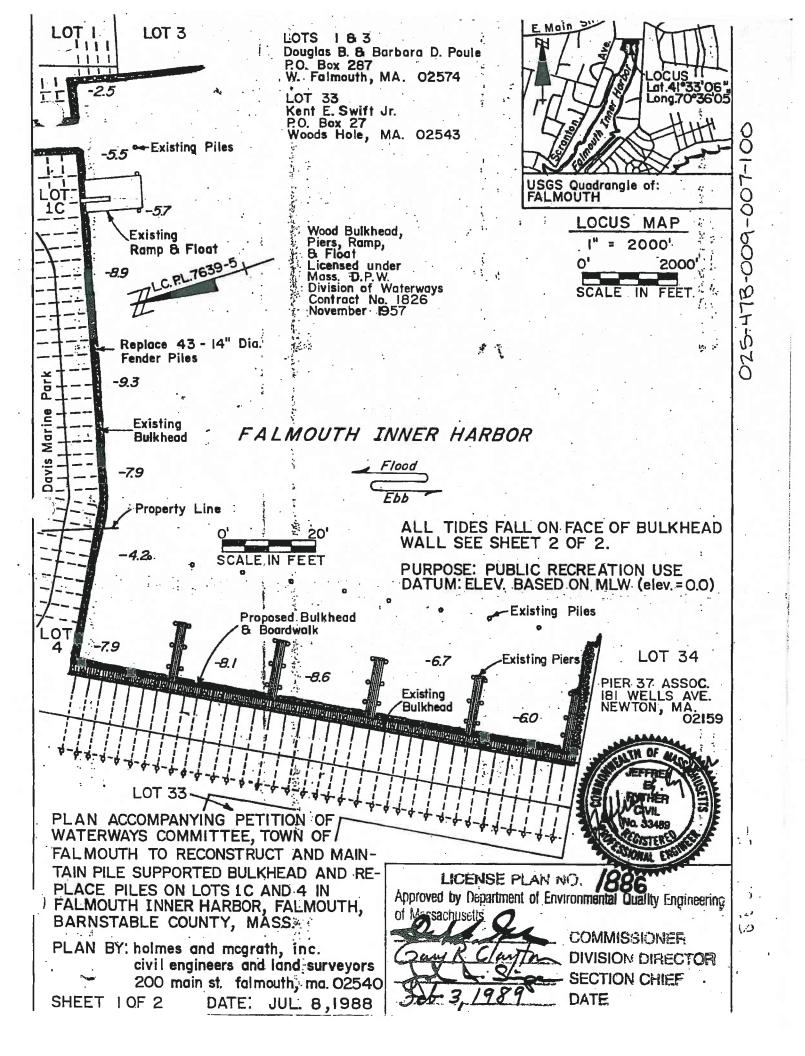
JGER PIER SECTION D-D SCALE: 1" = 4'-0"

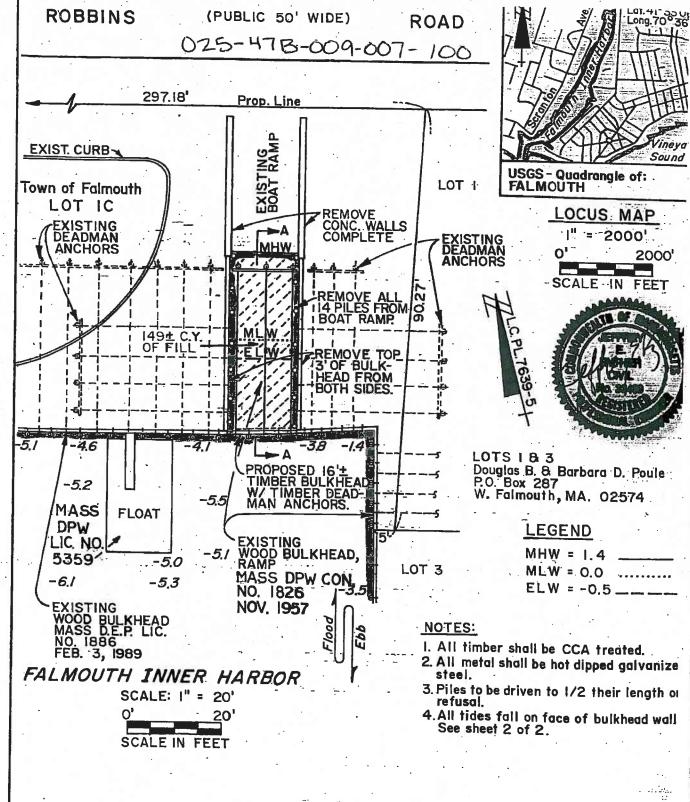




AUGUST 1994 SHEET 5 OF 5

NUCCI VINE ASSOCIATES, INC.





PLAN ACCOMPANYING PETITION OF THE WATERWAYS COMMITTEE, TOWN OF FALMOUTH TO CONSTRUCT AND MAINTAIN PILE SUPPORTED BULKHEAD AND ABANDON EXISTING BOAT RAMP ON LOT IC. IN FALMOUTH INNER HARBOR, FALMOUTH, BARNSTABLE COUNTY, MASS. PLAN BY: holmes and magrath, inc.

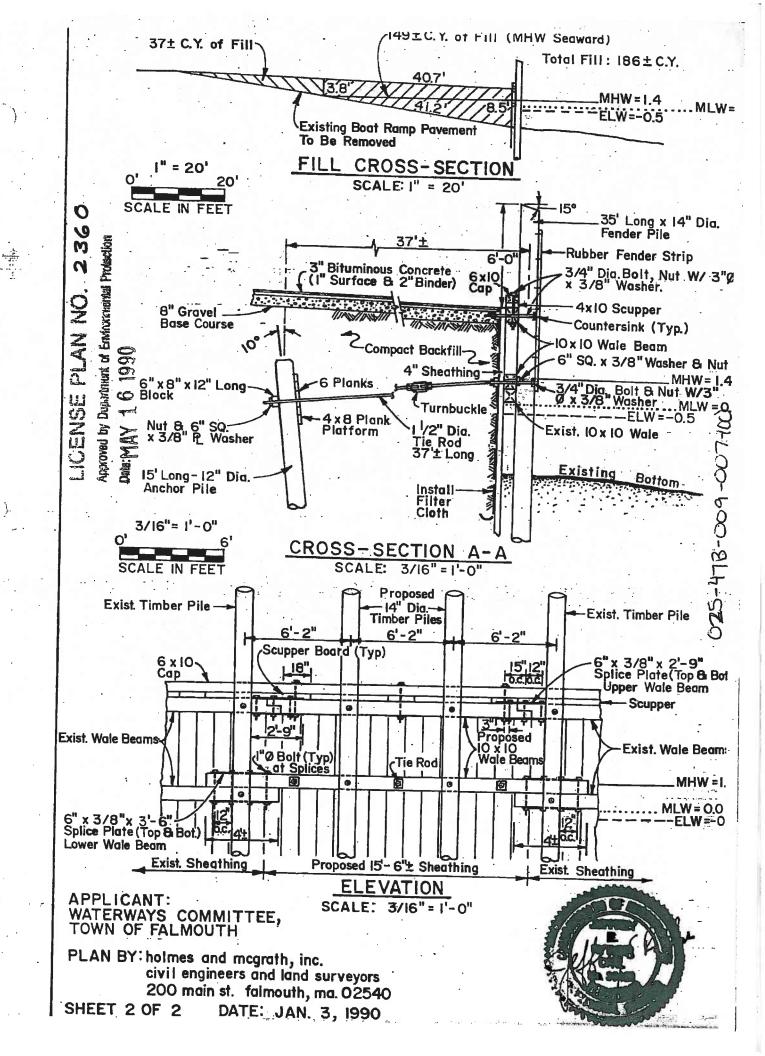
civil engineers and land surveyors 200 main st. falmouth, ma. 02540

I OF 2 DATE LIAN 3 1990 PURPOSE: PUBLIC RECREATION USE DATUM: ELEV. BASED ON MLW (elev. = 0.0

LICENSE PLAN AND 2360

Approved by Decartment of Environmental Protection

COMMISSIONER



LOCATION: CONCORD, MA DATE OF RESEARCH: AUGUST 2007

SOURCE: US ACOE

TOWN: FALMOUTH

Description Breakwater Groins Grains Groins Jetties Jettles Jetties Jetties Groins Jetties Jeffy Jettles Jetties Jeffy Jetty West Falmouth Harbor Old Silver Beach Old Silver Beach Megansett Harbor Megansett harbor Old Silver Beach Megansett Harbo≀ Bournes Pond Green Pond Bournes Pond Green Pond Green Pond Green Pond Siders Pond Siders Pond Salt Pond Sheets ~-_ 8 7 _ Proposed Groins and Sand Fill - Old Silver Beach - Herring River - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Herring River - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division Proposed Groins and Sand Fill - Old Silver Beach -Herring River - Falmouth, Massachusetts -Prepared for the DPW of Massachusetts - Division Megansett Harbor - Falmouth, Massaschusetts - Prepared for the DPVV of Massachusetts - Division Megansett Harbor - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division Proposed Jetty Constructiona nd Repairs -Megansett Harbor - Falmouth, Massachusetts -Prepared for the DPW of Massachusetts - Division Proposed Stone Jettles and Dredging Green Pond - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways of Waterways Proposed Stone Breakwater - West Falmouth Hartor - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Proposed Jetty Extension and Excavation - Green Pond - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Proposed Drainage Improvements, Extension of Jettles at Fresh River - Outlet of Siders Pond - Falmouth, Massachusetts - Prepared for the DPW Jetties - Fresh River - Outlet of Siders Pond -Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Stone Jettles in Vineyard Sound -Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways roposed Groins and Sand Fill - Old Silver Beach Proposed Jetty Extension and Excavation - Greer Proposed Relocation of Inlet at Bounres Pond Town of Falmouth - Prepared for the DPW of
Massedhusetts - Division of Waterways
Proposed Relocation of Inlet at Bounes Pond Town of Falmouth - Prepared for the DPW of
Massachusetts - Division of Waterways Proposed Dralnage Improvements - Extension of Waterways
Proposed Stone Jetties and Dredging - Green
Pond - Falmouth, Massachusetts - Prepared for
the DPW of Massachusetts - Division of Pond - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Proposed Dredging and Jetty Construction Waterways Proposed Jetty Construction and Repairs of Massachusetts - Division of Waterways of Waterway November 1951 November 195' August 1949 October 1959 October 1959 January 1948 January 1948 Janaury 1948 May 1958 May 1952 May 1961 May 1961 May 1961 May 1958 1980 1980 Date 틸 July Municipality Falmouth USACE USACE USACE USACE USACE Entity USACE Contract/ Drawing Number 61-173 61-173 61-173 58-217 52-144 49-161 58-217 59-288 51-202 59-288 51-202 85-054 85-054 48-15 65-70 65-70 025-013-011-062-200-COE2A 025-014-017-001-100-COE1A 025-013-011-062-300-COE3A 025-013-021-000-200-COE2A 025-02A-011-001-100-COE1A 025-02A-011-001-200-COE2A 025-02A-011-001-200-COE2B 025-045-008-000-100-COE1A 025-047-007-000E-100-COE1A 025-045-008-000-100-COE1B 025-045-008-000-200-COE2A 025-045-008-000-200-COE2B 025-045-020-002-500-COE5A 025-047-007-000E-200-COE2A 025-047-007-026-100-COE1A 025-045-020-002-600-COE6A Document No 025-013-011-062-200 025-013-011-062-300 025-013-021-000-200 025-02A-011-001-100 025-047-007-000E-100 025-014-017-001-100 025-02A-011-001-200 025-02A-011-001-200 025-045-008-000-100 025-047-007-000E-200 025-045-008-000-100 025-045-008-000-200 025-045-008-000-200 025-045-020-002-500 025-045-020-002-600 025-047-007-026-100 BCE Structure No

LOCATION: CONCORD, MA DATE OF RESEARCH: AUGUST 2007

TOWN: FALMOUTH SOURCE: US ACOE

Existing Groins Stone Mound Description Jetties Bulkhead Groins Bulkhead Jettles Groins Jettles Groins Groins Jetty Jetty West Falmouth Harbor Falmouth Inner Harbor Menauhant Road Menauhant Road Menauhant Road Central Avenue Oyster Pond Wild Harbor Wild Harbor Oyster Pond Wild Harbo Wild Harbo Location Salt Pond Salt Pond Eel Pond τ-8 8 7 _ 2 N 7 _ Proposed Mound and Excavation - Silver Beach Avenue - Wild Harbor - Falmouth, Massachusetts -Prepared for the DPW of Massachusetts - Division Proposed Stone Jetties in Vineyard Sound -Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways of Waterways
Proposed Stone Jetties - Wild Harbor - Falmouth,
Prasachusetts - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division Proposed Jetty Construction - New Silver Beach - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Silver Beach - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division Proposed Stone Jettles in Vineyard Sound -Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Stone Jettles In Vineyard Sound at Menauhant Shore - Falmouth, Massachusetts -Prepared for the DPW of Massachusetts - Division Proposed Sand Fill for Shore Improvements - New Plan Accompanying Petition of Town of Falmouth, Massachusetts DPW for the Dreaging of Trunk River and the Reconstruction and Maintaining Stone Grolns in Vineyard Sound Proposed Bulkhead - Falmouth Inner harbor - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Plan Accompanying Petition of Town of Falmouth, Massachusetts DPW for the Dredging of Trunk River and the Reconstruction and Maintaining Falmouth Harbor at Falmouth, County of Barnstable, Massachusetts - Application by Town Proposed Shore Protection - Eel Pond - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways Proposed Stone Groins and Sand Fill - Maravista Proposed Stone Groins and Sand Fill - Maravista Massachusetts - Division of Waterways Proposed Stone Groins and Sand Fill - Maravista Massachusetts - Prepared for the DPW of Shore - Vineyard Sound - Falmouth, Massachusetts - Prepared for the DPW of Shore - Vineyard Sound - Falmouth, Massachusetts - Prepared for the DPW of Proposed Pile and Timber Wharf in West Massachusetts - Division of Waterways Massachusetts - Division of Waterways Shore - Vineyard Sound - Falmouth, Stone Groins in Vineyard Sound of Waterways of Waterways of Falmouth September 1959 November 1999 November 1999 Nobember 1952 January 1948 December 1948 January 1953 January 1948 January 1953 July 1947 May 1953 1955 May 1955 1955 May 1955 Date July May Municipality Falmouth USACE USACE USACE USACE Entity USACE Contract/ Drawing Number 199903198 199903198 59-280 47-179 53-116 48-15 53-16 48-15 55-210 52-243 55-152 55-152 55-152 53-33 49-7 025-050-005-017A-100-COE1A 025-050-005-017A-200-COE2A 025-04A-041-000-100-COE1A 025-04A-043-000-100-COE1A 025-04A-043-000-100-COE1B 025-047-007-026-200-COE2A 025-04A-043-000-100-COE1C 025-40A-001-003A-100-COE1A 025-050-007-020-100-COE1A 025-46B-002-000D-100-COE1A 025-24A-011-005-100-COE1A 025-46A-002-000-100-COE1A 025-40A-017-001-200-COE2A 025-46A-002-000-200-COE2A 025-46A-002-000-500-COE5A Document No 025-050-005-017A-100 025-047-007-026-200 025-04A-041-000-100 025-04A-043-000-100 025-050-005-017A-200 025-40A-001-003A-100 025-46B-002-000D-100 025-04A-043-000-100 025-04A-043-000-100 025-050-007-020-100 025-24A-011-005-100 025-40A-017-001-200 025-46A-002-000-100 025-46A-002-000-200 025-46A-002-000-500 BCE Structure No

TOWN: FALMOUTH
SOURCE: US ACOE
LOCATION: CONCORD, MA
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	Document No	Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
025-47B-009-002-100	025-47B-009-002-100-COE1A	57-149	USACE	Falmouth	March 1957	Proposed Bulkhead and Finger Piers and Dredging - Falmouth Inner Harbor - Prepared for the DPW of Massachusetts - Division of Waterways	-	Falmouth Inner Harbor	Bulkhead
025-47B-009-002-200	025-47B-009-002-200-COE2A	73-163	USACE	Falmouth	July 1972	Plans to Accompany Petition of Town of Falmouth to Build a Concrete Bulkhead, Dredge and Fill in Falmouth Inner Harbor - Bamstable County - Massachusetts	-	Falmouth Inner Harbor	Concrete Bulkhead
025-47B-009-002-200	025-47B-009-002-200-COE2B	75-270	USACE	Falmouth	January 1975	Dredge and Construct Concrete Buikhead and Ramp - Falmouth Inner Harbor - Falmouth, Barnstable County, Massachusetts - Application by Town of Falmouth	77	Falmouth Inner Harbor	Concrete Bulkhead
025-478-009-007-100	025-47B-009-007-100-COE1A	58-78	USACE	Falmouth	January 1958	Proposed Bulkhead, Plers, Ramp, Excavation in Davis Marine Park - Falmouth Inner Harbor - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Division of Waterways	ю	Falmouth Inner Harbor	Bulkhead
025-47B-009-007-100	025-47B-009-007-100-COE1B	N/A	USACE	Falmouth	January 1990	Proposed Plan to Abandon Boat Ramp, Construct Wood Bulkhead and Fill in Falmouth Inner Harbor at Falmouth, Barnstable County, Massachusetts - Prepared for the DPW of Massachusetts - Division of Walerways	т	Falmouth Inner Harbor	Bulkhead
025-49A-006-039-100	025-49A-006-039-100-COE1A	55-70	USACE	Falmouth	March 1955	Proposed Stone Groins and Sand Fill - Woods hole Beach - Buzzatds Bay - Falmouth, Massachusetts - Prepared for the DPW of Massachusetts - Propision of Waterways	-	Woods Hole Beach	Grain

025-013-011-062-200 025-013-011-062-300 025-013-021-000-200 SECTION BB SEE NOTS' FOR GLOPES ARTIAL PROFILE GROIN NO.3 BORLEO S"EXISTING WALL (N NO.2.175) VARIES SAND FILL TO BL. TO E GROINS NO.1-2 5 SAND FILL ET-BOTH PROFILES PROPOSED GROINS - SAND FILL OLD SILVER BEACH ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO PLANE OF MEAN LOW WATER. MINUS FIGURES SHOW DEPTHS HERRING RIVER

DEPARTMENT DE PUBLIC WORKS DE MASSACHUSETTS

OIVISION DE WATERWAYS

MAY ~ 1961

P. L. L Q 21

BELOW THE SAME PLANE, APPROX. EXISTING SURFACE THUS ?

