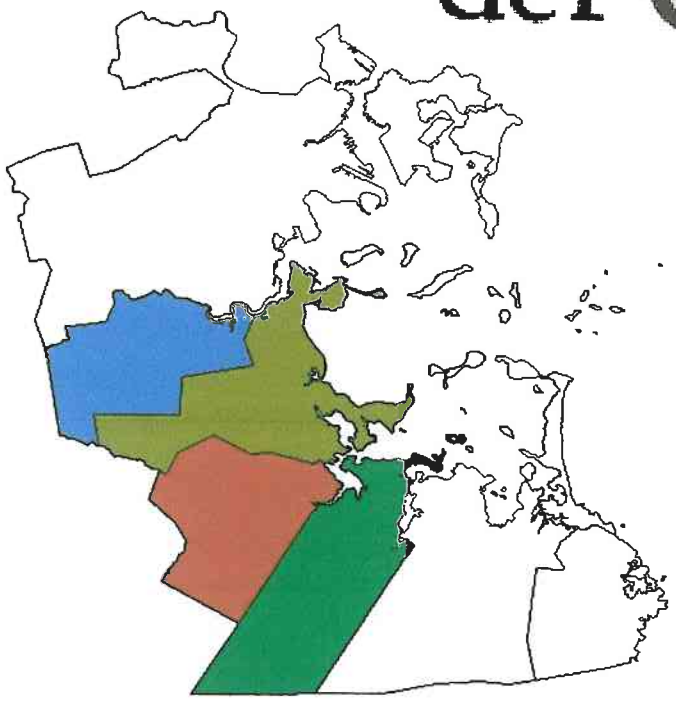
Massachusetts Coastal Infrastructure
Inventory and Assessment Project
Coastal Hazards Commission

Boston Harbor - South

Quincy
Milton
Braintree
Weymouth

dcr



July 6, 2009

Prepared for:

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Hingham, Massachusetts

Presented by:
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Franklin, Massachusetts

In Association With:
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BCE **Bourne Consulting Engineering**
Waterfront Engineers

MASSACHUSETTS COASTAL INFRASTRUCTURE INVENTORY AND ASSESSMENT PROJECT

Boston Harbor - South

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Section I

Coastal Hazards Infrastructure and Assessment Program

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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.
    - Structures that were determined to be private were not included.
    - 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:
    - No consideration on utility impacts – water, electrical, sewer, gas
    - No consideration of roadway and bridge protection
    - Evacuation routes were not considered within the investigation
    - 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

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

Property Ownership: 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.

Structure Ownership: 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

Basis of Ownership: 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

Structure Owner's Name: 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.

Primary Structure / Secondary Structure: 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.

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

Structure Material: 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.

Structure Height: 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.

Priority Rating: 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.

FEMA Zone and Elevation: 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.

Structure Comments: 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.

Pictures: 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.

Town Documents: 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.

MA - DCR Documents: 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

USACE Permits: 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:

Structure Condition Ratings – 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.

- 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.

Height of Structure – 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

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

Bulkhead / Seawall Structures – 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.

Groins and Jetties – 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.

Coastal Beaches – 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.

Coastal Dunes – 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.

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

Engineering and Regulatory Approvals – 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

Preliminary Condition Assessment		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
B	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 protection from major coastal storm and for extending life of structure. 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	Moderate
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. 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.	Major
F	Critical	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.	Immediate

EXHIBIT B

Priority Rating System - 5 Level Rating System

Preliminary Priority Level Assessment		**Level Based Upon Perceived Immediacy of Action and Presence of Potential Risk to Inshore Structures if Not Corrected**	**Level of Action Required**
I	None	No Inshore Structures or Residential Dwelling Units Present	Long Term Planning Considerations
II	Low Priority	Inshore Structures Present with Limited potential for Significant Infrastructure Damage	Future Project Consideration
III	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

CZM SOUTH SHORE COASTAL INFRASTRUCTURE INVENTORY AND ASSESMENT PROJECT

EXHIBIT C

September 14, 2006

REPAIR / REHABILITATION COSTING DATA

Cost per linear foot of structure

STRUCTURE TYPE	STRUCTURE MATERIALS	STRUCTURE HEIGHT	STRUCTURE CONDITION RATING A	B	C	D	F
BULKHEAD/ SEAWALL	CONCRETE	Under 5 Feet	$0	$84	$425	$850	$983
		5 To 10 Feet	$0	$152	$759	$1,518	$1,782
		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
		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	$1,782
		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
		Over 15 Feet	$0	$202	$1,008	$2,017	$2,380
COASTAL BEACH	SAND	Under 5 Feet	$0	$26	$132	$264	$264
		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
COASTAL DUNE	SAND	Under 5 Feet	$0	$18	$93	$186	$186
		5 To 10 Feet	$0	$48	$238	$476	$476
		10 To 15 Feet	$0	$79	$395	$790	$790
		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
GROIN	STONE	Under 5 Feet	$0	$132	$664	$1,328	$1,460
		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.

Section II

Quincy

Section II – Community Findings – City of Quincy

COMMUNITY DESCRIPTION

The City of Quincy consists of a land area of 16.79 square miles out of a total area of 26.9 square miles and had a population of 88,025 in the 2000 census. The City is located in Boston Harbor of Massachusetts and its location can be seen on this report's cover. The estimated length of shoreline is 20 miles that are directly exposed to open ocean. The City 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 City is also protected by the Hull peninsula and the Boston Harbor Islands. The man-made and publicly owned structures that protect the City 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 City of Quincy, there were 39 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 17 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 - City of Quincy

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Length
Bulkhead / Seawall	23	5	10	5	2	1	33830
Revetment	12	1	5	6			4220
Breakwater							
Groin / Jetty	4		3	1			2770
Coastal Dune							
Coastal Beach							
	39	6	18	12	2	1	40820

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 City of Quincy's case there are a total of 28 structures which would require approximately $ 46 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 $ 6.0 million would be required to upgrade the City's coastal protection.

STRUCTURE REPAIR / RECONSTRUCTION COST - City of Quincy

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Cost
Bulkhead / Seawall	23		$2,089,494	$28,349,574	$1,859,880	$4,227,300	$ 36,526,248
Revetment	12		$370,247	$8,685,435			$ 9,055,682
Breakwater							$ -
Groin / Jetty	4		$579,660	$99,600			$ 679,260
Coastal Dune							$ -
Coastal Beach							$ -
	39	$	3,039,401	$ 37,134,609	$ 1,859,880	$ 4,227,300	$ 46,261,190

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 City of Quincy the breakdown of structures by assumed ownership is as follows:

STRUCTURE OWNERSHIP / REPAIR COST - City of Quincy

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Cost
Town Owned	27		$2,729,504	$36,745,869	$1,859,880		$ 41,335,253
Commonwealth of Massachusetts	12		$309,897	$388,740		$4,227,300	$ 4,925,937
Federal Government Owned							$ -
Unknown Ownership							$ -
	39	$	3,039,401	$ 37,134,609	$ 1,859,880	$ 4,227,300	$ 46,261,190

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

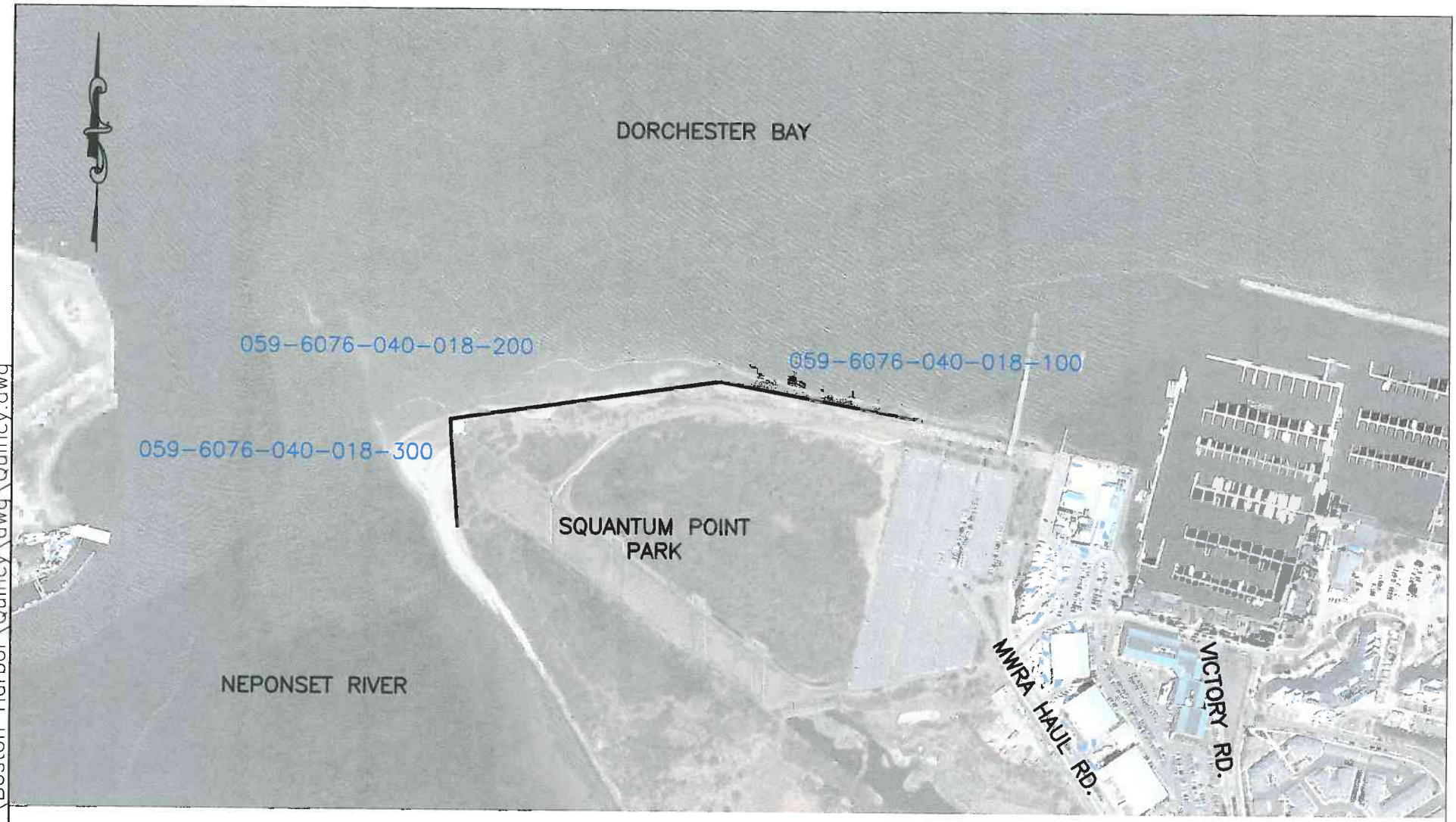
The enclosed reports and associated documents reflects the City of Quincy's coastal structure information that will eventually be input into a state-wide GIS database and will be accessible through MassGIS. This data, when compiled state-wide, will be critical in the development of both short term and 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 - Quincy

Part B

Structure Assessment Reports



COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering

SHEET 1

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

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BCE Bourne Consulting Engineering

SHEET 2

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bent Street
Franklin, MA 02038
TEL. (508) 533-8000 FAX. (508) 533-8008

SHEET 3

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
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Franklin, MA 02038
TEL. (508) 553-0000 FAX. (508) 553-0000

SHEET 4

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bent Street
Franklin, MA 02038
TEL. (508) 553-4666 FAX. (508) 553-4669

SHEET 5

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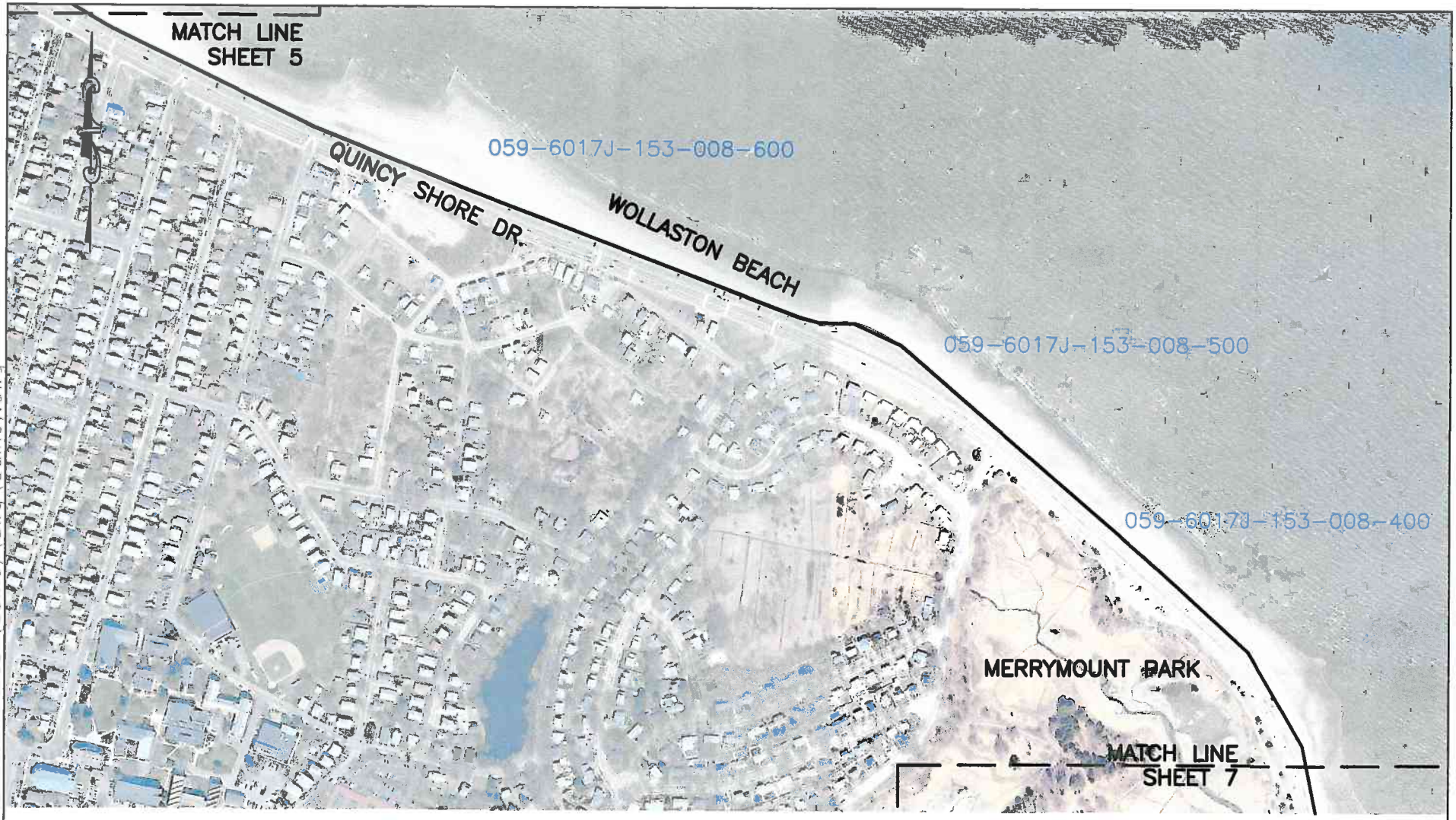

COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
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Franklin, MA 02038
TEL. (508) 533-4466 FAX (508) 533-4469

SHEET 6

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

Bourne Consulting Engineering
3 Bank Street
Franklin, MA 02038
TEL. (508) 553-0000 FAX. (508) 553-0000