IN RED.

SIDE SLOPE AND ENDS FOR GROINS 1.5 TO 1.0 LOCATION OF PROPOSED WORK SHOWN

025-013-011-062-200 025-013-011-062-300 025-013-021-000-200 SECTION BB SEE NOTS' FOR SLOPES TIE STONE BRIDGE ABTMT. PARTIAL PROFILE GROIN NO.3 WALL SAND FILL T E GROINS NO. 1-2 5 SAND FILL T-BOTH PROFILES PROPOSED GROINS SAND FILL OLD SILVER BEACH ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO PLANE OF MEAN LOW WATER. MINUS FIGURES SHOW DEPTHS HERRING RIVER BELOW THE SAME PLANE. APPROX. EXISTING BURFACE THUS ? DEPARTMENT DE PUBLIC WORKS DE MASSACHUSETTS
OIVISION DE WATERWAYS SIDE SLOPE AND ENDS FOR GROINS 1.5 TO 1.0 LOCATION OF PROPOSED WORK SHOWN

MAY-1961

P. L. L B 21 . 1

IN RED.

025-013-011-062-300 025-013-021-000-200 SECTION BB SEE NOTS TIE STONE BRIDGE ABYMT. PARTIAL PROFILE GROIN NO.3 TOP PL. B.O C. EXUSTING WALL VARIES HORICAN S. P. SCHOOL SAND FILL TO PL. TO E GROINS NO. 1-2 5 SAND FILL NOTE PROPOSED GROINS - SAND FILL OLD SILVER BEACH

ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO PLANE OF MEAN LOW WATER. MINUS FIGURES SHOW DEPTHS

SIDE SLOPE AND ENDS FOR GROINS 1.5 TO 1.0 LOCATION OF PROPOSED WORK SHOWN

BELOW THE SAME PLANE, APPROX. EXISTING BURFACE THUS?

IN RED.

025-013-011-062-200

HERRING RIVER

DEPARTMENT DE PUBLIC WORKS DE MASSACHUSETTS
OIVISION DE WATERWAYS

P.L. La M.

MAY-1961

025-014-017-001-100 SLAND SEE U.S. GEOL SURVEY WOODS HOLL QUARRAGE. CHAPPAQUOIT PLAN 1:4000 SECTION. SCALE FEET PROFILE PROPOSED STONE BREAKWATER WEST FALMOUTH HARBOR FALMOUTH - NIA
AMELICATION BY
PARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
1989

EXALL II TURE
NATERWAYS FRIGINELY

0.03 025-02A-011-00 1-100 024-011-001-200 PROPOSED SECTION 88 SECTION AA SCALES-FEET-BOTH SECTIONS STONES AT EXISTING JETTY ENDS TO BE IN-"CORPORATED INTO NEW CONNECTION STONES PROFILE SCALE - FEET LOCATION MAP 1 : 20,000 SEE U.S.C.& G.S. CHART NO.25/ TONIBE ALMOUT ROA, PLAN -100 NOTE ELEVATIONS ARE IN FEET AND TENTHS PROPOSED JETTY

ELEVATIONS ARE IN PEET AND TENTHS
AND REFER TO PLANE OF MEAN LOW
WATER. MINUS FIGURES SHOW DEPTHS
BELOW SAME PLANE,
APPROX. EXISTING GROUND THUS TETTITED
ALL SIDE SLOPES ARE 1.5 TO 1.0
LOCATION OF PROPOSED WORK SHOWN
IN REO.

PROPOSED JETTY
CONSTRUCTION TO REPAIRS
MEGANSETT HARBOR
FALMOUTH - MASS.

APPLICATION BY
DEPARTMENTS PUBLIC WORKS MASSAC YUSETTS
DIVISION - WATERWAYS

MAY - 1958

TLLR W. Y

025-02A-011-001-2 OWNERS OWNERS

O TOWN OF PACHOUSH

OF MARCE ME HALL

MORTH PALMOUTH, MASS

SENDINGULO S. CRUCKER

17 MONAMO TER, BROFTOM MASS

SIJULIUS R & HILLENE ADEAULINGTR

40 CAST BORD. ST., NEW YORK, N.Y.

60 ORYID N. TAFT

OANTON, MASS.

OI MILLIAM M. RANDY

250 STUART ST. MOSTON, MASS.

(B) VIRGUMA TH. MOGO

MONTH SMITHFIELD, RHODE ISLAND

(T) JANET G. FLLIS

324 SOUTH CUE ST., L. MAR., ONTO

JOCKESTER W. LATIMER

6 GLABERT PLACE,

MEST ORANGE, NEW JERSEY HARBOR MEGANSETT COCUS . HARBOR WEST GRANGE, NEW JERSEY (II) JEANETTE D. CAOY 1886 BEACON ST. WARRN, 1885S. EXISTING JET 41.59 SEE U.S. GEOL, SURVEY OMBET & POCASSET QUADRANGLES EXISTING VARIABLE. 雅一成其湯湯将在水湯の名のある。 すって EXISTING ebad of Lance, of the All Charges Salte of League CLEV. C.O. SECTION A-A - 1.2 -5'F -42 #15.7.2C . 8.0 FLEV. -7.03 1 PLAN SCALE . PEET 2000 SECTION 8-8 HOR. MOTE

AREA SMOWN MATCHED IN RED TO BE DREDSED TO A DEPTH OF G
FEET AT MEAN LOW WATER, AMOUNT OF MATERIAL TO BE
REMOVED APPROXIMATELY IB, GOO, GU. YOS, MATERIAL IS TO BE
DREDSED BY THE HYDRAULIC METHOD AND TO BE DISPOSED OF
PROPSED JETTY AND PORTION OF EXISTING JETTY TO BE REMOVED
SOUNDINGS ARE IN FEET AND TENTHS AND SHOW DEPTHS
BELOW THE PLANE JE MEAN LOW WATER, MINUS FIGURES SHOW
ELEVATIONS ABOVE THE SAME PLANE. **350**, 50 64.-8.0 400 81 .004 TOP OF FILL S FILL OF PRINCIPLE AND AND THE CONTRACT OF THE PRINCIPLE OF THE PR PROFILE OF PROPOSED JETTY 5 EL. . 6.0 Pa . SCALL - FEET NOR. VERT. 1 1/15 FL. FR. PROPOSED DREOGING & JETTY CONSTRUCTION MEGANSETT HARBOR FALMOUTH - MASS. FALMOUTH - MASS.

APPLICATION BY

DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS

DIVISION OF WATERWAYS

MAY 1952

OISTERST WATERWAYS EMPINIES - J EL. 2.07 TYPICAL SECTION

CARD LIV.

1227

8 0 3 025-02A-011-00 1-100 02A-011-001-200 PROPOSED : 64,6.0 M. H.W HARBOR PLACE GROUP PLACE GROUP SECTION AA PROFILE /"= 30' LOCATION MAP SEE U.S.C.82G.S. CHART NO.25/ 'A') TOWN 43 ALMOUTH (PARKINO)

> PLAN. 1"= 100

NOTE ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO PLANE OF MEAN LOW WATER, MINUS FIGURES SHOW DEPTHS BELOW SAME PLANE. APPROX. EXISTING GROUND THUS THE ALL SIDE SLOPES ARE 1.5 TO 1.0 LOCATION OF PROPOSED WORK SHOWN

IN RED.

PROPOSED JETTY CONSTRUCTION TO REPAIRS MEGANSETT HARBOR DEPARTMENTOS PUBLIC WORKS OF MASSAC YUSETTS DIVISIONO-WATERWAYS MAY - 1958 Robert B. M.

025-045-008-000-100 625-045-008-000-200 SHEET / OF NOTE AREA SHOWN IN RED TO BE ORGOGED TO A DEPTH OF S FEET AT MEAN LOW WATER, A MOUNT OF MATERIAL
TO BE REMOVED APPROXIMATELY 32,000 CUYARDS.
MATERIAL IS TO BE DREDGED BY THE HYDRAULIC
METHOD AND TO BE DISABSED OF ON THE ADJACENT SHORE,
BROVE MEAN WATER IN LOCATIONS ASSOCIATION. ABOVE MEAN HIGH WATER IN LOCATIONS APPROVED BY THE ENGINEER,
SOUNDINGS ARE IN FEET AND TENTHS AND SHOW
DEPTHS BELOW THE PLANE OF MEAN LOW WATER,
MINUS FIGURES SHOW ELEVATIONS ABOVE THE SAME
PLANE, CONC. DECK OF SOUND LOCATION MAP SCALE ~ FEET 1: 80000 SEE U.S.C. & G.S. GHART NO. 1209 62 118an 0.9 1.3 0,7 1.2 PLAN SCALE + FEET Mean Long 1:4000 SURVEY LINE PROPOSEO JET SEE ACC. OZ 905 PROPOSED STONE JETTIES & DREDGING GREEN POND GREEN POND FALMOUTH - MASS. NEYARD Ω 3.2 304110 39 DEPARTMENT . PUBLIC WORKS MASSACHUSETTS DIVISION OF WATERWAYS Event 1 Hos Pro-ACC.02905-A

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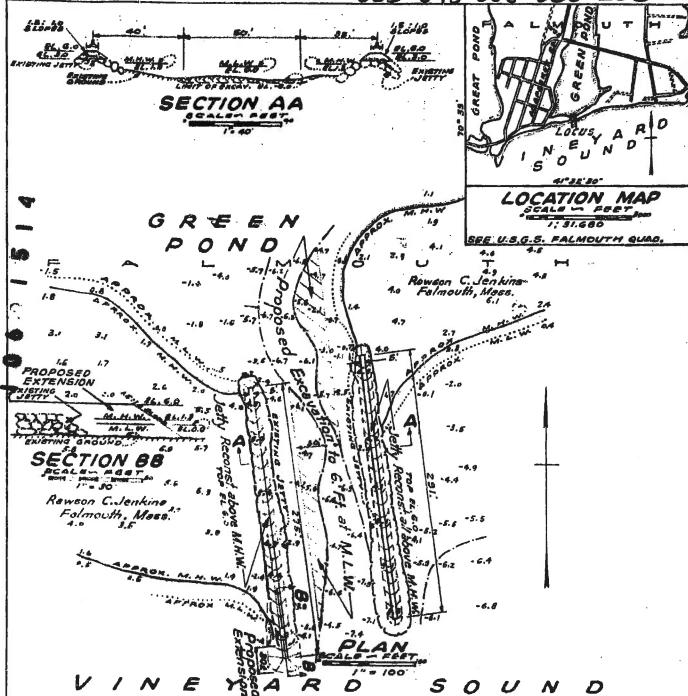
WIE 1/37 7/5

: 5 A. MASS. DEPARTMENT ** PUBLIC WORKS & MASSACHUSETTS DIVISION ** WATERWAYS A CADESKET LAND CO RAWSON CJENKINS, TR FALMOUTH, MASS. SECTION SECTION Ø なっつい SEE ACC. 02905-A) DONO PROPOSED PROPOSEÔ JETTIES Profile - proposed jetty extension NEYARD PROFILE - PROPOSED JETTIES SOFION PROPOSED JEHINGTON 1" 30 02 = .. 1 ACADESKET LAND CO. SCALESPORT 1:3000 PLAN DROPOSED JETTY 275 SCALE IN KCAVATION VERT HOR. FLEV. 6.0

ACC. 02905-8

0 8 1 _0 7 8 3

025-045-008-000-100



NOTE

ELEVATIONS ARE IN PEET AND TENTHE
AND REFER TO PLANE OF MEAN LOW
WATER, MINUS PIGURES SHOW DEPTHS
SELOW THE SAME PLANE.
EXCAVATED MATERIAL APPROX.EGOD C.Y.
TO SE DISPOSED OF ABOVE MEAN HIGH
WATER IN APPROVED LOCATION.
ATTINITION IS DIRECTED TO PACT THAT THE
ONLY NEW CONSTRUCTION SUBJECT TO THIS
PERMIT IS THE APPROX.3C PT. EXTENSION
SHOWN ON THE WESTERLY JETTY. OTHER
CONSTRUCTION IS REPAIR AND RAISING OF

PROPOSED
JETTY EXTENSION TEXCAVATION
GREEN POND
FALMOUTH -- MASS.

DI PARTMENTSE PUBLIC WORKS & MASSACHUSETTS

OIVISION OF WATERWAYS

OCTOBER - 1959

Robert B. Markennon

1.025-045-008-000-100 025-045-008-000-200 SHEET / OF NOTE AREA SHOWN IN RED TO BE OREDGED TO A DEPTH AREA SHOWN IN RED TO BE OREDUED TO A CENTH
OF S FEET AT MEAN LOW WATER. A MOUNT OF MATERIAL
TO BE REMOVED APPROXIMATELY 3,000 CUYAROS.
MATERIAL IS TO BE DREDGED BY THE HYDRAULIG
METHOD AND TO BE DISPOSED OF ON THE ADJACENT SHORE,
ABOVE MEAN HIGH WATER IN LOCATIONS APPROVED BY
THE ENERGE SOUNDINGS ARE IN FEET AND TENTHS AND SHOW DEPTHS BELOW THE PLANE OF MEAN LOW WATER, MINUS FIGURES SHOW ELEVATIONS ABOVE THE SAME PLANE. CONC. DECK M CONC. PILES SOUND LOCATION MAP Scale - Feet 1: 80000 SEE U.S.C. & G.S. GHART NO. 1209 1.2 0.9 0,7 1.2 PLAN 0.8 0.0 SCALE - FEET Mes 1:4000 :6 BURYEY LINE 949 BULSNOAD PROPOSEO JET SEE ACC. 02905 PROPOSED STONE JETTIES & DREDGING GREEN POND GREEN PONO
FALMOUTH - MASS.

APPLICATION B.

DEPARTMENT - PUBLIC WORKS - MASSACHUSETTS NEYARD 2.2 SOUND . 29 DIVISION OF WATERWAYS Excest 1) Has con-ACC.02905-A

2.5 END DEFIGE

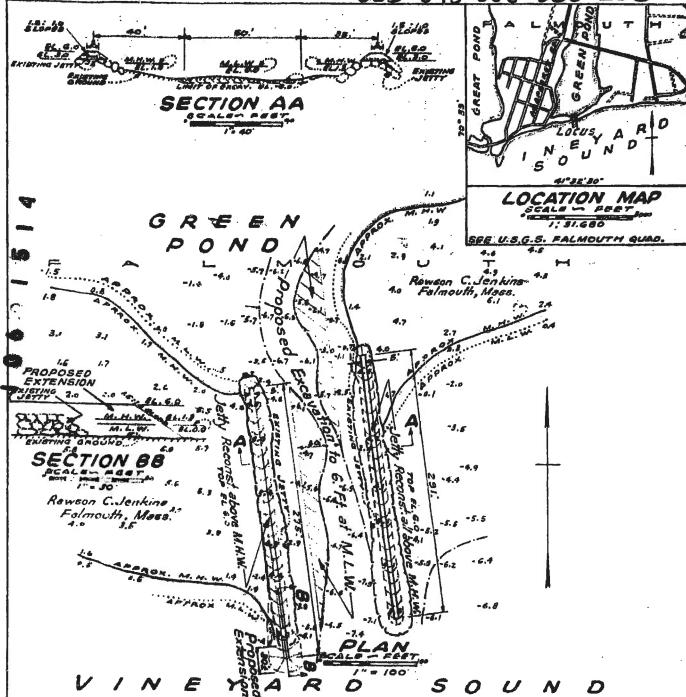
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MASS. DEPARTMENT ** PUBLIC WORKS ** MASSACHUSETTS DIVISION ** WATERWAYS A CAPESKET LAND CO RAWSON C.JENKINS, TR FALMOUTH, MASS. SECTION Ø いつつび (SEE ACC. 02905-A) DONO PROPOSED PROPOSEO JETTIES PROFILE - PROPOSED JETTY EXTENSION ンカアムカワ PROFILE - PROPOSED JETTIES SOTION PROPOSED JETY PERSON S 4"1 02 - .. GRE ACADESKET LAND CO. SCALENBER PLAN 1:3000 PROPOSED JETTY 275 SCALE IN VERE MOR. ELEV. 6.0

ACC. 02905-8

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025-045-008-000-100



NOTE
ELEVATIONS ARE IN PEET AND TENTHE
AND REFER TO PLANE OF MEAN LOW
WATER, MINUS EIGURES SHOW DEPTHS
SELOW THE SAME PLANE.
EXCAVATED MATERIAL APPROX.EGOD C.V.
TO BE DISPOSED OF ABOVE MEAN HIGH
WATER IN APPROVED LOCATION.
ATTENTION IS DIRECTED TO PACT THAT THE
ONLY NEW CONSTRUCTION SUBJECT TO THIS

ATTENTION IS DIRECTED TO PACT THAT THE ONLY NEW CONSTRUCTION SUBJECT TO THIS PERMIT IS THE APPRON, 30 FT, EXTENSION SHOWN ON THE WESTERLY JETTY, OTHER CONSTRUCTION IS REPAIR AND RAISING OF THE APPLICATION OF THE PROPERTY.