SHEET 7

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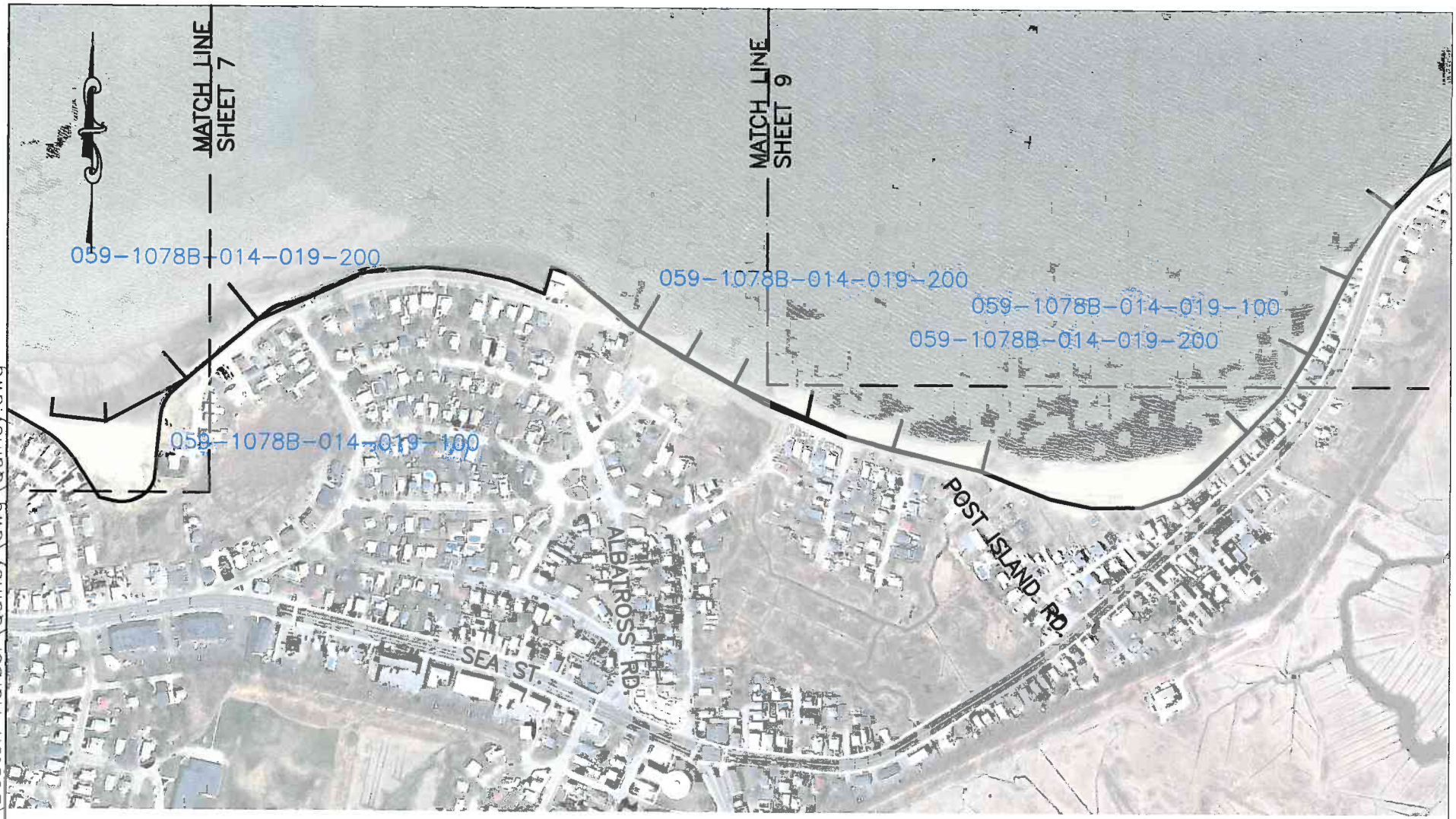


COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

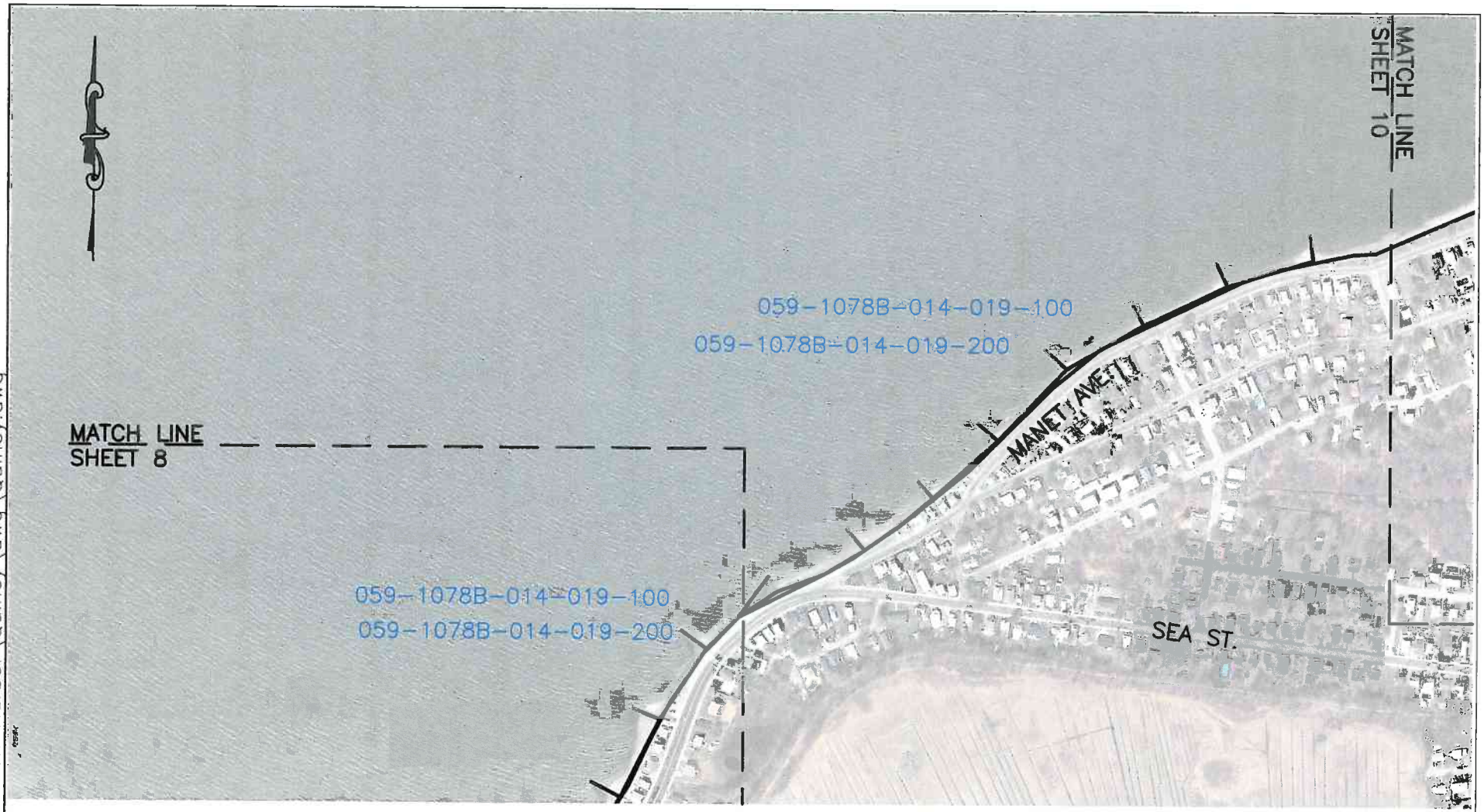
0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bank Street
Franklin, MA 02038
TEL. (508) 533-6000 FAX (508) 533-6000

SHEET 8

File: X:\27652-\27667\Boston Harbor\Quincy\dwg\Quincy.dwg



COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

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SCALE: 1" = 150'-0"

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SHEET 9

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

Bourne Consulting Engineering
2 Beal Street
Framingham, MA 01702
TEL. (508) 533-0666 FAX. (508) 533-0668

SHEET 10

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 East Street
Franklin, MA 02038
TEL. (508) 553-4000 FAX. (508) 553-4040

SHEET 11

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bank Street
Franklin, MA 02038
TEL. (508) 553-8000 FAX. (508) 553-8080

SHEET 12

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bank Street
Franklin, MA 02038
TEL. (508) 553-4000 FAX (508) 553-4000

SHEET 13

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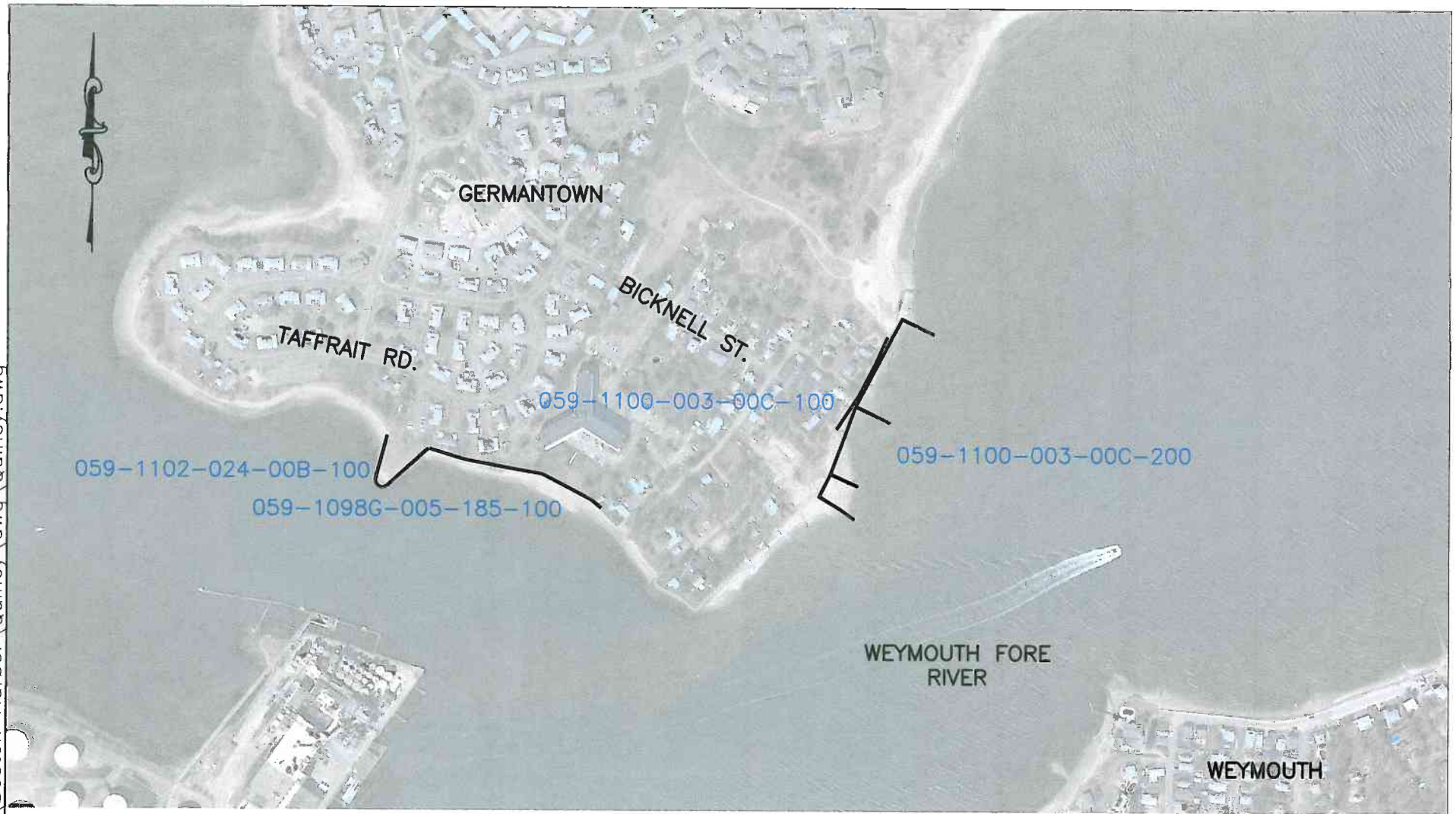

COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering

SHEET 14

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

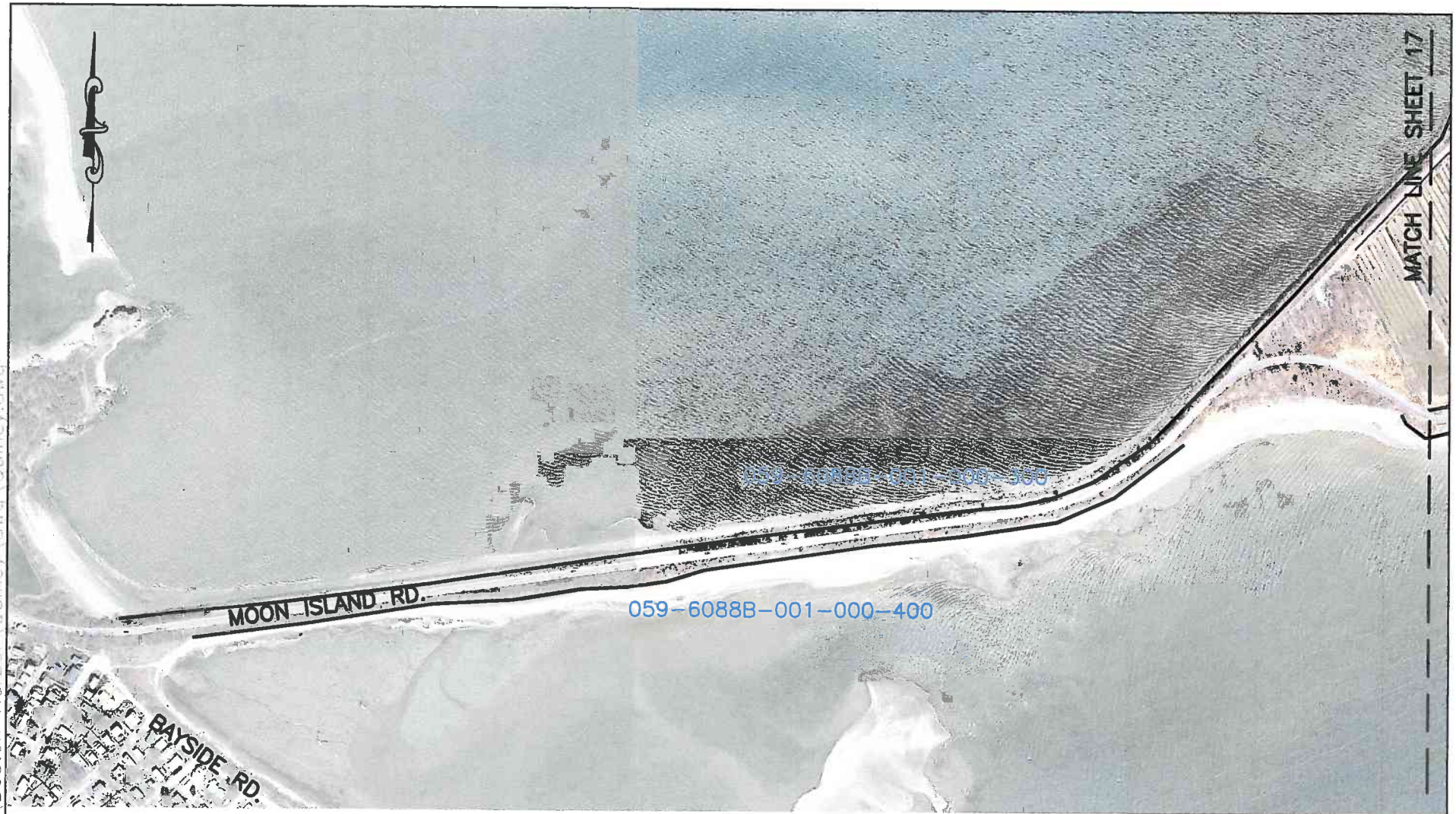
0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
2 Pond Street
Franklin, MA 02038
TEL. (508) 553-0005 FAX. (508) 553-0009