PROPOSED
JETTY EXTENSION PEXCAVATION
GREEN POND
FALMOUTH MASS

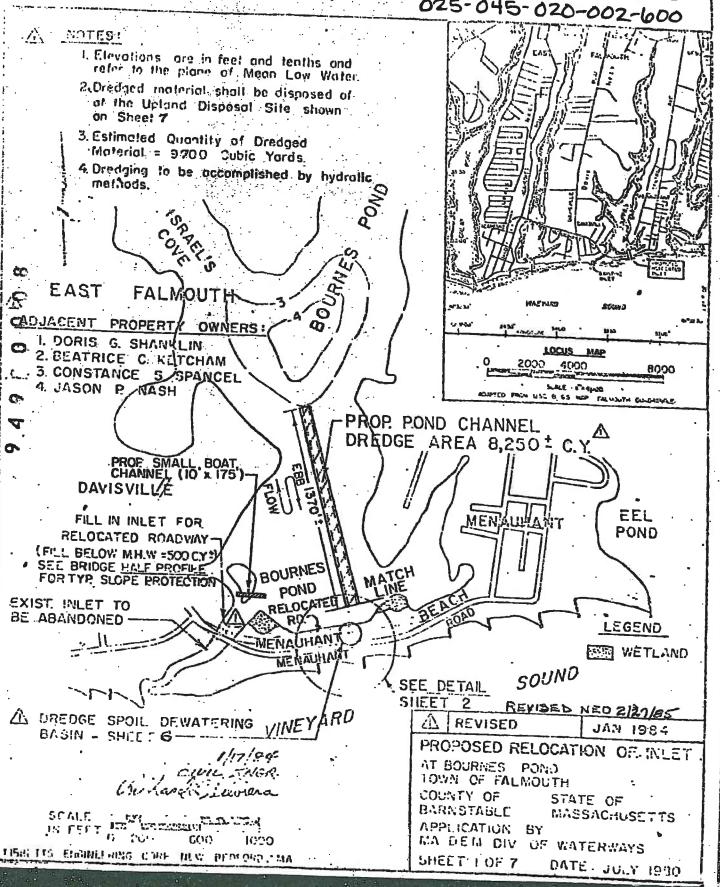
DI PARTNIENTE PUBLIC WORKS & MASSACHUSETTS

OLVISION OF WATERWAYS

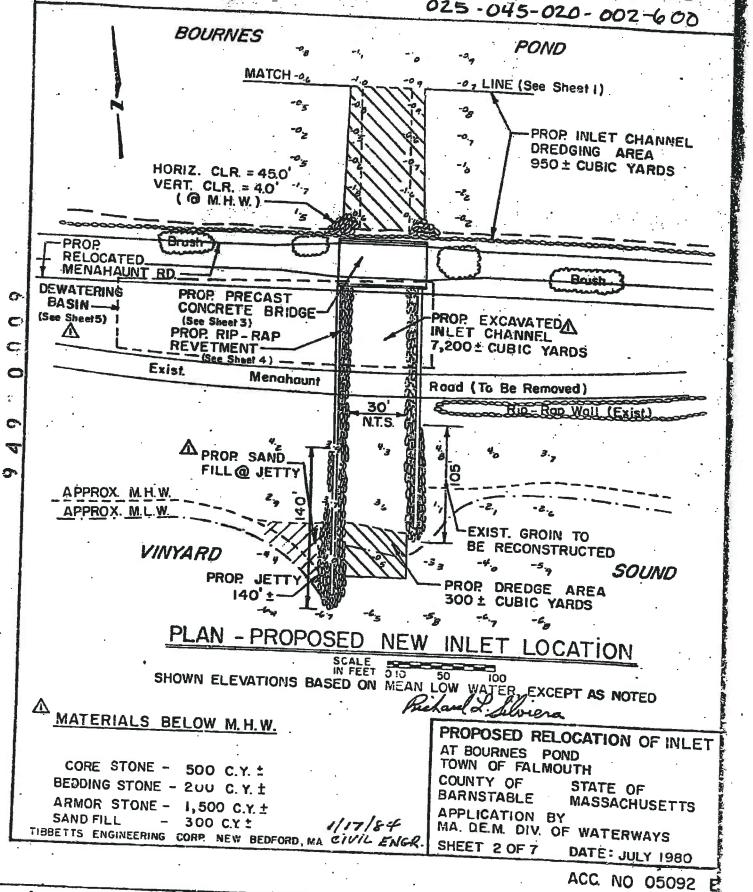
OCTOBER - 1959

Robert B. Markennon

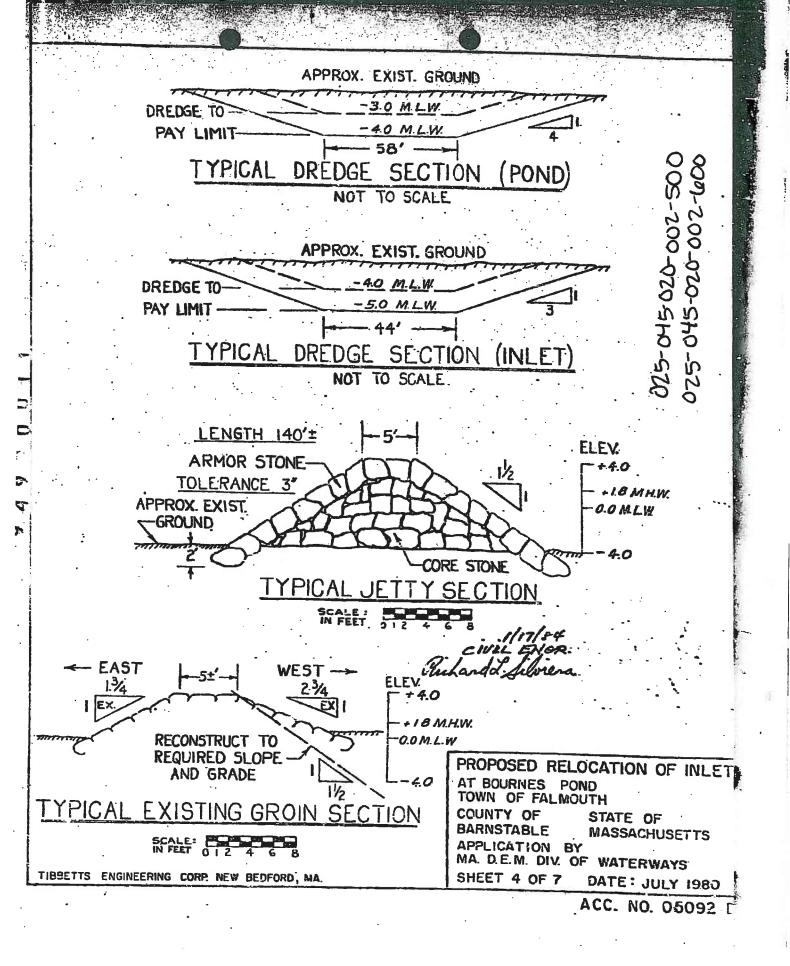
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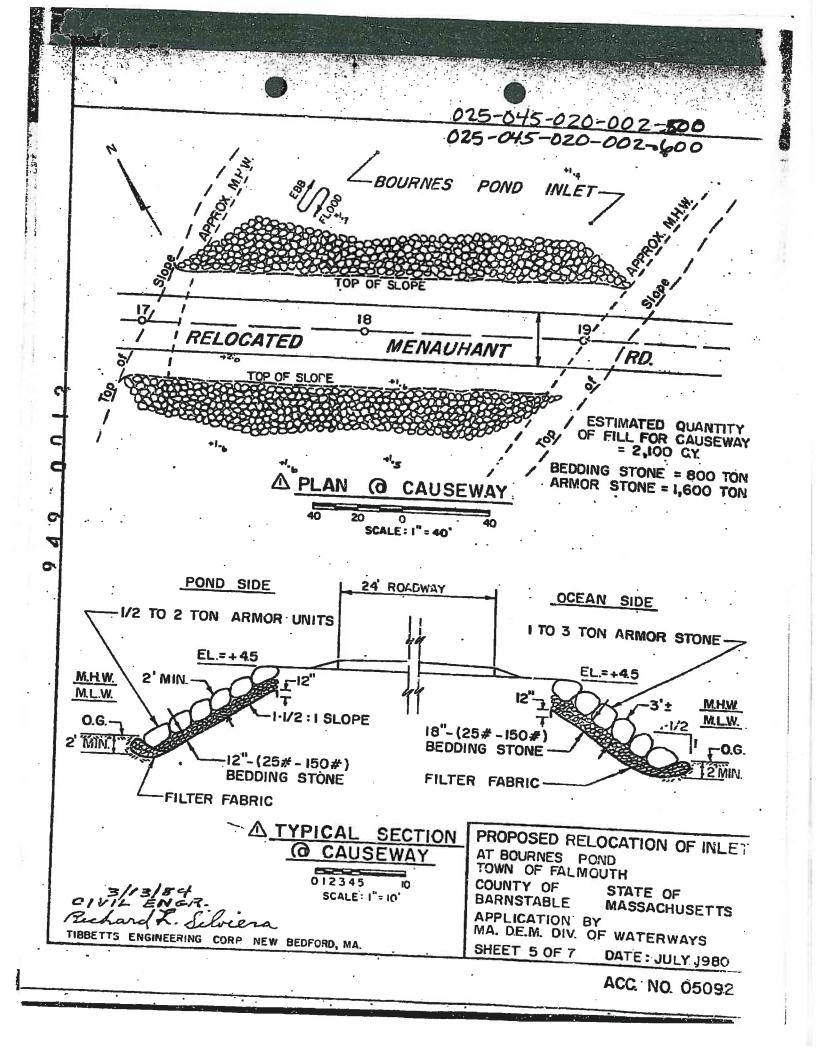


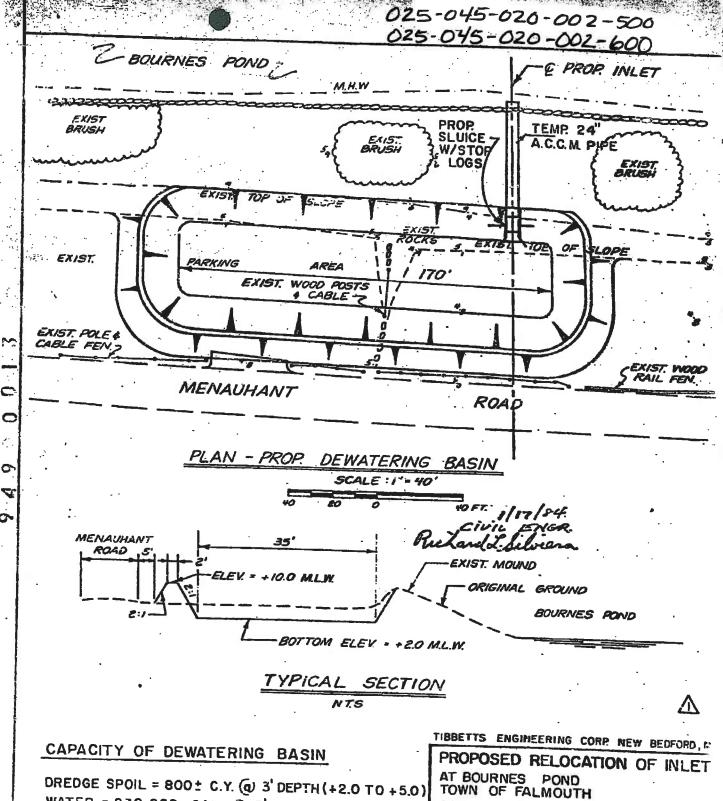
025-045-020-002-500



025-045-020-002-500 025-045-020-002-600 BEARING --34'- 0" 25'- 0" ROAD GRADE +7.5~ +5.5 MHW RIPRAP MLW V S' MEN. O 0.0 CHANNEL TIMBER BOTTOM PILES -LOMLW HALF PROFIL - 2.0 MLW SMALL BOAT CHANNEL PEET 0 12 345 N.T.S. (TOTAL DREDGE QTY = 65 CY.) 32' - 0" 5'- 8" r 12" BITUMINOUS CONCRETE WEARING SURFACE - 1/8"/1"SLOPE 7 8 - (HS 20 - 44 AASHO - PCI PRESTRESSED CONCRETE DECK BEAMS 21"- 48") TYPICAL DECK CROSS-SECTION SCALE IN FEET 0 1 2 3 4 5 BRG 1/17/84 CIVIL ENGR. Richard L. Silviera PROPOSED RELOCATION OF INLET AT BOURNES POND TOWN OF FALMOUTH SECTION THROUGH ABUTMENT COUNTY OF STATE OF BARNSTABLE MASSACHUSETTS SCALE MELTING OF SAS IC APPLICATION BY MA D.E.M. DIV. OF WATERWAYS TIBETTS ENGINEERING CORP NEW BEDFORD, MA 10 SHEET 3 OF 7 DATE: JULY 1980







WATER = 230,000 GAL. @ 3' DEPTH (+5.0 TO+80 APPROX.)