SHEET 15

File: X:\27652-\27667\Boston Harbor\Quincy\dwg\Quincy.dwg



COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bond Street
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TEL. (508) 533-4488 FAX. (508) 533-4489

SHEET 16

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COASTAL STRUCTURE LOCATION PLAN

CITY OF QUINCY
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150
SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Pond Street
Franklin, MA 02038
TEL. (508) 533-4488 FAX. (508) 533-4489

SHEET 17

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1003-020-058-100

Key: community-map-block-parcel-structure

Property Owner: Local

Location: Island Avenue

Date: 6/21/2007

Presumed Structure Owner: Local

Based On Comment:

Owner Name: Quincy

Earliest Structure Record: Unkown

Estimated Reconstruction/Repair Cost: $39,039.00

Length: 325 Feet

Top Elevation: Feet NAVD 88

FIRM Map Zone: AE

FIRM Map Elevation: 10 Feet NGVD

Primary Type: Revetment

Primary Material: Stone

Primary Height: 5 to 10 Feet

Secondary Type:

Secondary Material:

Secondary Height:

Structure Summary :

Placed stone riprap set at a 1 on 1 slope. Stone are 3 feet by 3 feet by 2 feet on average. No visible scour, but minor stone movement.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images: 059-1003-020-058-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1004-015-000-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Nut Island Avenue	6/21/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	Unkown	$53,196.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
260 Feet	Feet NAVD 88	AE	10 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

Precast seawall with a wave return face. There is placed a placed stone revetment in front of the wall. The stones are set at a 1 on 1 slope and the stones are 3 feet by 2 feet by 2 feet on average. Minor stone movement and no visible scour. There is a road behind and houses.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	IV High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-1004-015-000-100-PHO1A.JPG

059-1004-015-000-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1036-008-188-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Edgewater Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1949	$428,274.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1575 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

The precast wall has a wave return face. Below there is a 3 feet wide shelf of stone blocks. The riprap is comprised of stones that are approximately 3 feet by 2 feet by 2 feet in size. There is a road and houses located behind the structure.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1036-008-188-100-PHO1A.JPG

059-1036-008-188-100-PHO1B.JPG

Structure Documents:

MA-DCR	1949	The Commonwealth	059-1036-008-188-100-DCR1A
MA-DCR	June 1956	Department of Public	059-1036-008-188-100-DCR1B
MA-DCR	January 196	Proposed Shore	059-1036-008-188-100-DCR1C
MA-DCR	May 1972	Proposed Shore	059-1036-008-188-100-DCR1D

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1036-008-188-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Edgewater Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1947	$45,540.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
345 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped stone groins have stones that are approximately 3 feet by 2 feet by 2 feet in size. There is some stone movement. There is no visible scour. The groins are approximately 10 to 15 feet long.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1036-008-188-200-PHO2A.JPG

Structure Documents:

USACE	December 3,	Proposed Groins in	059-1036-008-188-200-COE2A
MA-DCR	June 1956	Department of Public	059-1036-008-188-200-DCR2A
MA-DCR	May 1972	Proposed Shore	059-1036-008-188-200-DCR2B
DEP	January 27,	Plan Accompanying	059-1036-008-188-200-LIC2A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1049-007-013-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Rock Island Road	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1955	$1,087,680.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
4000 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

The bottom half of the wall is a cast in place wall with a wave return face and the top is a 4 feet high by 1.5 feet wide cast in place wall. The cast in place wall on top does not continue for the entire length of the wall. There are stairs to the beach and riprap. The stones are approximately 3 feet by 2 feet by 2 feet. The toe is buried. There are areas of riprap that are totally buried. Behind is a road and houses.

Condition	B
Rating	Good
Level of Action	Minor
Description	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.

Priority	III
Rating	Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1049-007-013-100-PHO1A.JPG

Structure Documents:

MA-DCR	August 1955	Proposed Shore	059-1049-007-013-100-DCR1A
MA-DCR	May 1967	Proposed Shore	059-1049-007-013-100-DCR1B

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1056-033-019-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Spring Street	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1956	$36,828.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
180 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

The mortared stone block seawall has stones that are approximately 3 feet by 1.5 feet by 1.5 feet. The wall has areas of undermine and erosion. The placed riprap is approximately 3 feet by 2 feet by 1 foot with a 1 on 4 slope. There is some settling. There is a flood relief drain in the slope.

Condition Rating	B
Rating	Good
Level of Action	Minor
Description	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.

Priority Rating	II
Rating	Low Priority
Action	Future Project Consideration
Description	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

059-1056-033-019-100-PHO1A.JPG

Structure Documents:

MA-DCR	August 1956	The Commonwealth	059-1056-033-019-100-DCR1A
DEP	July 29, 199	Plan Accompanying	059-1056-033-019-100-LIC1A
Quincy	1956	Sea wall. Locus d	059-1056-033-019-100-TWN1A
Quincy	1993-94	Seawall Phase III	059-1056-033-019-100-TWN1B

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1076E-363-303-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Rockland Street	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1991	$275,880.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
110 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The bridge abutment wall is made up of 2 feet by 1 foot by 1 foot stones. The stones have lost mortar and have unraveled in sections. Many areas of fill are loose and there is erosion behind the wall. Below the bridge is a shallow canal leading to a marsh. Above the bridge is a rural street.

Condition Rating	D Poor
Level of Action	Major
Description	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. 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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1076E-363-303-100-PHO1A.JPG

Structure Documents:

DEP	July 29, 199	Plan Accompanying	059-1076E-363-303-100-LIC1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1078B-014-019-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Post Island	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1941	$21,677,436.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
10650 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	10 to 15 Feet

Structure Summary :

The precast wall has 4 feet high by 1.3 feet wide sections with wave return face. The riprap has a 1 on 2 slope. The stones are approximately 5 feet by 2 feet by 2 feet. The toe is buried and all the stones are buried in some areas. There is minor cracking and spalling. There are some areas with erosion behind the wall. Some sections have been replaced. A road and houses are located directly behind the wall.

Condition Rating	C Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1078B-014-019-100-PHO1A.JPG

059-1078B-014-019-100-PHO1B.JPG

Structure Documents:

USACE	December 1	Proposed Seawall	059-1078B-014-019-100-COE1A
USACE	November 1	Proposed Seawall	059-1078B-014-019-100-COE1B
USACE	October 3, 1	Proposed Seawall	059-1078B-014-019-100-COE1C
USACE	January 19,	Proposed Seawall	059-1078B-014-019-100-COE1D
USACE	October 7, 1	Proposed Groin in	059-1078B-014-019-100-COE1E
USACE	June 1959	Proposed Precast	059-1078B-014-019-100-COE1F
USACE	November 1	Proposed Seawall	059-1078B-014-019-100-COE1G
MA-DCR	October 194	Proposed Repairs to	059-1078B-014-019-100-DCR1A
MA-DCR	August 1955	Proposed Shore	059-1078B-014-019-100-DCR1B
MA-DCR	August 1955	Prepared for DPW of	059-1078B-014-019-100-DCR1C

Prepared By: Bourne Consulting Engineering

MA-DCR	May 1957	Proposed Shore	059-1078B-014-019-100-DCR1D
MA-DCR	June 1958	Proposed Shore	059-1078B-014-019-100-DCR1E
MA-DCR	August 1959	Proposed Shore	059-1078B-014-019-100-DCR1F
MA-DCR	December 1	Proposed Shore	059-1078B-014-019-100-DCR1G
MA-DCR	November 1	Proposed Shore	059-1078B-014-019-100-DCR1H
DEP	October 31,	Plan Accompanying	059-1078B-014-019-100-LIC1A

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1078B-014-019-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Post Island	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1941	$519,600.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
2165 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Estimated to be about 20 groins. The placed stones are approximatey 4 feet by 3 feet by 2 feet with one stone width across the crest. The toe is intact with no visible scour.

Condition	B
Rating	Good
Level of Action	Minor
Description	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.

Priority	III
Rating	Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1078B-014-019-200-PHO2A.JPG

059-1078B-014-019-200-PHO2B.JPG

Structure Documents:

USACE	December 1	Proposed Seawall	059-1078B-014-019-200-COE2A
USACE	November 1	Proposed Seawall	059-1078B-014-019-200-COE2B
USACE	October 3, 1	Proposed Seawall	059-1078B-014-019-200-COE2C
USACE	January 19,	Proposed Seawall	059-1078B-014-019-200-COE2D
USACE	October 7, 1	Proposed Groin in	059-1078B-014-019-200-COE2E
USACE	April 1958	Proposed Groin and	059-1078B-014-019-200-COE2F
MA-DCR	August 1955	Proposed Shore	059-1078B-014-019-200-DCR2A
MA-DCR	May 1957	Proposed Shore	059-1078B-014-019-200-DCR2B
MA-DCR	November 1	Proposed Shore	059-1078B-014-019-200-DCR2C
DEP	November 1	Plan Accompanying	059-1078B-014-019-200-LIC2A

Prepared By: Bourne Consulting Engineering

Structure Assessment Form

Town: Quincy

Structure ID: 059-1078B-014-019-200

Key: community-map-block-parcel-structure

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1094X-020-002-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Palmer Street	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1957	$175,309.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1165 Feet	Feet NAVD 88	AE	11 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The precast seawall has a wave return face. There is a road and houses located behind the structure. The dumped riprap is comprised of stones that are approximately 4 feet by 2 feet by 2 feet in size. There is no scour visible. The mean high water comes to half way up the riprap. There is minor undermining.

Condition Rating	B Good	*Priority Rating*	IV High Priority
Level of Action	Minor	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

059-1094X-020-002-100-PHO1A.JPG

Structure Documents:

MA-DCR	August 1959	Proposed Shore	059-1094X-020-002-100-DCR1A
MA-DCR	July 1970	Proposed Shore	059-1094X-020-002-100-DCR1B
Quincy	1957	Proposed Seawall	059-1094X-020-002-100-TWN1A
Quincy	1959	Plan Shore	059-1094X-020-002-100-TWN1B
Quincy	1959	Seawall 3 of 3	059-1094X-020-002-100-TWN1C
Quincy	1968	Topo of Seawall	059-1094X-020-002-100-TWN1D
Quincy	1968	Proposed Seawall	059-1094X-020-002-100-TWN1E
Quincy	1969	Plan Showing	059-1094X-020-002-100-TWN1F
Quincy	1969	Taking and	059-1094X-020-002-100-TWN1G
Quincy	1975	Plan of Seawall	059-1094X-020-002-100-TWN1H

Prepared By: Bourne Consulting Engineering

Structure Assessment Form

Town: Quincy

Structure ID: 059-1094X-020-002-100

Key: community-map-block-parcel-structure

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1097J-001-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Chickatabot Road	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1956	$0.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
265 Feet	Feet NAVD 88	VE	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The precast wall has a wave break face. The wall is approximately 1.5 feet at the top and 4 feet at the base. The structure protects the road and houses behind it. There appears to be recent construction or repair. The placed riprap is mortared. The stones are approximately 4 feet by 3 feet by 2 feet in size. There is undermining and voids under the stones throughout.

Condition Rating	A Excellent
Level of Action	None
Description	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.

Priority Rating	V Immediate / Highest Priority
Action	Consider For Immediate Action Due to Public Safety and Welfare Issues
Description	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Condition 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)

Structure Images:

059-1097J-001-001-100-PHO1A.JPG

059-1097J-001-001-100-PHO1B.JPG

Structure Documents:

MA-DCR	August 1959	Proposed Shore	059-1097J-001-001-100-DCR1A
MA-DCR	2/3/1970	Squantum Force	059-1097J-001-001-100-DCR1B
MA-DCR	February 19	Proposed Shore	059-1097J-001-001-100-DCR1C
Quincy	1956	Seawall at	059-1097J-001-001-100-TWN1A
Quincy	1959	Proposed Seawall	059-1097J-001-001-100-TWN1B
Quincy	1959	Seawall 10 of 3	059-1097J-001-001-100-TWN1C
Quincy	1959	Seawall 1 of 3	059-1097J-001-001-100-TWN1D
Quincy	1959	Plan Shore	059-1097J-001-001-100-TWN1E
Quincy	1973	Sketch Proposed	059-1097J-001-001-100-TWN1F
Quincy	1992	Seawall Rehab	059-1097J-001-001-100-TWN1G

Prepared By: Bourne Consulting Engineering

Structure Assessment Form

Town: Quincy

Structure ID: 059-1097J-001-001-100

Key: community-map-block-parcel-structure

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1098G-005-185-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Taffrail Road	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1964	$86,031.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
395 Feet	Feet NAVD 88	AE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The precast wall has a wave return face. There is minor cracking on the wall. There is no undermining or scour. The dumped riprap is comprised of stones that are approximately 2 feet by 1 foot in size. Most of the riprap is burried. There are many houses and an apartment building behind the structures.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	V Immediate / Highest Priority
Action	Consider For Immediate Action Due to Public Safety and Welfare Issues
Description	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Condition 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)

Structure Images:

059-1098G-005-185-100-PHO1A.JPG

Structure Documents:

MA-DCR	August 1964	Proposed Shore	059-1098G-005-185-100-DCR1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1100-003-00C-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Prescott Terrace	6/14/2007
Presumed Structure Owner:	**Based On Comment:**	
Local		
Owner Name:	**Earliest Structure Record:**	**Estimated Reconstruction/Repair Cost:**
Quincy	1947	$273,240.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
360 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	5 to 10 Feet
Secondary Type:	**Secondary Material:**	**Secondary Height:**

Structure Summary :

The placed riprap has asphalt as mortar. It is at a 1 on 1 slope with a crest that is approximately 6 to 10 feet wide. Some of the stones have become unraveled. There is undermining and scour throughout the structure. There are many concrete fill in repairs.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-1100-003-00C-100-PHO1A.JPG

059-1100-003-00C-100-PHO1B.JPG

059-1100-003-00C-100-PHO1C.JPG

Structure Documents:

USACE	July 21, 194	Proposed Groins and	059-1100-003-00C-100-COE1A
Quincy	1947	Plan showing	059-1100-003-00C-100-TWN1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1100-003-00C-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Prescott Terrace	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1947	$99,600.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
150 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped riprap groins has stones of approximately 3 feet by 2 feet by 2 feet size. Some of the stones have become unraveled. The groins are submerged at mean high water.