COUNTY OF BARNSTABLE

STATE OF

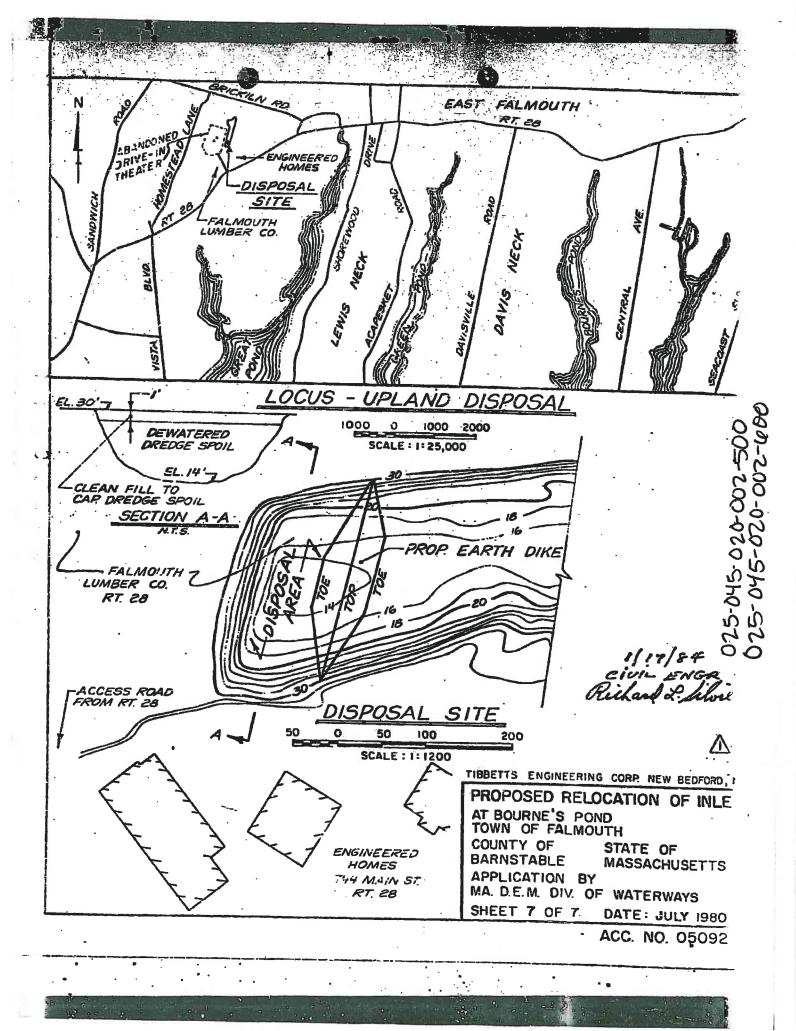
MASSACHUSETTS

APPLICATION BY MA. D.E.M. DIV. OF WATERWAYS

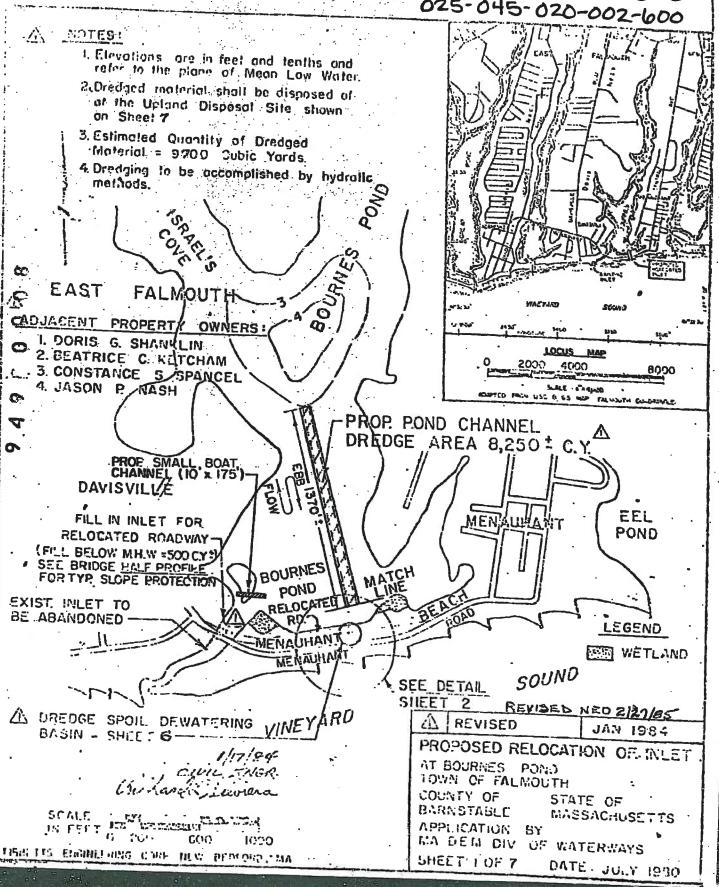
SHEET 6 OF 7

DATE: JULY 1980

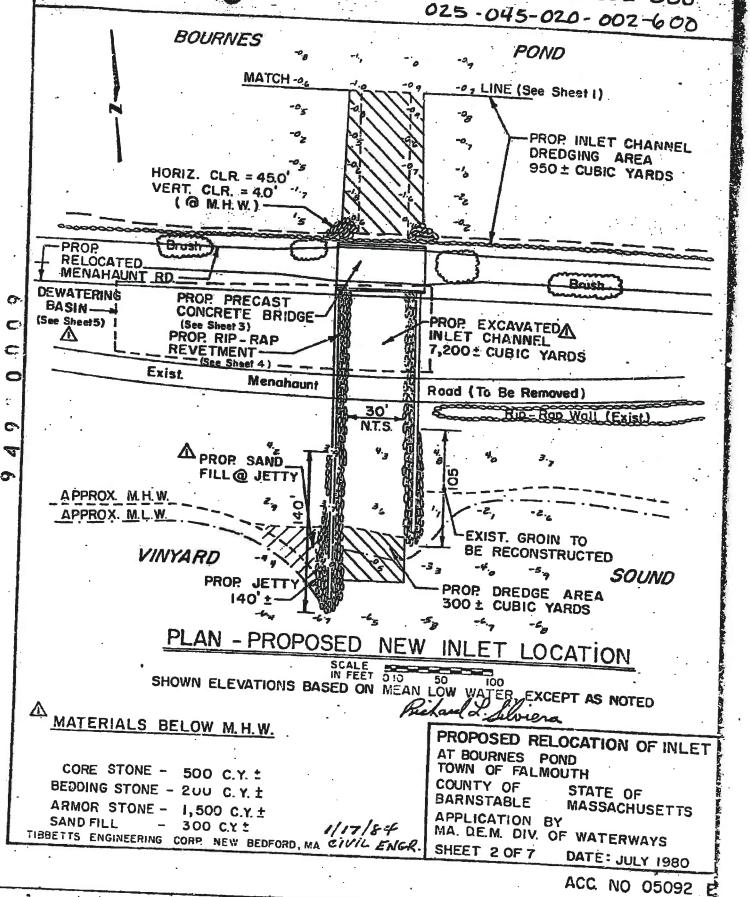
ACC. NO. 05092 F



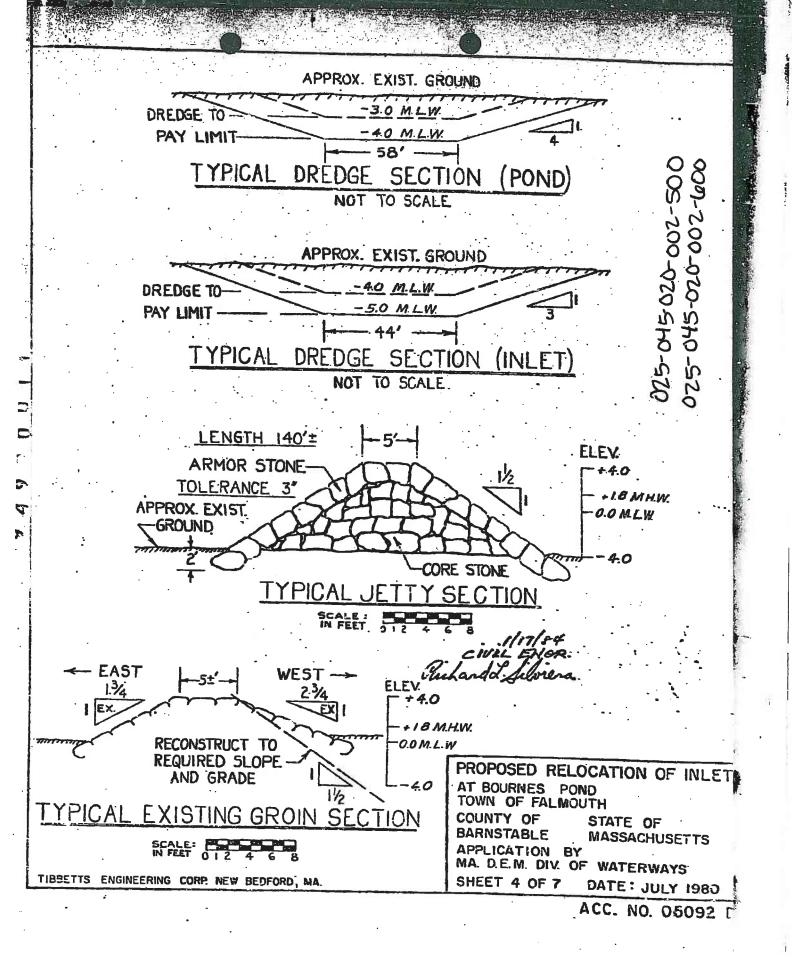
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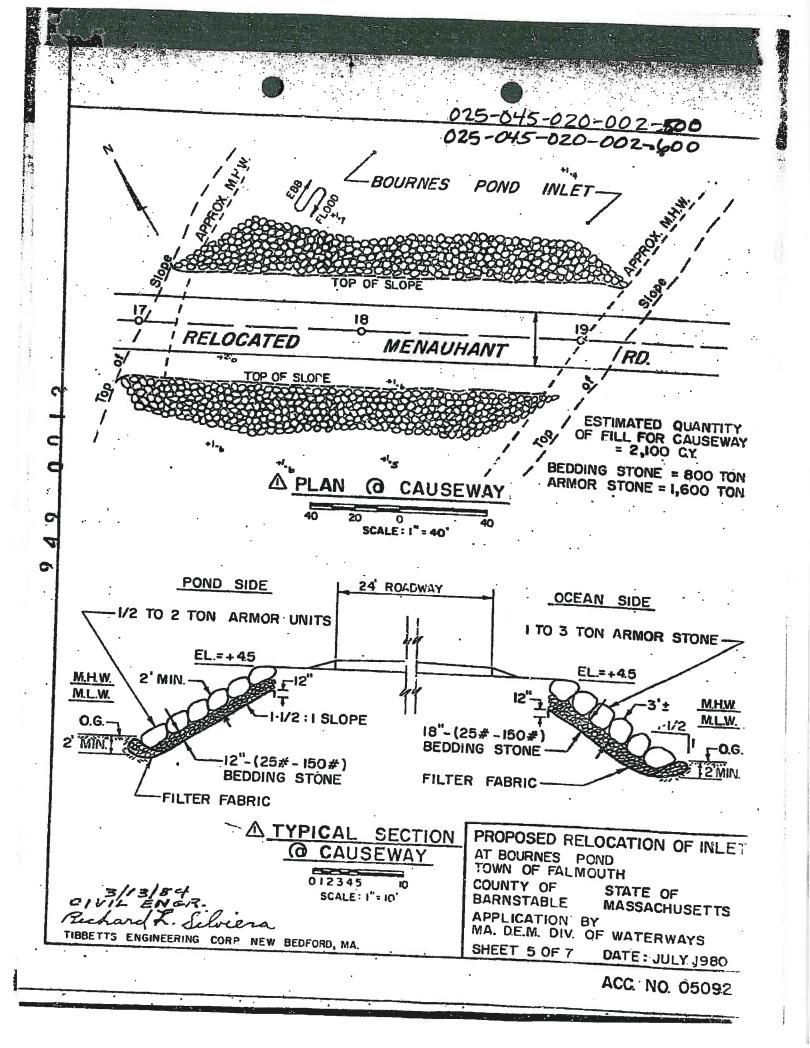


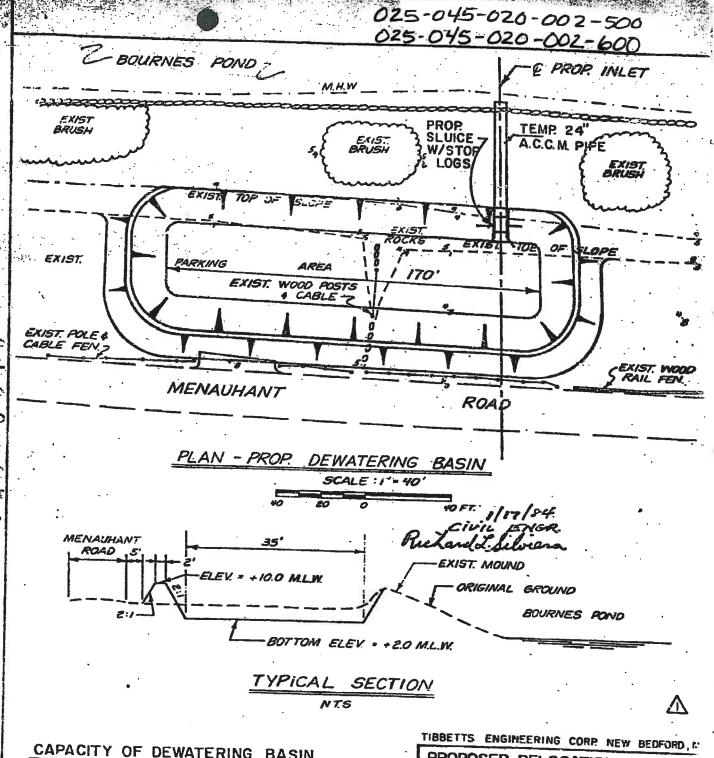
025-045-020-002-500



025-045-020-002-500 025-045-020-002-600 BEARING --34'- 0" 25'- 0" ROAD GRADE +7.5-MHW 7 TIFRIPRAP +1.8 MLW T S, MAN. O 0.0 CHANNEL TIMBER. BOTTOM PILES +IOMLW -LOMLW HALF PROFILE 20MLW SECTION SMALL BOAT CHANNEY FEET (TOTAL DREDGE QTY = 65 CY.) 32' - 0" 5'- B" ! BITUMINOUS CONCRETE WEARING SURFACE - 1/8"/1"SLOPE 8 - (HS 20 - 44 AASHO - PCI PRESTRESSED CONCRETE DECK BEAMS 21" - 48") TYPICAL DECK CROSS-SECTION SCALE IN FEET O 12 3 4 5 BRG 1/17/84 CIVIL ENGR. Richard L. Silviera PROPOSED RELOCATION OF INLET AT BOURNES POND TOWN OF FALMOUTH SECTION THROUGH ABUTMENT COUNTY OF STATE OF BARNSTABLE MASSACHUSETTS SCALE FISHER DATE OF THE PROPERTY OF THE PROPE APPLICATION BY MA D.E.M. DIV. OF WATERWAYS TIBBETTS ENGINEERING CORP NEW BEDFORD, MA SHEET 3 OF 7 DATE: JULY 1980







CAPACITY OF DEWATERING BASIN

DREDGE SPOIL = 800 + C.Y. (a) 3 DEPTH (+2.0 TO +5.0) WATER = 230,000 GAL. @ 3' DEPTH(+5.0 TO+80 APPROX.)

PROPOSED RELOCATION OF INLET

AT BOURNES POND TOWN OF FALMOUTH

COUNTY OF BARNSTABLE

STATE OF MASSACHUSETTS

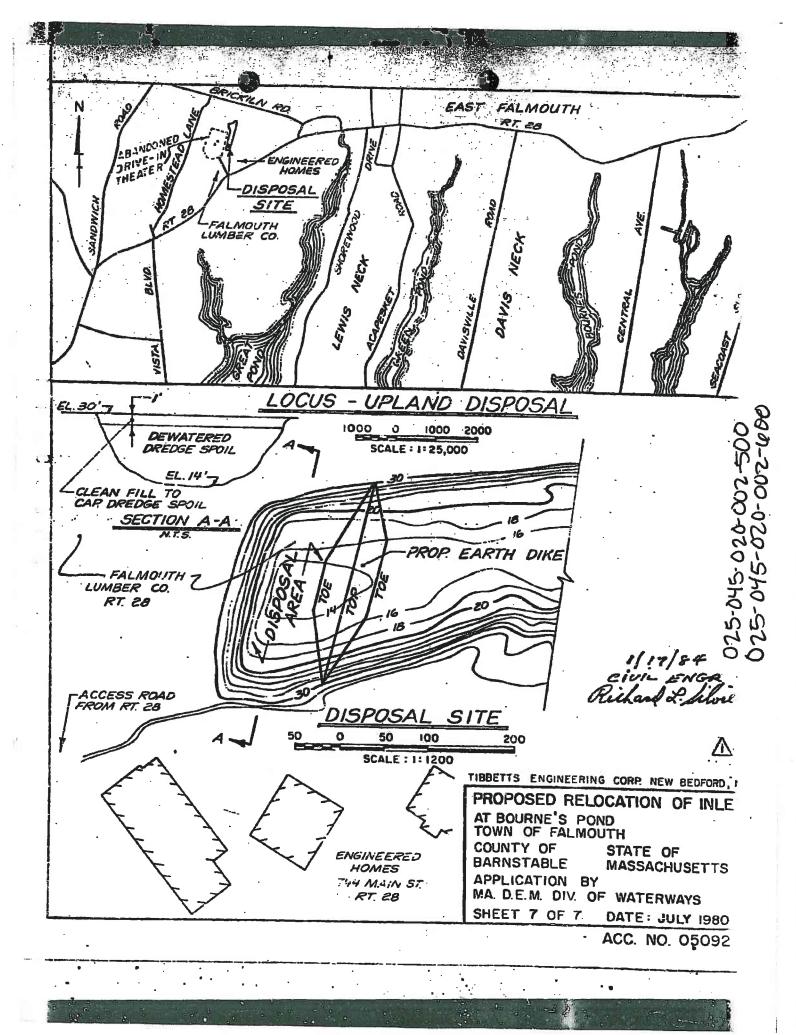
APPLICATION BY

MA. D.E.M. DIV. OF WATERWAYS

SHEET 6 OF 7

DATE: JULY 1980

ACC. NO. 05092 F



025-047-007-026-100 025-047-007-026-200 025-050-007-020-100

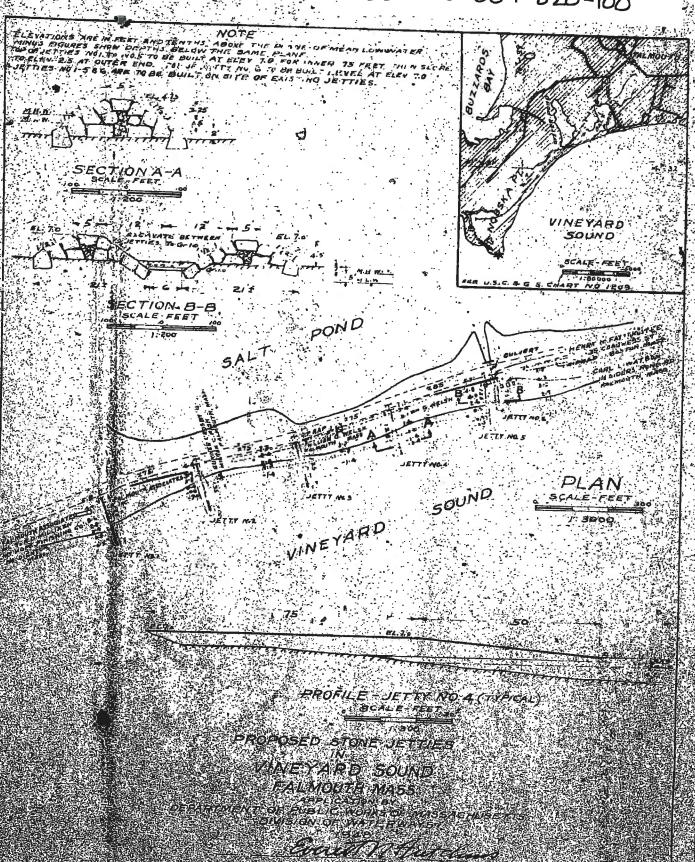
PERTHS BELOW THE SAME PLANF.

VOS TO BE BUILT AT ELEY TO FOR INNER TO FEET THIN SECRE.

RE TO BE BUILT ON BIFE OF ENIS 'NO JETTIES.

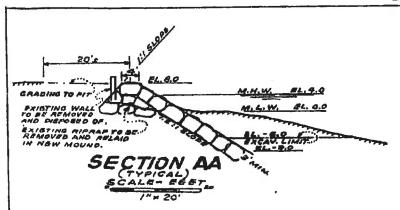
E. TO BE BUILT ON BIFE OF ENIS 'NO JETTIES. SECTION A-A INEYARD 50UND SCALE - FEE SECTION B-B POND PLAN SCALE-FEET VINEYAAD / 3000. PROFILE - JETTY NO 4 (TVFICAL) BCALE-FEET PROPOSED STONE JETULES VINEYARD SOUND FALMOUTH MASS Bear Marie Commence

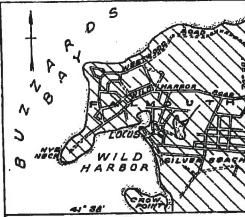
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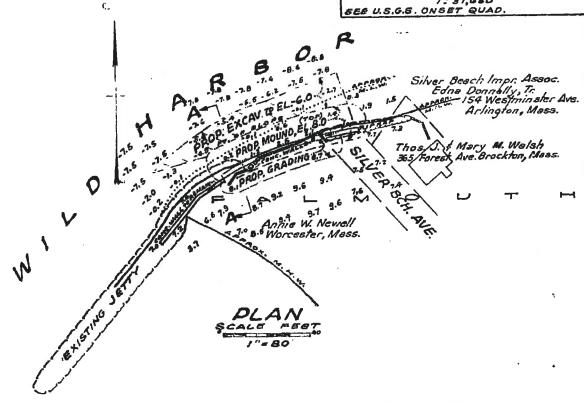
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025-04A-041-000-10C





LOCATION MAP SCALE PEET 1000 1:31,680 SEE U.S.G.S. ONSET QUAD.



NOTE
ELEVATIONS ARE IN FEET AND TENTHS
AND REFER TO PLANE OF MEAN LOW
WATER, MINUS FIGURES SHOW DEPTHS
BELOW THE SAME PLANE.
CONC. WALLE, EXISTING, ARE TO BE REMOVED EXCEPT AS MOTED.
GRADING BACK OF NEW MOUND TO BE
FITTED TO PRESENT BURFACE.
EXCAVATED MATERIAL, APPROX. 2600 C.Y.
TO BE DEPOSITED IN APPROVED LOCATION TO BE DEPOSITED IN APPROVED LOCATIONS ON TOWN PROPERTY ABOVE MEAN HIGH WATER EXISTING GROUND THUS: TTTPTTT LOCATION OF THE PROPOSED WORK IS SHOWN IN RED.

PROPOSED MOUND MEXCAVATION SILVER BEACH AVE. WILD HARBOR

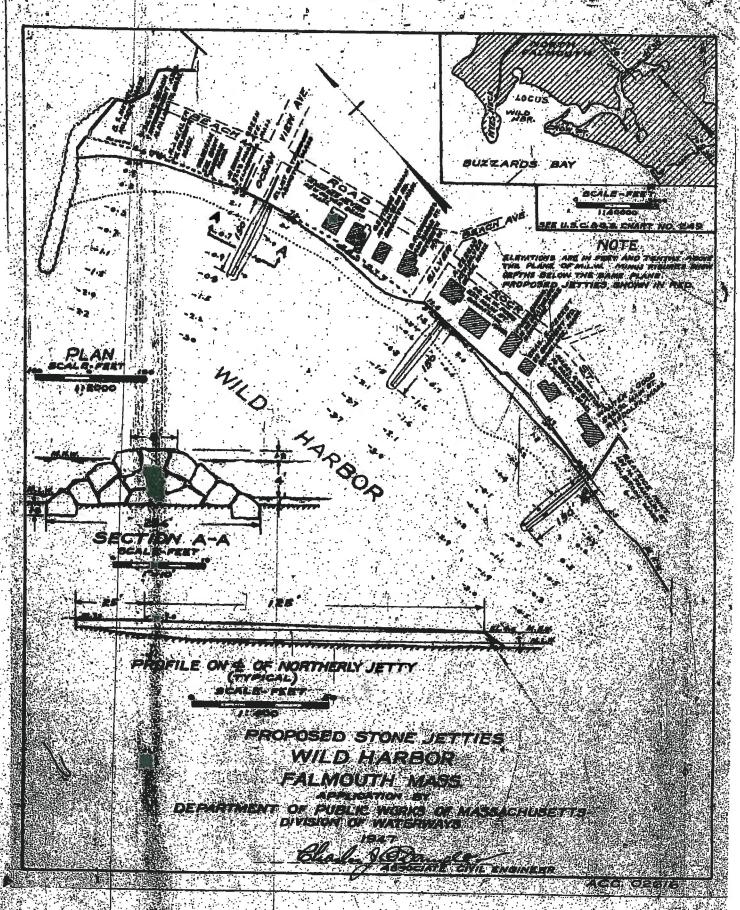
FALMOUTH - MASS. APPLICATION BY

DEPAPTMENTER PUBLIC WORKS DE MASSACHUSETTS DIVISION OF WATERWAYS SEPTEMBER-1959

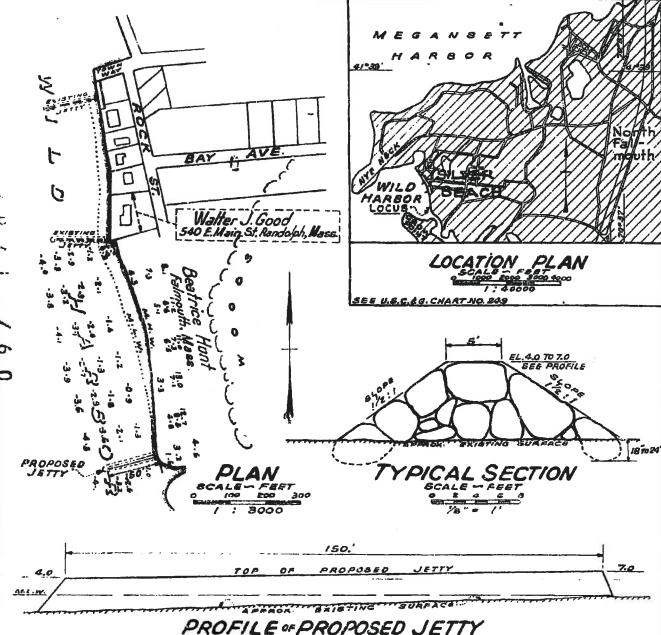
Kobert B. Mackinnon CHILE WATERWAYS ENGINEER

ACC. 04055

025-049-043-000-100



025-04A-043-000-100



PROFILE OF PROPOSED JETTY SCALE -- FEET

1: 300

PROPOSED JETTY CONSTRUCTION NEW SILVER BEACH FALMOUTH, MASS.

DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS

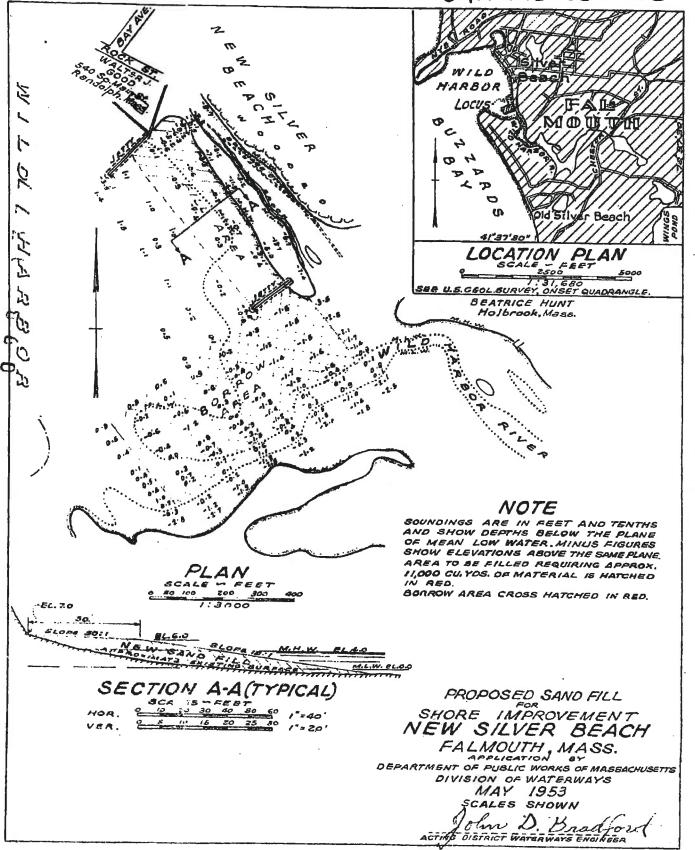
JANUARY 1953

KNOTHA ZIONA DISTAICT WATERWAYS ENGINEER.

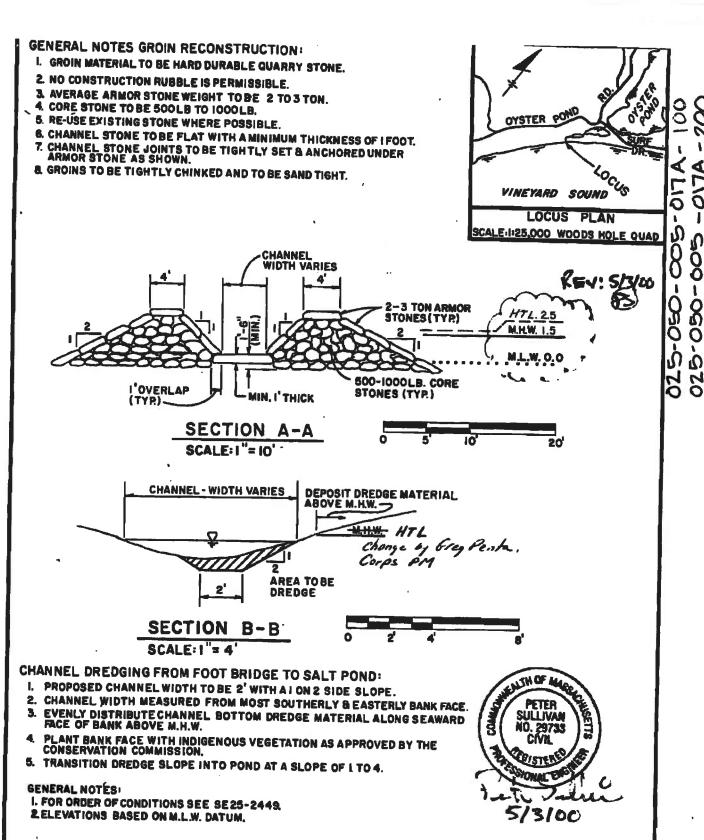
NOTE

ELEVATIONS ARE IN FEST AND TENTHS MABOVE THE PLANE OF MEAN LOW WATER, MINUS FIGURES SHOW DEPTHS BELOW THE SAME PLANE. PROPOSED WORK SHOWN IN RED.

025-04A-043-000-100



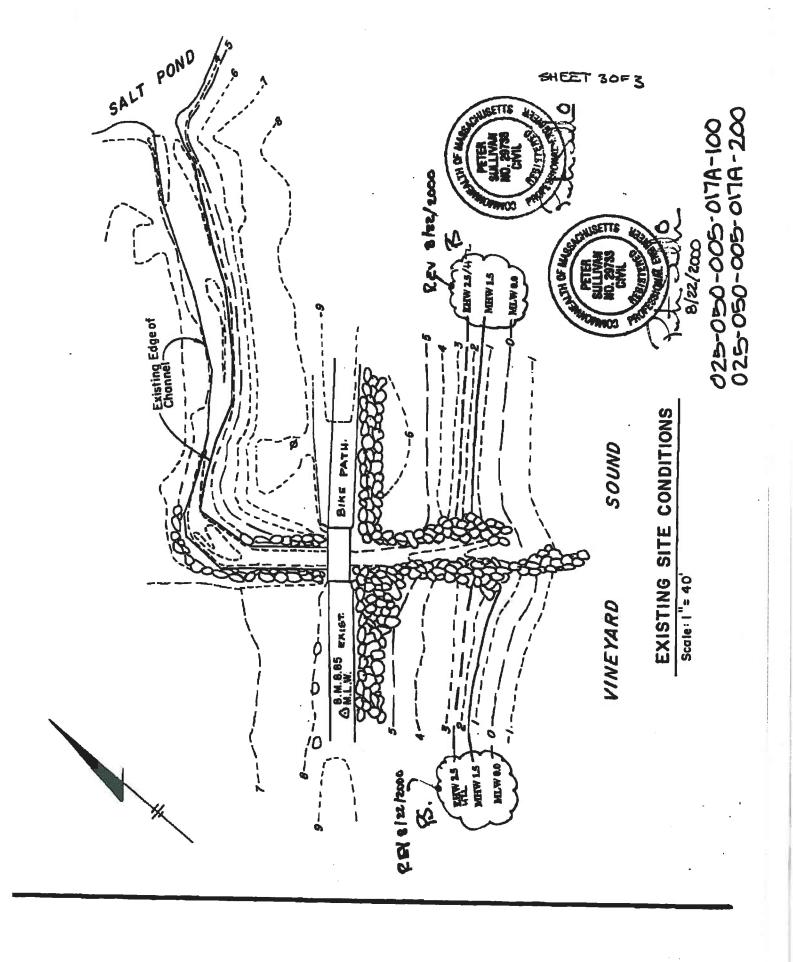
ACC. 03114

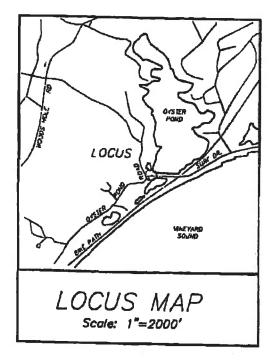


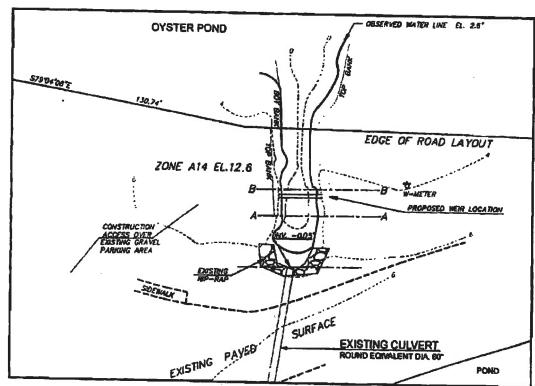
PLAN ACCOMPANYING PETITION OF TOWN OF FALMOUTH MASS.
DEPARTMENT OF PUBLIC WORKS FOR THE DREDGING OF TRUNK RIVER & THE RECONSTRUCTION & MAINTAINING STONE GROINS IN VINEYARD SOUND

NOVEMBER 5,1999 SULLIVAN ENGINEERINGINC. OSTERVILLE, MASS. SHEET 1 of \$ 3

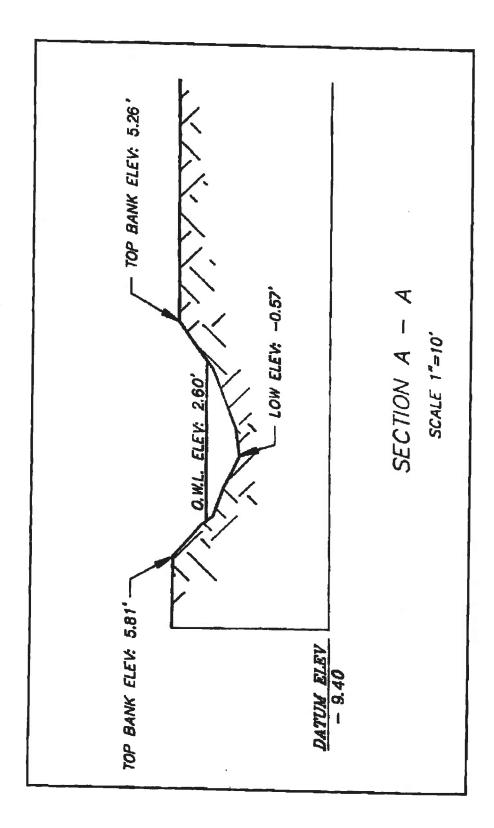
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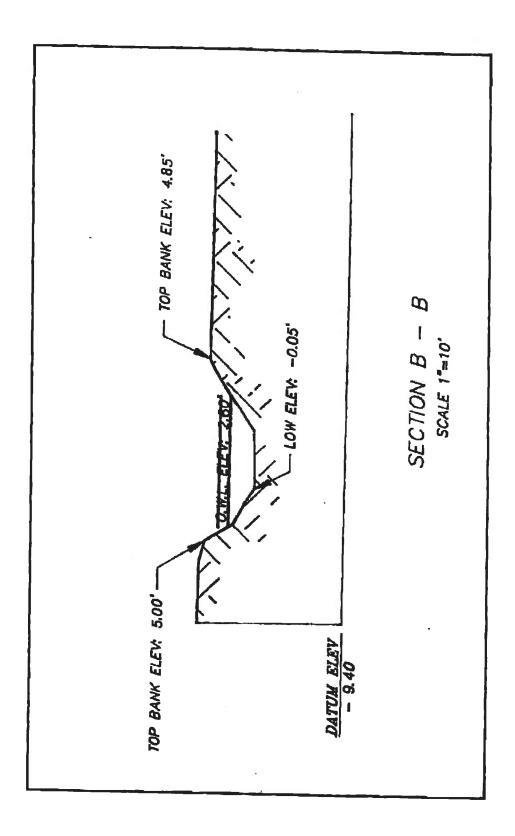




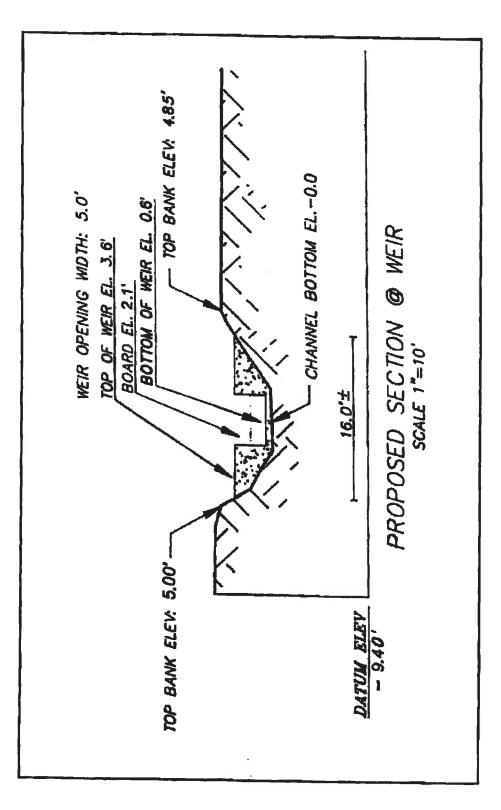
Existing Conditions 1" = 40', Elevations in feet, MLW