Condition Rating	C Fair
Level of Action Description	Moderate 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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	II Low Priority
Action Description	Future Project Consideration Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

059-1100-003-00C-200-PHO2A.JPG

059-1100-003-00C-200-PHO2B.JPG

059-1100-003-00C-200-PHO2C.JPG

Structure Documents:

USACE	July 21, 194	Proposed Groins and	059-1100-003-00C-200-COE2A
Quincy	1947	Plan showing	059-1100-003-00C-200-TWN2A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1102-024-00B-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Taffrail Road	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1964	$207,900.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
625 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped riprap is comprised of stones that are approximately 3 feet by 2 feet by 2 feet in size. There is erosion behind and throughout the structure. Some of the stones have settled and unraveled. The riprap is around a land outcrop.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	I
	None
Action	Long Term Planning Considerations
Description	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

059-1102-024-00B-100-PHO1A.JPG

Structure Documents:

MA-DCR	August 1964	Proposed Shore	059-1102-024-00B-100-DCR1A
DEP	December 1	Plan Accompanying	059-1102-024-00B-100-LIC1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1105U-002-00A-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Shore Avenue	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1956	$14,520.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
110 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped riprap groin has stones that are approximately 4 feet by 2 feet by 2 feet in size. The stones extend to just past mean high water. To the west of the groin is a private beach.

Condition Rating	B – Good	*Priority Rating*	I – None
Level of Action	Minor	*Action*	Long Term Planning Considerations
Description	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.	*Description*	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

059-1105U-002-00A-100-PHO1A.JPG

Structure Documents:

MA-DCR	2/3/1970	Squantum Force	059-1105U-002-00A-100-DCR1A
Quincy	1956	Plan Showing	059-1105U-002-00A-100-TWN1A
Quincy	1956	Seawall Repairs	059-1105U-002-00A-100-TWN1B
Quincy	1959	Proposed Seawall	059-1105U-002-00A-100-TWN1C
Quincy	1972	Sketch Proposed	059-1105U-002-00A-100-TWN1D

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-1110-009-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Southern Artery	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1940	$59,459.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
495 Feet	Feet NAVD 88	AE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped crushed stone is 12 inches thick. There is a 1 on 2 to a 1 on 4 slope. The structure protects a small park and car dealership behind it. There are several outfalls coming out of the slope.

Condition Rating	B Good	*Priority Rating*	III Moderate Priority
Level of Action	Minor	*Action*	Consider for Active Project Improvement Listing
Description	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.	*Description*	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-1110-009-001-100-PHO1A.JPG

059-1110-009-001-100-PHO1B.JPG

Structure Documents:

Quincy	1940	Plan showing	059-1110-009-001-100-TWN1A
Quincy	1940	Plan duanes permit	059-1110-009-001-100-TWN1B

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-2031-006-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Southern Artery	6/14/2007

Presumed Structure Owner: Local

Based On Comment:

Owner Name: Quincy

Earliest Structure Record: Unkown

Estimated Reconstruction/Repair Cost: $37,191.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
245 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The cast in place abutment is 1.5 feet thick built along approximately 25 feet of the bridge for Route 3A spanning over the canal to Boston. There are minor cracks. There is no visible erosion.

Condition	B
Rating	Good
Level of Action	Minor
Description	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.

Priority	III
Rating	Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-2031-006-001-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	Unkown	$46,339.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
295 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Concrete	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap is at a 1 on 1 slope. The stones are mortared. The toe is well burried. There is a culvert in the middle of the structure with a cast in place wall. Behind is a road and in front is a beach. There is some stone movement and voids at the toe.

Condition Rating	B Good	*Priority Rating*	IV High Priority
Level of Action	Minor	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

059-6017J-153-008-100-PHO1A.JPG

Structure Documents:

MA-DCR	3/26/1926	Quincy Shore	059-6017J-153-008-100-DCR1A
MA-DCR	2/3/1970	Squantum Force	059-6017J-153-008-100-DCR1B
MA-DCR	April 1975	Quincy Shore Drive	059-6017J-153-008-100-DCR1C
DEP	August 10, 1	Plan Accompanying	059-6017J-153-008-100-LIC1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	Unkown	$0.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
820		AE	14
Feet	Feet NAVD 88		Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap has a 15 foot crest and 1 on 1 slope. This is possible new construction. There is a road behind the structure and a rocky beach in front.

Condition Rating	A	*Priority Rating*	IV
	Excellent		High Priority
Level of Action	None	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

059-6017J-153-008-200-PHO2A.JPG

Structure Documents:

MA-DCR	3/26/1926	Quincy Shore	059-6017J-153-008-200-DCR2A
MA-DCR	2/3/1970	Squantum Force	059-6017J-153-008-200-DCR2B
MA-DCR	April 1975	Quincy Shore Drive -	059-6017J-153-008-200-DCR2C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-300

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
DCR	Unkown	$0.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
395 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The cast in place wall is approximately 2 feet wide by 3 feet high (inshore) by 10 feet (outshore). There is no visible scour or erosion. The road is behind the structure and the beach is in front of it.

Condition Rating	A Excellent
Level of Action	None
Description	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.

Priority Rating	IV High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-6017J-153-008-300-PHO3A.JPG

Structure Documents:

MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-300-DCR3A
MA-DCR	1/8/1904	As Built Survey -	059-6017J-153-008-300-DCR3B
MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-300-DCR3C
MA-DCR	7/6/1910	Quincy Shore	059-6017J-153-008-300-DCR3D
MA-DCR	3/22/2001	Lower Neponset	059-6017J-153-008-300-DCR3E
MA-DCR	3/26/1926	Quincy Shore	059-6017J-153-008-300-DCR3F
MA-DCR	2/3/1970	Squantum Force	059-6017J-153-008-300-DCR3G
MA-DCR	April 1975	Quincy Shore Drive	059-6017J-153-008-300-DCR3H

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-300

Key: community-map-block-parcel-structure

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-400

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	1901	$0.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1625 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed riprap with a 15 feet crest and 1 on 1 slope. Possible newly constructed. The road is located behind the structure and a rocky beach is in front of it.

Condition Rating	A Excellent	*Priority Rating*	IV High Priority
Level of Action	None	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

059-6017J-153-008-400-PHO4A.JPG

Structure Documents:

MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-400-DCR4A
MA-DCR	1/8/1904	As Built Survey -	059-6017J-153-008-400-DCR4B
MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-400-DCR4C
MA-DCR	7/6/1910	Quincy Shore	059-6017J-153-008-400-DCR4D
MA-DCR	3/22/2001	Lower Neponset	059-6017J-153-008-400-DCR4E
MA-DCR		Quincy Shore	059-6017J-153-008-400-DCR4F
MA-DCR	3/26/1926	Quincy Shore	059-6017J-153-008-400-DCR4G
MA-DCR	2/3/1970	Squantum Force	059-6017J-153-008-400-DCR4H
MA-DCR	April 1975	Quincy Shore Drive	059-6017J-153-008-400-DCR4I

Prepared By: Bourne Consulting Engineering

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-400

Key: community-map-block-parcel-structure

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-500

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	1901	$0.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
625 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The newly constructed cast in place wall has a cast in place cap. The cap is 2 feet wide and 3 feet high inshore. Outshore the cap ranges in height from 5 feet to 10 feet. The road is located behind the boardwalk and the sandy beach is in front.

Condition Rating	A Excellent	*Priority Rating*	IV High Priority
Level of Action	None	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

059-6017J-153-008-500-PHO5A.JPG

Structure Documents:

MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-500-DCR5A
MA-DCR	1/8/1904	As Built Survey -	059-6017J-153-008-500-DCR5B
MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-500-DCR5C
MA-DCR	7/24/1945	Quincy Shore	059-6017J-153-008-500-DCR5D
MA-DCR	5/10/1943	Quincy Shore	059-6017J-153-008-500-DCR5E
MA-DCR	9/26/1929	Quincy Shore	059-6017J-153-008-500-DCR5F
MA-DCR	7/6/1910	Quincy Shore	059-6017J-153-008-500-DCR5G
MA-DCR	9/26/1929	Quincy Shore	059-6017J-153-008-500-DCR5H
MA-DCR	5/10/1943	Quincy Shore	059-6017J-153-008-500-DCR5I
MA-DCR		Quincy Shore	059-6017J-153-008-500-DCR5J

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-500

Key: community-map-block-parcel-structure

MA-DCR	3/26/1926	Quincy Shore	059-6017J-153-008-500-DCR5K
MA-DCR	2/30/1970	Squantum Force	059-6017J-153-008-500-DCR5L

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-600

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
DCR	1901	$0.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
5875 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The newly constructed cast in place wall has a cast in place cap. The cap is 2 feet wide by 3 feet high inshore by 5 feet high outshore. Behind the structure is a road and in front is a sandy beach.