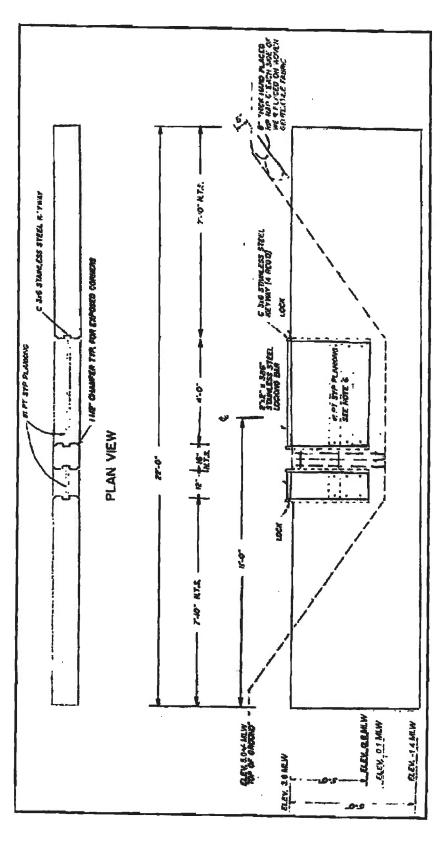
Elevation in feet, MLW



Elevation in feet, MLW

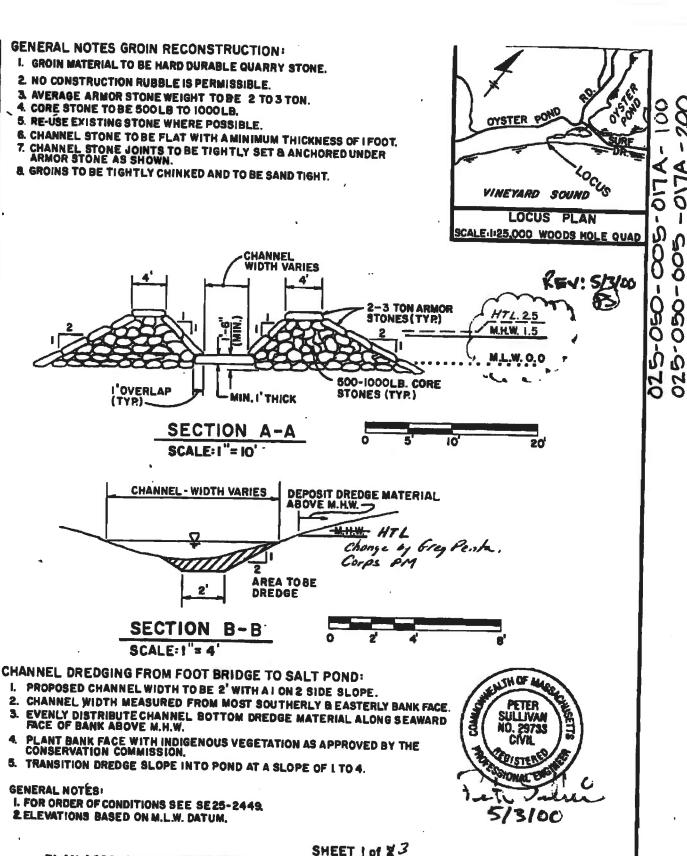


Elevation in feet, MLW



ELEVATION VIEW, Elevations in feet, NGVD (not to scale)

DESIGN FOR OYSTER POND WEIR OYSTER POND ROAD FALMOUTH, MA JANUARY 10, 1997 025-050-005-011A-100 025-050-005-011A-200



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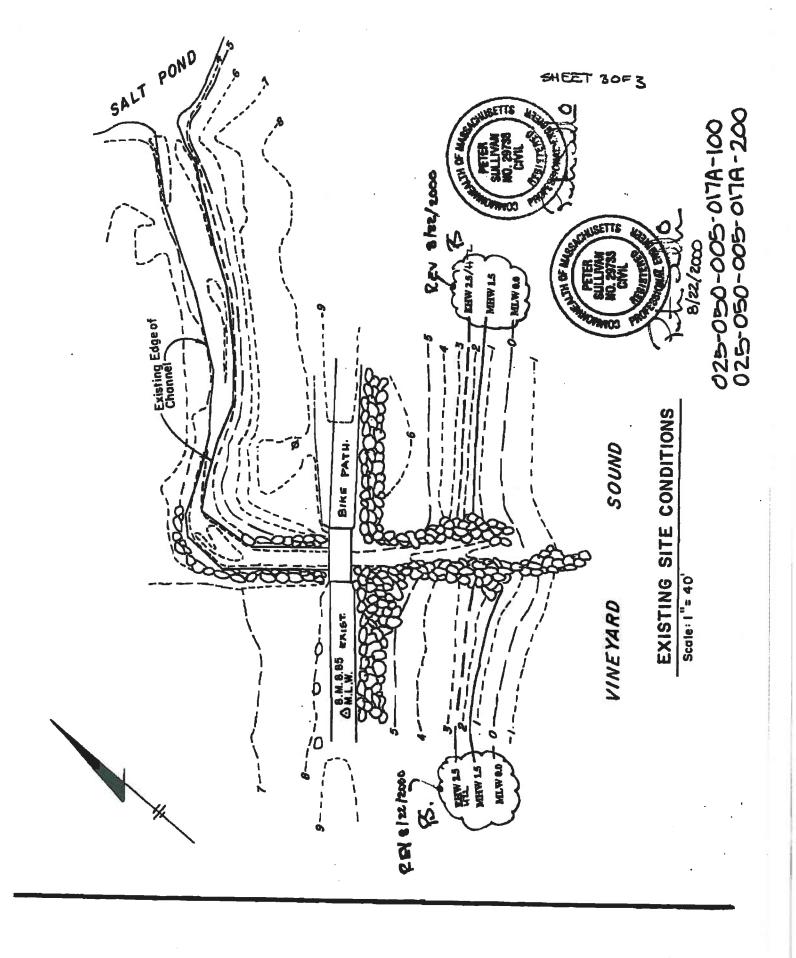
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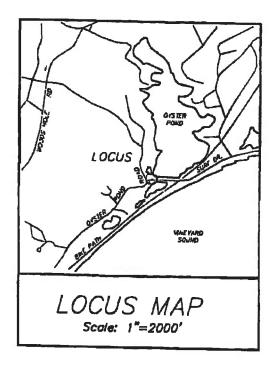
PLAN ACCOMPANYING PETITION OF TOWN OF FALMOUTH MASS. DEPARTMENT OF PUBLIC WORKS FOR THE DREDGING OF TRUNK RIVER & THE RECONSTRUCTION & MAINTAINING STONE GROINS IN VINEYARD SOUND

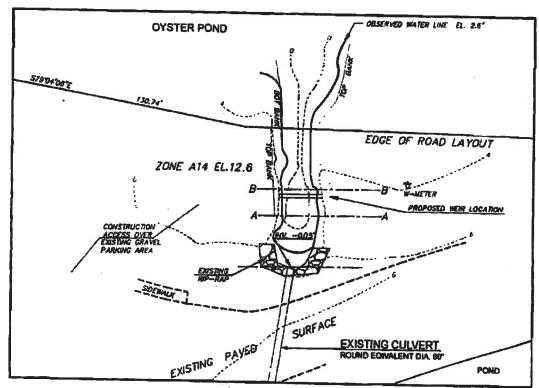
NOVEMBER 5, 1999 SULLIVAN ENGINEERING INC. OSTERVILLE, MASS.



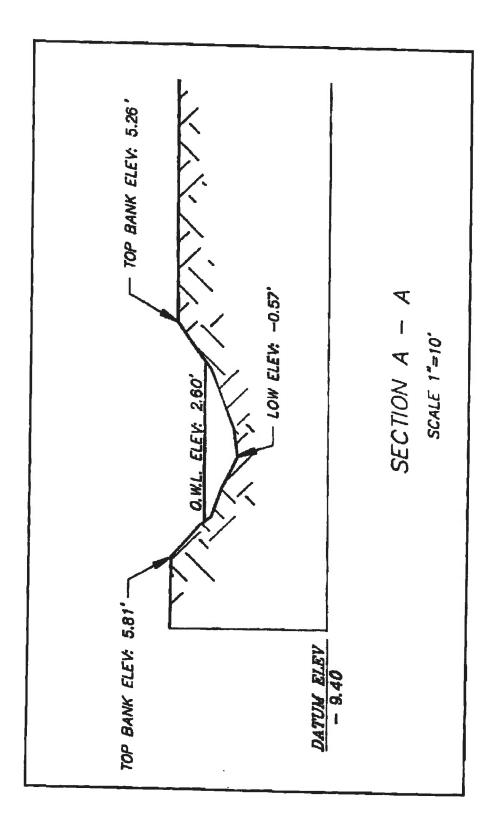
025-050-005-011A-100 025-050-005-011A-200



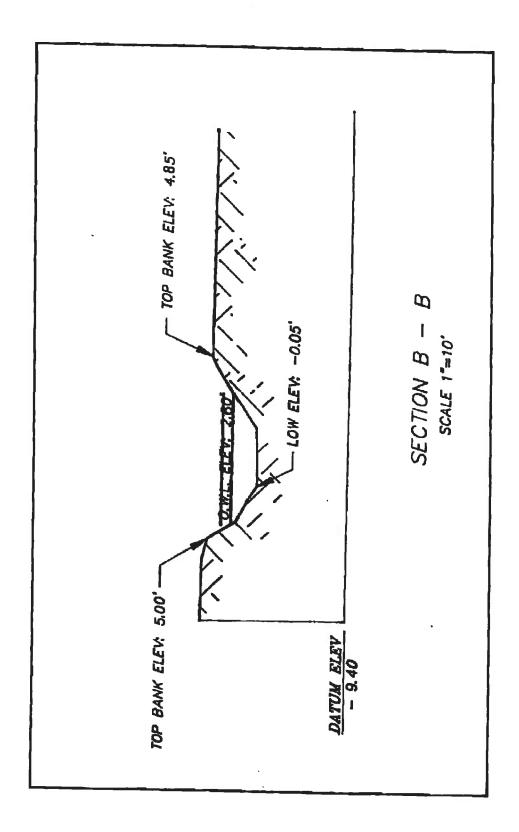




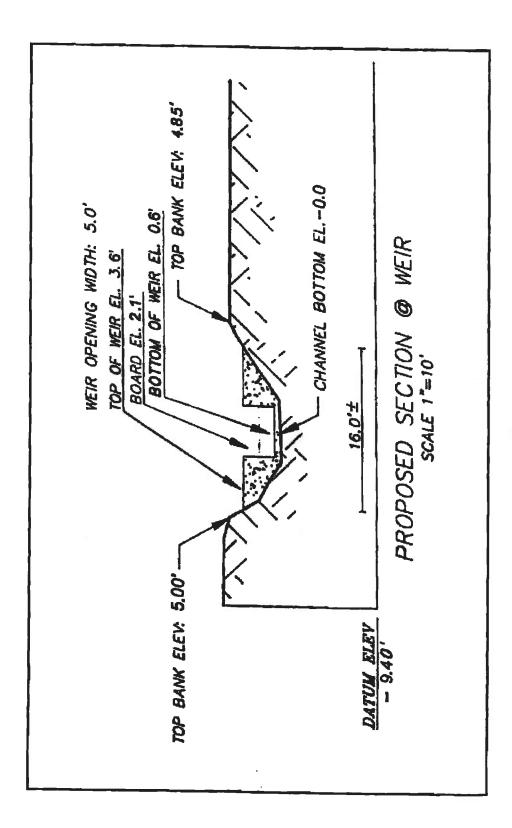
Existing Conditions 1" = 40', Elevations in feet, MLW



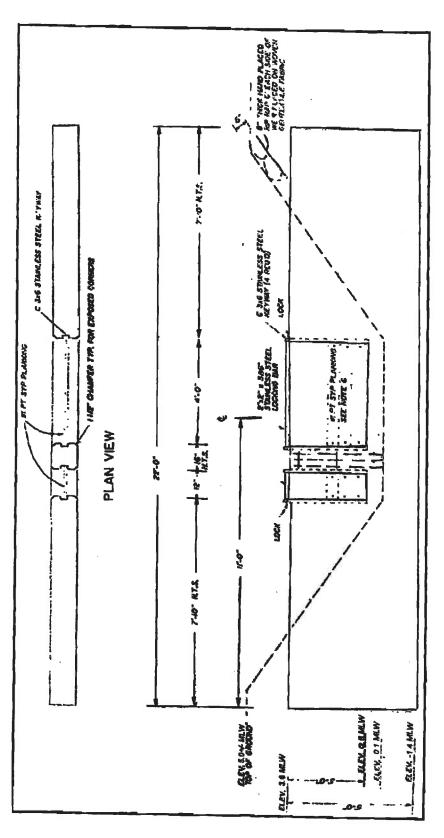
Elevation in feet, MLW



Elevation in feet, MLW



Elevation in feet, MLW

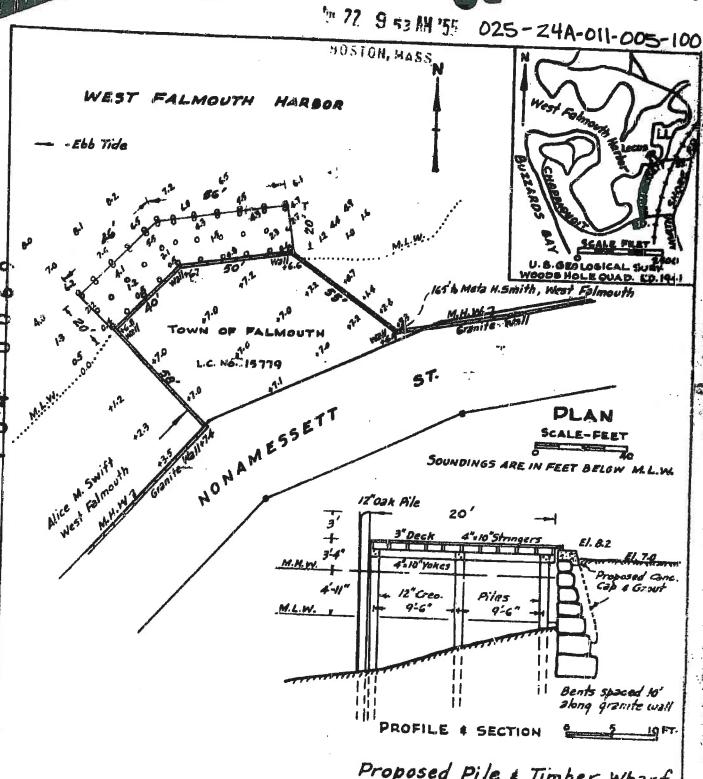


ELEVATION VIEW, Elevations in feet, NGWB (not to scale)

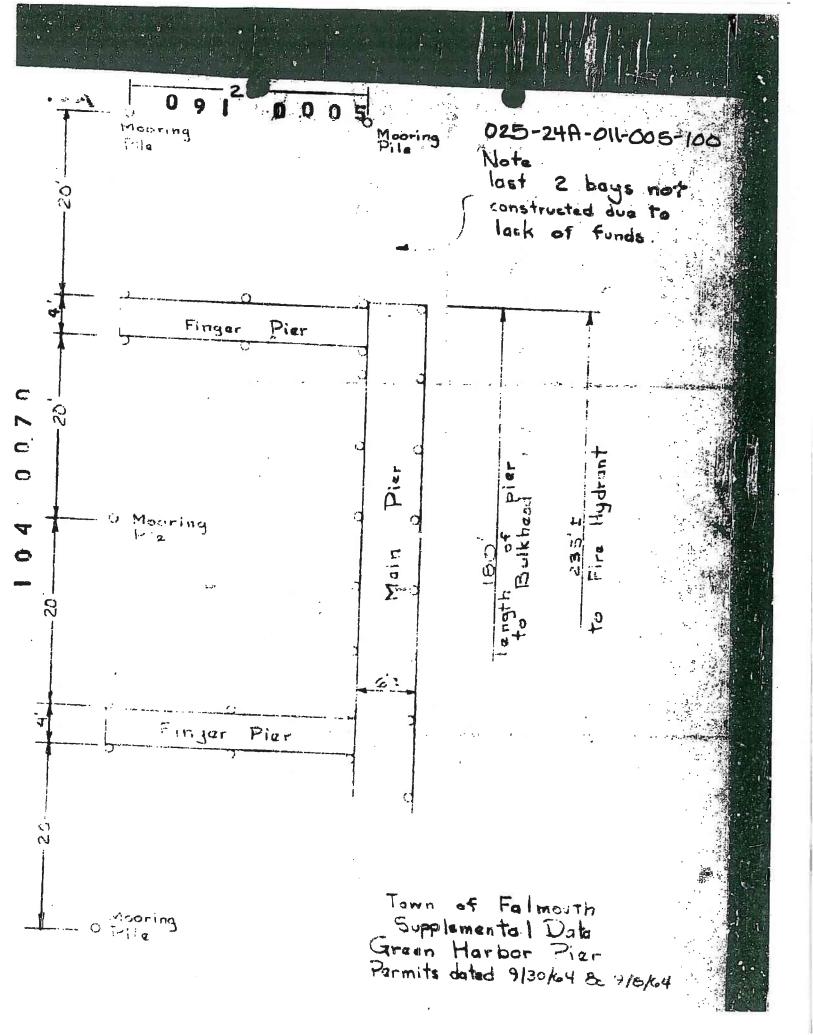
DESIGN FOR OYSTER POND WEIR OYSTER POND ROAD FALMOUTH, MA JANUARY 10, 1997 025-050-005-011A-100 025-050-005-011A-200 025-047-007-026-100 025-047-007-026-200 025-050-007-020-100

EVATIONS ARE IN REST RAD TEATHS ABOVE THE DIATE OF MEAT LOWWATER
MUS REQUES SHOW DEPTHS BELOW THE SAME PLANE
OF ACTIONS WILTO VOS TO BE BUILT AT ELEV TO FOR INVER TO FRET THIN SICKE.
STAT OUTER END. 70 JE SUILT AT ELEV TO FOR INVER TO FRET THIN SICKE.
THES NOT TO BE BUILT BU SITE OF EAST HO JETTIES. SECTION A-A VINEYARD 50UND SCALE - FEET mi G ste SECTION B-B POND PLAN SCALE-FEET VINEYARD COOK T PROFILE - JETTY NO 4 (TVP CAL) PROPOSED STONE JETZJES WAEYARD SOUND FALMOUTH MASS Electron Contraction

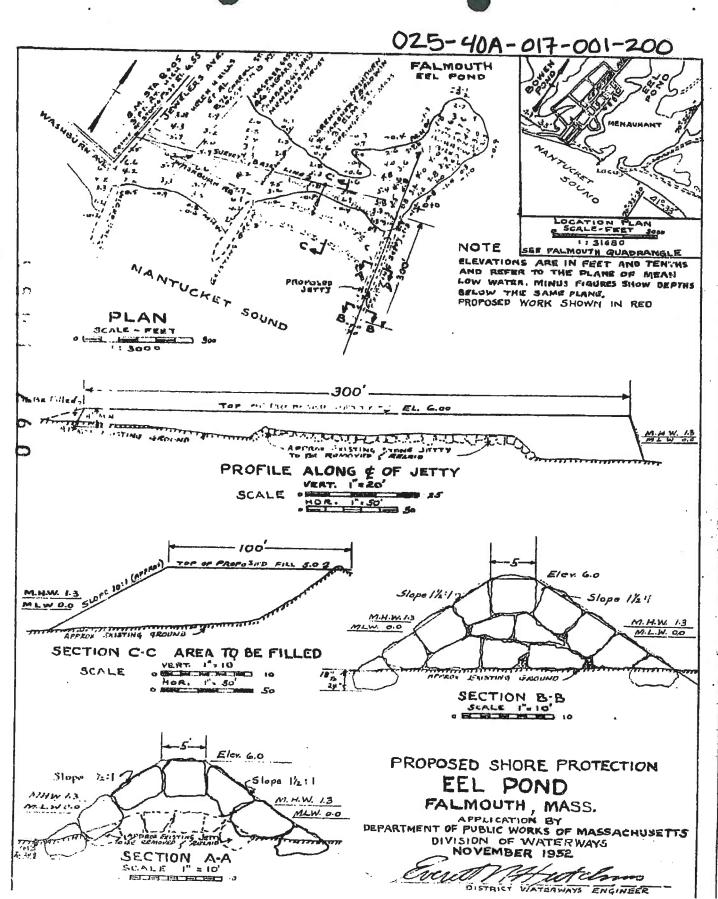
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Proposed Pile & Timber Wharf in West Falmouth Harbor at Falmouth County of Barnstable , Mass. Application by Town of Falmouth

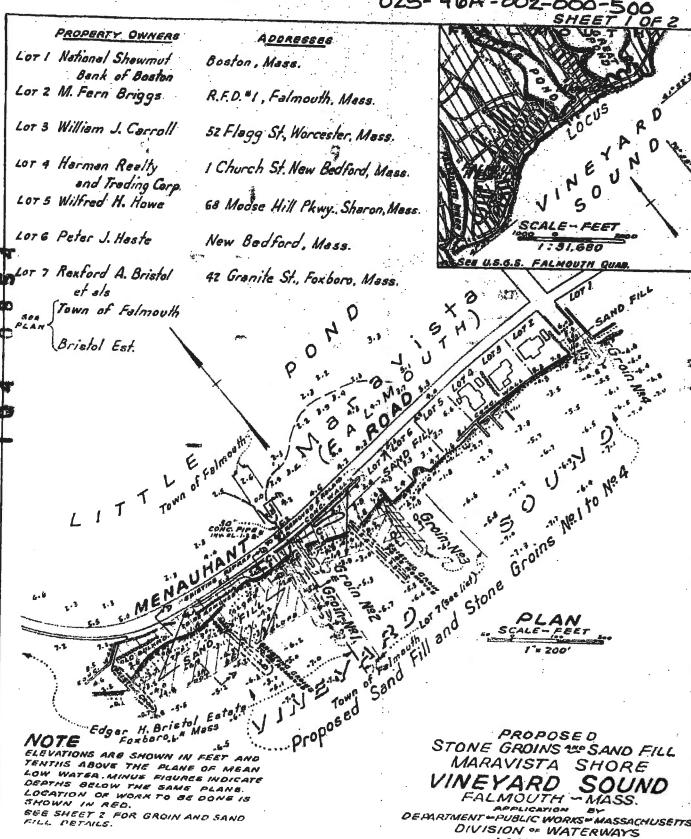


025-40A-001-003A-100 VINEYARD SECTION A-A POND BOWEN SOUND VINEYARD PROFILE - WEST JETTY 1:300 PROPOSED STONE JETTIES IN MENAUHANT SHORE—FALMOUPH MASS DEPARTMENT OF PUBLIC WORKS DE HASSACHDIETTS DIVISION OF WATERWAYS DECEMBER 1946



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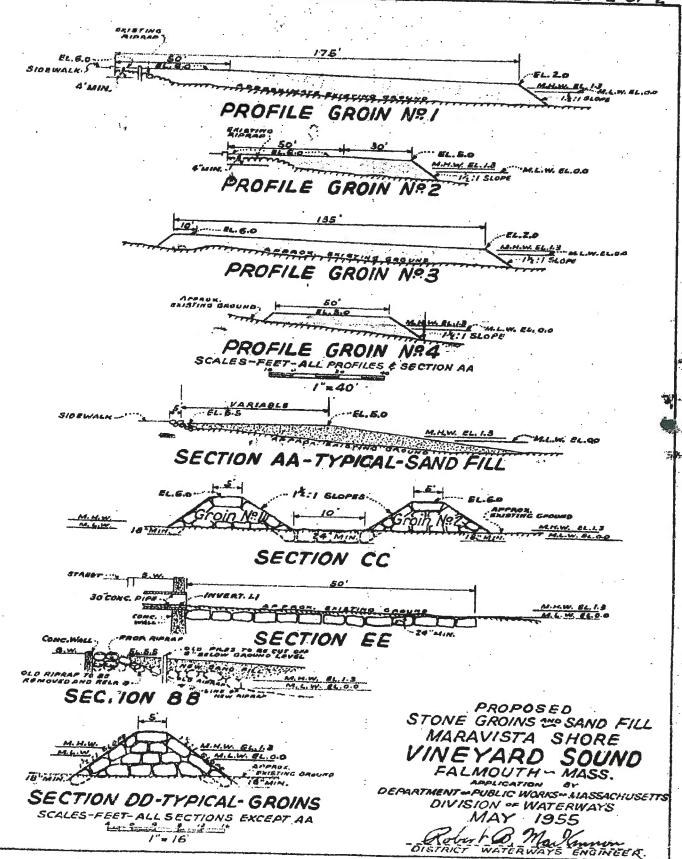
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025-46A-002-000-100 025-46A-002-000-200 025-46A-002-000-500 SHEET 2 OF 2

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025-46A-002-000-100 025-46A-002-000-200 025-46A-002-000

PUBLIC WORKS - MASSACHUSETTS

1955

DIVISION OF WATERWAYS

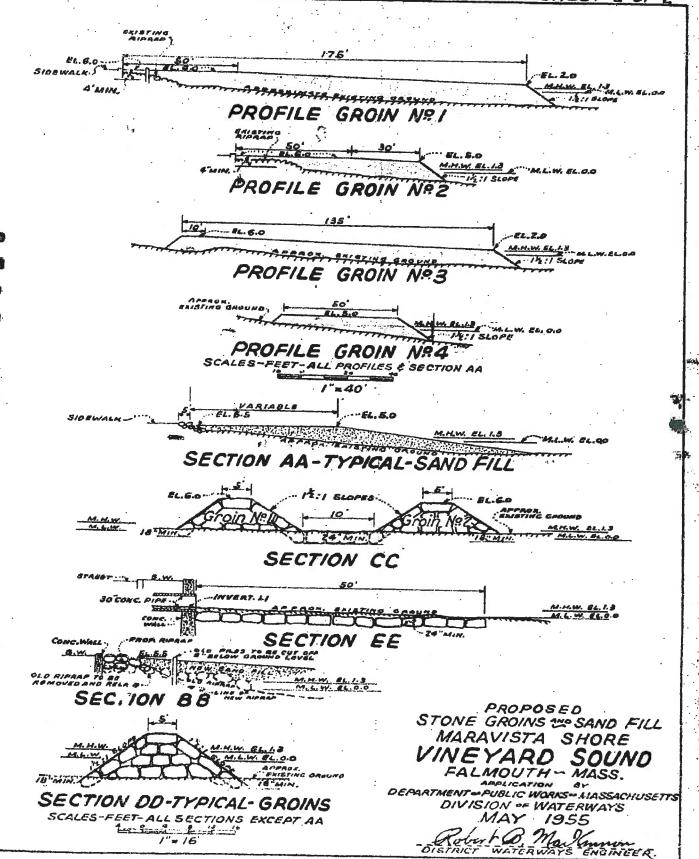
MAY

PROPERTY OWNERS ADDRESSES Lor I National Shawmut Boston , Mass. Bank of Boston Lor 2 M. Fern Briggs R.F.D. *1 , Falmouth, Mess. Lot 3 William J. Carroll 52 Flagg St., Worcester, Mass. Lor & Harman Realty 1 Church St. New Bedford, Mass. and Trading Corp. LOT 5 Wilfred H. Howe 68 Modse Hill Phwy. Sharon, Mass. Lor & Peter J. Hoste New Bedford, Mass. or 7 Rexford A. Bristol 42 Granite St., Foxboro, Mass. Town of Falmouth Bristol Est. LITT Groins and Stone = 200 proposed PROPOSED NOTE FORDS THE SHOWN IN FEET AND STONE GROINS TO SAND FILL TENTHS ABOVE THE PLANE OF MEAN MARAVISTA SHORE LOW WATER . MINUS FIGURES INDICATE DEPTHS BELOW THE SAME PLANS. LOGATION OF WORK TO BE DONE IS SHOWN IN RED. SEE SHEET Z FOR GROIN AND SAND FILL DETAILS.

0 0 0 1 4 5 0

025-46A-002-000-100 025-46A-002-000-200 025-46A-002-000-500 SHEET 2 OF 2

ACC AZAIO-D

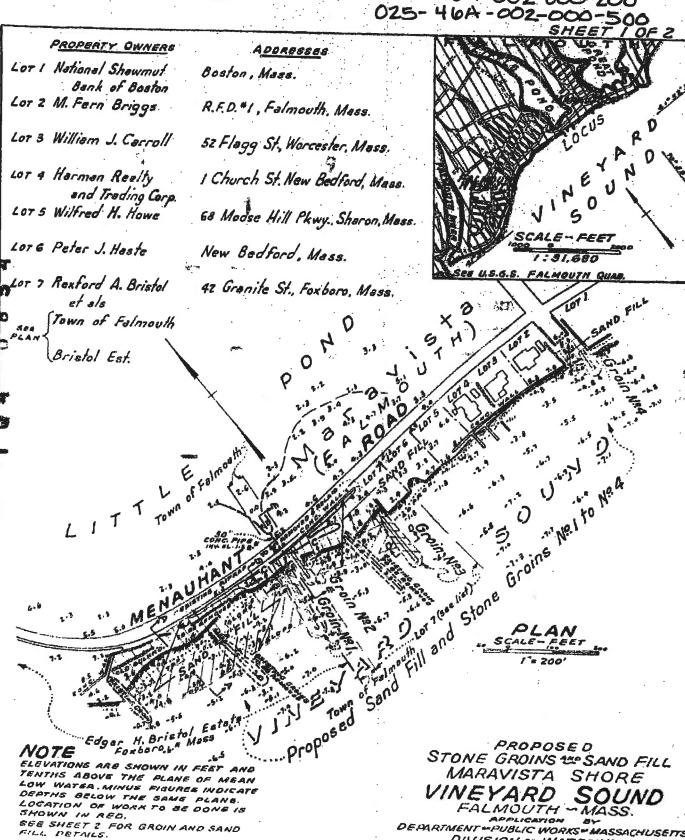


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PUBLIC WORKS MASSACHUSETTS

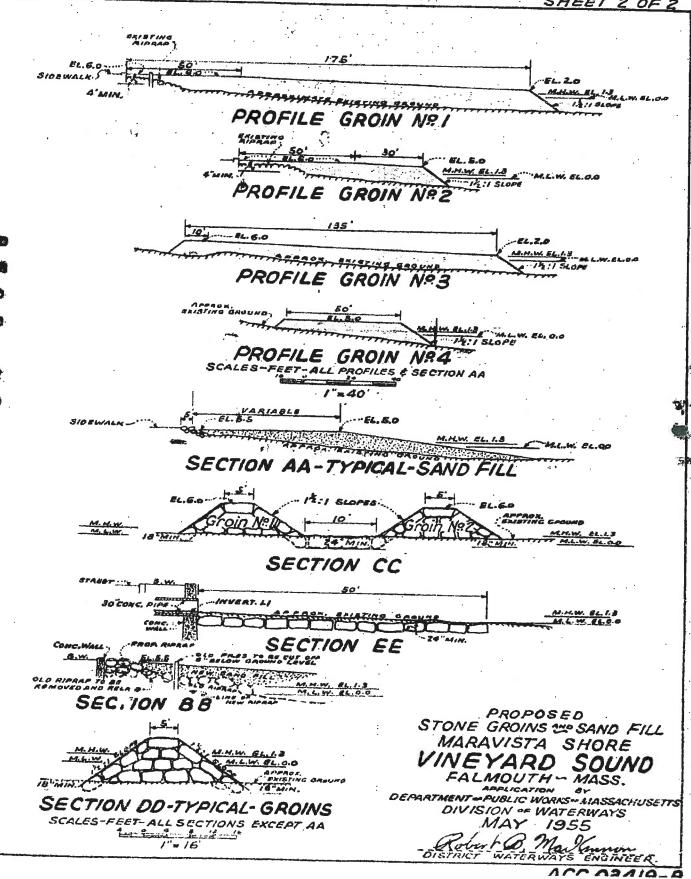
DIVISION OF WATERWAYS

MAY



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025-46A-002-000-100 025-46A-002-000-200 025-46A-002-000-500 SHEET Z OF Z

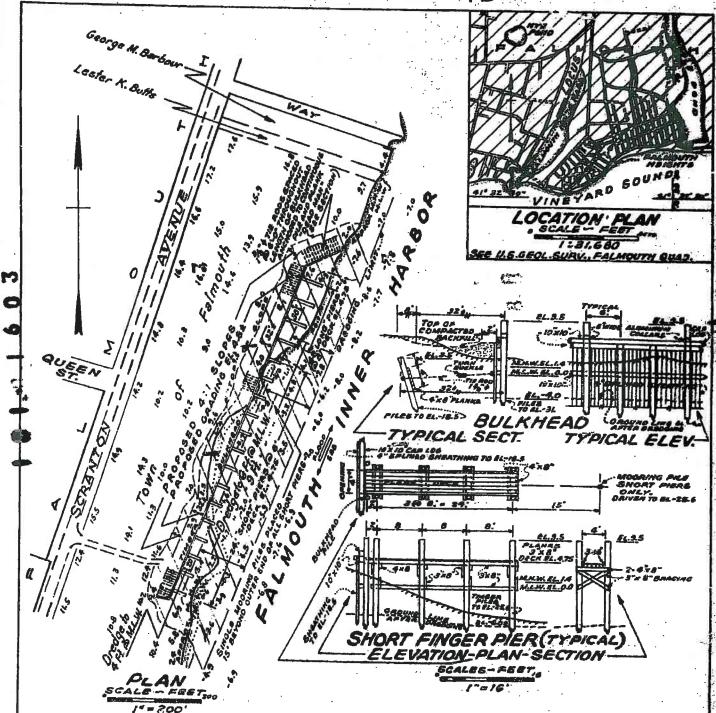


0 9 2 1 1 3 4

025-46B-00Z-000D-100 CLINTON AL'ENUE ALMOUTH PLATFORMS LOCATION SEE U.S.C. & G.S. CHART NO. 249 CLINTON AVENUE PATIO . FALMOUTH HAREOR T CUAD OLDER PROPORED FILL ひ JXB WALES 7-83/16 Koom 165 4.4.W. 61.0. 4×8"..... PLANK PLATFORM THE STATE OF THE PROPOSED EXCAVATION ASTER EXCAVATION 20-0" NOTE ELEVATIONS ARE IN FEET AND TENTHS ABOVE PLANE OF MEAN LOW WATER. MINUS FIGURES BNOW DEPTH'S BELOW THE SAME PLANE EXCAVATED MATERIAL TO BE USED AS FILL AD -JACENT TO THE SITE. A"SHEET PILES, T. & G. Ť IE PILEE, GOOC. 130 EL,-18.0 PROPOSED BULKHEAD
FALMOUTH INNER HARBOR
FALMOUTH, MASS.
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
JANUARY, 1953 86.-24.0 TYPICAL SECTION Everett Mittutching

6 7 0

025-478-009-002-100

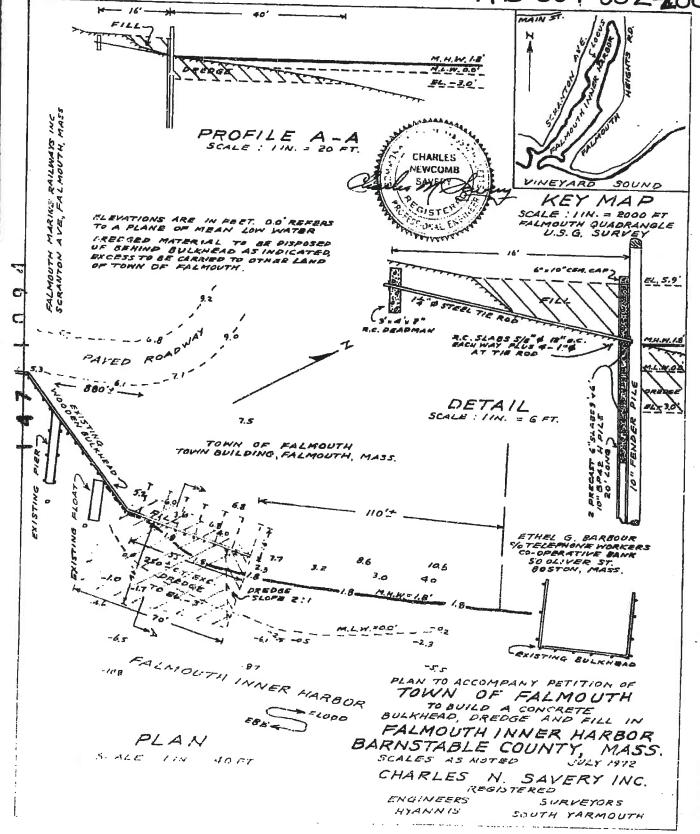


NOTE

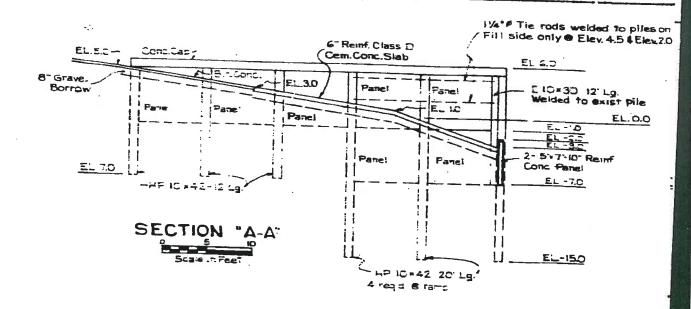
ELEVATIONE ARE IN FEET AND TENTHS
ABOVE PLANE OF MEAN LOW WATER.
MINUS FIGURES SHOW DEPTHS BELOW
THE SAME PLANE.
APPROX. EXISTING GROUND THUS TITITT
ALL HARGWARE SHALL BE RUST RESISTANT
IN ACCORDANCE WITH BEST STANDARDS
AND BRACING PASTENING, SPLICING, ETC.
IN ACCORDANCE WITH APPROVED PRACTICE.
SASCIAL ADDITIONAL ROOS TO BE PLACED
AT ENDS OF BULKHEAD.
TOCATION OF WORK TO BE DONE IS IN RED.

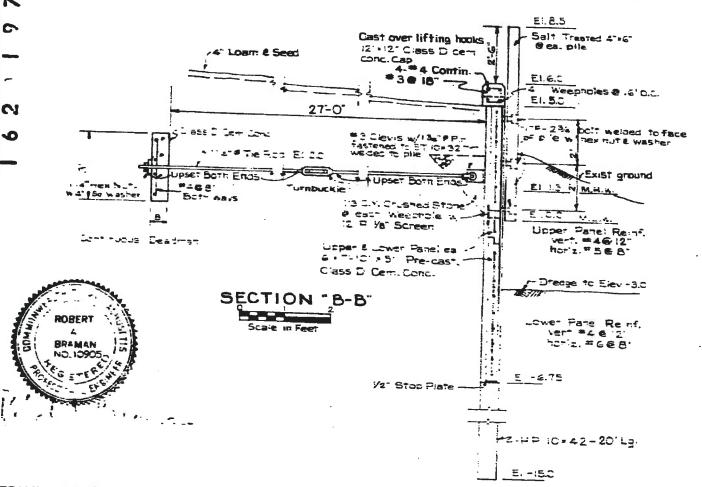
PROPOSED. BULKI'EAD-FINGER PIERS-DREDGING ALM UTH INNER HARBOR HALMOUTH -MASS. APPLICATION DEPARTMENT FUBLIC WORKS -MASSACHUSETT DIVISION OF WATERWAYS MARCH 1957

025-47B-009-002-200



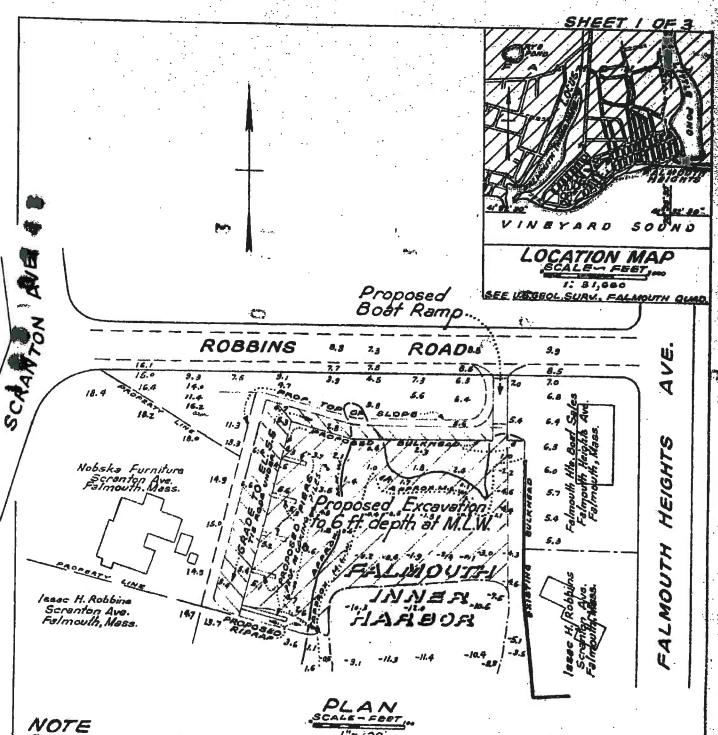
Permit Number: NALM-75-270
Date Issued: 12 November 1975 ALM-75-270 025-478-009-002-200 FALMOUTH Ethel G. Barbour ic.* 5848 110 Scranton Ave. RTE. Falmouth, Mass C 10 = 30 2 Special Panels to! 10 LOCUS determined in field -5.5 -7.2 -10.3 B FALMOUTH INNER 98 37 FALMOU HARBOR VINEYARD SOUND ti C LOCATION MAP 9.6 65 1000 40 Taken from U.S.G.S. Proposed Falmouth, Mass.Quad. Ö Elevations are in feet and fenths above the plane of Mean Low Water Minus figures indicate depths below that same plane 9.3 8.6 1.9 11 C · Bench Mark- Chialed a in corner of Conc Cap. Elev. 6.17 M.L.W. .! 9 HP '0 = 42 1: (TYP) -8.7 ıl. ILO Ħ U Exist NO. 10905 935' to 克 Falmouth Marine Railways, Inc. Scranton Ave. Falmouth, Mass. SSTONAL E Bays @ 8-0"= 32" Relocated Panels Remove 4 Panels may be used on Ramp Return . Remove Exist. tie rods £ 3'x4' Conc. Prop. Reinf. Cem. Conc.Re Desoman Blocks for 3 Bulknesd Piles. Exist. Pile to be cut off driven to top Elev.-2.0 DREDGE AND CONSTRUCT CONCRETE BULKHEAD& RAM FALMOUTH INNER HARBOR FALMOUTH, BARNSTABLE COUNTY, MASS Bench Mark APPLICATION BY PLAN TOWN OF FALMOUTH **JANUARY 8, 1975** SHEET ! OF 2 scale in Feet 1-20 WALTER E. ROWLEY & ASSOCIATES, INC. CIVIL ENGINEERS & SURVEYORS





TOWN OF FALMOUTH

570 025-47B-009-007-100



ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO PLANE OF MEAN LOW WATER.

MINUS FIGURES SHOW DEPTHS BELOW THE SAME PLANE.

EXCAVATED MATERIAL, APPROX. 12,000 C.Y.

TO BE DISPOSED OF IN AQUACENT APPROVED AREAS A BOVE MEAN HIGH WATER.

LOCATION OF PROPOSED WORK IS SHOWN IN RED. IN REO.

SEE SHEETS 2 AND 3 FOR LAYOUT DIMENSIONS, SECTIONS, BOAT RAMP DETAILS, ETC. MEAN RANGE OF TIDE 1.4 FEET.

PROPOSED BULKHEAD, PIERS, RAMPEXCAVATION DAVIS MARINE PARK FALMOUTH INNER HARBOR

PUBLIC WORKS OF MASSACHUBETTS DIVISION . WATERWAYS

JANUARY, 1958 Robert B. Marker

1 8 1 5 7 1 025-47B-009-007-100

SHEET 2 OF 3 ROBBINS ROAD STREET LINE × 50

NOTE

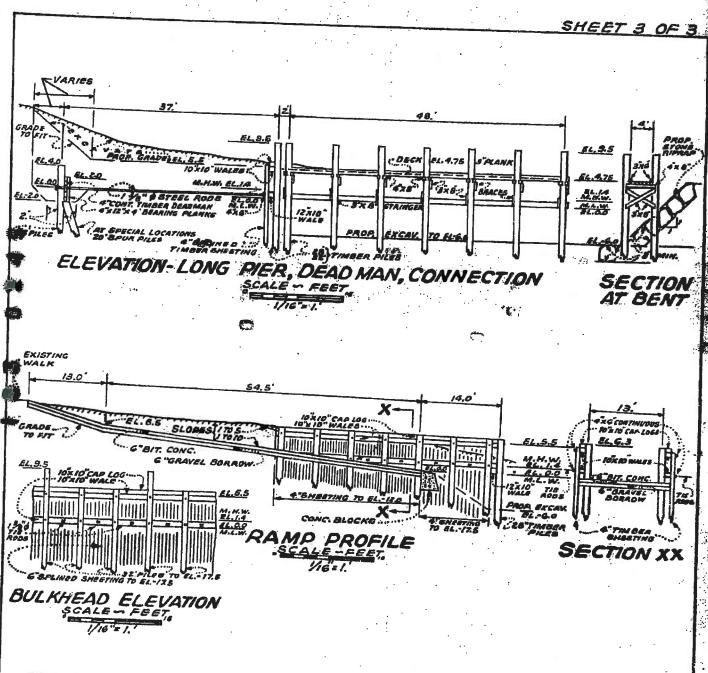
EXCEPT IN OBVIJUELY SPECIAL CASES DIMENSIONS ARE C.TO C. OF PILE LINES. FOR PILE LENGTHS AND OTHER TIMBER DETAILS, GET SHEET 3. FOR BASIN EXCAVATION SEE SHEET I AND FURTHER CONSTRUCTION DETAILS SEE SHEET 3.

PROPOSED
BULKHEAD, PIERS, RAMP, EXCAVATION
DAVIS MARINE PARK
FALMOUTH INNER HARBOR
FALMOUTH MASS.

DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
JANUARY, 1958

Ablet B. Halloman

1 8 1 5 7 2 025-47B-009-007-100



NOTE

APPROX. EXISTING SURFACE SHOWN THUS TITTITIS ALL HAROWARE, NUTS, BOLTE, WASHERS, SMIKES, THE ROOS AND TURN BUCKLES, SPLICE PLATES, ETC., TO BE SALT WATER RESISTANT OR PAINTED WITH BITUMINOUS SEALER.

CONSTRUCTION OPERATIONS ARE ALL TO BE IN ACCORDANCE WITH CURRENT STANDARD.

ED WITH CITUMINOUS SEALER,

CONSTRUCTION OPERATIONS ARE ALL TO BE
IN ACCORDANCE WITH CURRENT STANDARD
PRACTICE INCLUDING PLACEMENT OF SPUR
PILES WHEN USED, LOCATION OF SCUPPER
OUTLETS, CHAMPERING OF PILE TOPE, ETC.
PILES ARE GREANHEART AND TIMBERG TO
BE SALT TREATED OR CREOSOTED.

PROPOSED
BULKHEAD, PIERS, RAMP, EXCAVATION
DAVIS MARINE PARK
FALMOUTH INNER HARBOR

FALMOUTH INNER HARBOR
FALMOUTH - MASS.

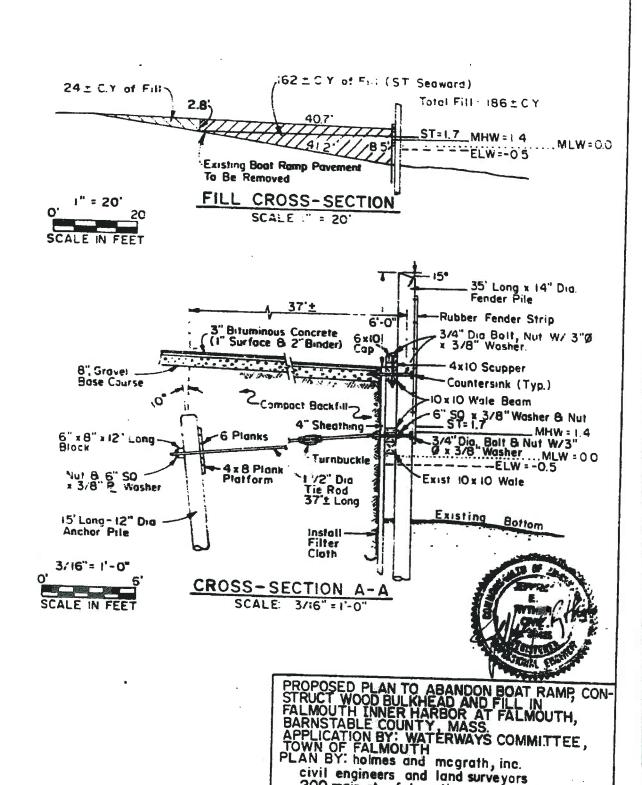
DEPARTMENT PUBLIC WORKS MASSACHUSETTS

JANUARY, 1958 Robert B. Marlom

ROBBINS (PUBLIC 50 WIDE)	Rie 28 LOCUSTI
7. 35E 3 33 W.OE,	ROAD 3632
EXIST CURB SAN	USGS - Quadrangle of
Town of Falmouth LOT IC EXISTING DEADMAN ANCHORS TOWN OF FALMOUTH ST A COM WHW ANCHORS	C WALLS PLETE EXISTING DEADMAN O' 2000' ANCHORS
149± C.Y. MILW REMO	ES FROM O RAMP O SIDES.
PROPOSED 16'± TIMBER BULKHE W/ TIMBER DEA MAN ANCHORS. FLOAT EXISTING -5/ WOOD BULKHEA	W. Falmouth, MA. 02574 LEGEND ST = 17
-6.1 -5.3 RAMP & FLCAT MASS DPW LIC NO. 1826 NOV 1957	1073 MLW = 00
FALMOUTH INNER HARBOR SCALE. I" = 20' O' 20' SCALE IN FEET	2 All metal shall be not dipped galvanized steel 3 Piles to be driven to 1/2 their length or to refusal 4 All tides fall on face of bulkhead wall. See sheet 2 of 2.
AF	ROPOSED PLAN TO ABANDON BOAT RAMP, CON- RUCT WOOD BULKHEAD AND FILL IN LIMOUTH INNER HARBOR AT FALMOUTH, ARNSTABLE COUNTY, MASS. PLICATION BY: WATERWAYS COMMITTEE, DWN OF FALMOUTH AN BY: holmes and mcgrath, inc. civil engineers and land surveyors 200 main st. falmouth, mass. 02540 SHEET I of 3

CONTRACTOR OF THE PROPERTY OF

025-47B-009-007-100

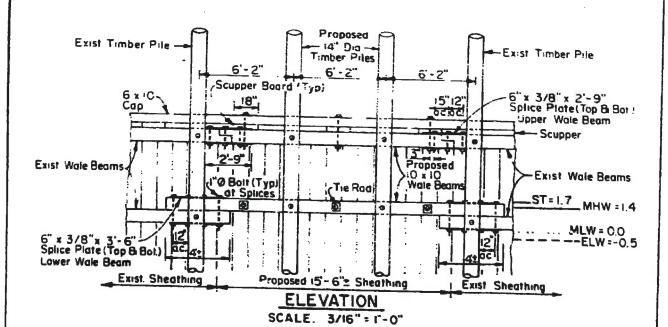


200 main st. falmouth, mass. 02540

JAN. 4, 1990

SHEET 2 of 3

025-478-009-007-100



3/16" = 1'-0" 0' 6' SCALE IN FEET



PROPOSED PLAN TO ABANDON BOAT RAMP, CONSTRUCT WOOD BULKHEAD AND FILL IN
FALMOUTH INNER HARBOR AT FALMOUTH,
BARNSTABLE COUNTY, MASS.
APPLICATION BY: WATERWAYS COMMITTEE,
TOWN OF FALMOUTH
PLAN BY: holmes and mcgrath, inc.
civil engineers and land surveyors
200 main st. falmouth, mass. 02540
SHEET 3 of 3 JAN. 4, 1990

0 0 0 0 0 6 4 4

025-49A-006-039-100 BUZZAŔĠS BAY 5.0 Marine Woods Hole, Mass.
COURTS 10.5 LOCATION PLAN SCALE - FEET COURTS | reservation for courts | COURTS | residents f guests of falmouth thus is a resident for guests of falmouth guest of residents for guests of falmouth the guest of 1:31680 URV. WOODS HOLE QUAD t M. Meigs Hole, Mass GOŚNOLD PLAN SCALE - FEET 1" = 100 ... EL. 7.0 PROPOSED SAND FILL A4. 04. W. 444 TYPICAL SECTION AA SEE PROFILE SCALE - FEET TYPICAL SECTION CC PICAL SECTION BB SCALE - FEET SCALES FEET 1"- 10 1"-10" 50, (ZO'ALILIN, TO OUTER AND 110 M. H. W. TO OUTER END 4.N.W. 26.3.6 PARON. SEISTING GAS 4"MIN. APPROX. SXISTING ORBUDO EAST GROIN PROFILE GROIN PROFILE WEST 1"= 50 1"=50" PROPOSED STONE GROINS & SAND FILL NOTE WOODS HOLE BEACH ELEVATIONS ARE IN FEET AND TENTHS ABOVE THE PLANG OF MEAN LOW WATER. BAY MINUS FIGURES SHOW DEPTHS BELOW FALMOUTH - MASS. THE SAME PLANE, LOCATION OF PROPOSED STONE GROINS PUBLIC WORKS - MASSACHUSETTS DEPARTMENT AND APPROXIMATELY 3000 CUBIC YOS. DIVISION OF WATERWAYS OF SAND FILL IS SHOWN IN RED. MARCH 1955 Robert 13. Ma James ENGINEER

AMM MODED