Condition Rating	A Excellent
Level of Action	None
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-6017J-153-008-600-PHO6A.JPG

Structure Documents:

MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-600-DCR6A
MA-DCR	1/8/1904	As Built Survey -	059-6017J-153-008-600-DCR6B
MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-600-DCR6C
MA-DCR	12/29/1954	William T. Morrisey	059-6017J-153-008-600-DCR6D
MA-DCR	7/24/1945	Quincy Shore	059-6017J-153-008-600-DCR6E
MA-DCR		Additional Shore	059-6017J-153-008-600-DCR6F
MA-DCR	11/1/1948	Quincy Shore	059-6017J-153-008-600-DCR6G
MA-DCR	8/22/1938	Quincy Shore	059-6017J-153-008-600-DCR6H
MA-DCR	7/28/1937	Quincy Shore	059-6017J-153-008-600-DCR6I
MA-DCR	6/25/1936	Quincy Shore	059-6017J-153-008-600-DCR6J

Prepared By: Bourne Consulting Engineering

MA-DCR	11/1/1948	Quincy Shore	059-6017J-153-008-600-DCR6K
MA-DCR	8/22/1938	Quincy Shore	059-6017J-153-008-600-DCR6L
MA-DCR	7/28/1937	Quincy Shore	059-6017J-153-008-600-DCR6M
MA-DCR	6/25/1936	Quincy Shore	059-6017J-153-008-600-DCR6N
MA-DCR	7/6/1910	Quincy Shore	059-6017J-153-008-600-DCR6O
MA-DCR	12/29/1954	William T. Morrisey	059-6017J-153-008-600-DCR6P
MA-DCR	7/24/1945	Quincy Shore	059-6017J-153-008-600-DCR6Q
MA-DCR	11/1/1949	Quincy Shore	059-6017J-153-008-600-DCR6R
MA-DCR	11/13/1907	Quincy Shore	059-6017J-153-008-600-DCR6S
MA-DCR	3/26/1926	Quincy Shore	059-6017J-153-008-600-DCR6T
MA-DCR	2/3/1970	Squantum Force	059-6017J-153-008-600-DCR6U
MA-DCR	N/A	Proposed Harbor	059-6017J-153-008-600-DCR6V
DEP	February 3,	Proposed Seawall	059-6017J-153-008-600-LIC6A
DEP	November 1	Wollaston Beach	059-6017J-153-008-600-LIC6B

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-700

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
DCR		$10,560.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
125 Feet	Feet NAVD 88	VE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Cast in place concrete wall with a concrete cap. The cap is 2 feet wide. The wall is 3 feet high inshore and 5 feet high outshore. Behind the structure is a parking area, a road and houses. In front of the structure is a sandy beach. There is minor cracking on the wall.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

- 059-6017J-153-008-700-PHO7A.JPG
- 059-6017J-153-008-700-PHO7B.JPG
- 059-6017J-153-008-700-PHO7C.JPG

Structure Documents:

MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-700-DCR7A
MA-DCR	1/8/1904	As Built Survey -	059-6017J-153-008-700-DCR7B
MA-DCR	12/19/1901	Wollaston Beach	059-6017J-153-008-700-DCR7C
MA-DCR	7/6/1910	Quincy Shore	059-6017J-153-008-700-DCR7D

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6017J-153-008-800

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Quincy Shore Drive	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	Unkown	$178,286.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1135 Feet	Feet NAVD 88	AE	11 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped riprap is at a 1 on 3 slope. The stones are approximately 2 feet by 1.5 feet by 1 foot. There is a road behind the structure and a rocky beach in front. There is no sign of scour. There is some stone movement.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	IV High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-6017J-153-008-800-PHO8A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6076-040-018-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Squantum Point Park	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	1948	$4,227,300.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1525 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Steel	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The sheet pile bulkhead has failed from corrosion and section loss. The concrete cap is 2 feet by 2 feet that is cracking and spalling throughout.

Condition Rating	F Critical
Level of Action Description	Immediate 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.

Priority Rating	II Low Priority
Action Description	Future Project Consideration Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

059-6076-040-018-100-PHO1A.JPG

059-6076-040-018-100-PHO1B.JPG

Structure Documents:

MA-DCR	2/9/2000	Squantum Point	059-6076-040-018-100-DCR1A
MA-DCR	6/30/1948	Map of U.S. Naval Air	059-6076-040-018-100-DCR1B
MA-DCR	6/30/1949	Map of U.S. Naval Air	059-6076-040-018-100-DCR1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6076-040-018-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Squantum Point Park	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	1948	$27,588.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
110 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Cast in place concrete structure that provides steps from the park to the beach. There are benches on top of the structure. No sign of scour. Minor cracking.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	I None
Action	Long Term Planning Considerations
Description	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

059-6076-040-018-200-PHO2A.JPG

Structure Documents:

MA-DCR	2/9/2000	Squantum Point	059-6076-040-018-200-DCR2A
MA-DCR	6/30/1948	Map of U.S. Naval Air	059-6076-040-018-200-DCR2B
MA-DCR	6/30/1949	Map of U.S. Naval Air	059-6076-040-018-200-DCR2C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6076-040-018-300

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Squantum Point Park	6/27/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	1948	$388,740.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
310 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Steel	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Sheet pile bulkhead is heavily corroded. It has a 2 feet by 2 feet concrete cap. The cap is cracking and spalling. Behind the structure is a park and in front is a beach. The majority of the structure is burried by sand.

Condition Rating	C Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	I None
Action	Long Term Planning Considerations
Description	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

059-6076-040-018-300-PHO3A.JPG

Structure Documents:

MA-DCR	2/9/2000	Squantum Point	059-6076-040-018-300-DCR3A
MA-DCR	6/30/1948	Map of U.S. Naval Air	059-6076-040-018-300-DCR3B
MA-DCR	6/30/1949	Map of U.S. Naval Air	059-6076-040-018-300-DCR3C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6076-066-043-100

Key: community-map-block-parcel-structure

Property Owner: Local

Location: Commander Shea Boulevard

Date: 6/27/2007

Presumed Structure Owner: Local

Based On Comment:

Owner Name: Quincy

Earliest Structure Record: Unkown

Estimated Reconstruction/Repair Cost: $354,354.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
590 Feet	Feet NAVD 88	AE	11 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped riprap varies in size. The slope is 1 on 2. The road is behind the structure and a marsh is in front of it. A large culvert is built into the slope.

Condition Rating	C Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images: 059-6076-066-043-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6076-067-042-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Commander Shea Boulevard	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	Unkown	$273,273.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
455 Feet	Feet NAVD 88	AE	10 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The dumped riprap varies in size. The slope is 1 on 2. The road is behind the structure and a marsh is in front of it. A large culvert is built into the slope.

Condition Rating	C Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-6076-067-042-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6088B-001-000-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Moon Island - Boston Fire Academy	6/11/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Boston	Unknown	$212,850.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1075 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Over 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Stone block seawall with stone approximately 6 feet by 3 feet by 4 feet set six courses high. Few areas of missing stone and unrevaling. Behind the wall is placed stone rip rap, a parking lot and The Boston Frie Academy. No signs of scour at the base.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-6088B-001-000-100-PHO1A.JPG

059-6088B-001-000-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6088B-001-000-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Moon Island	6/11/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Boston	Unknown	$158,400.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
400 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Over 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Stone block structure built for the now abandoned drainage system behind it. Blocks are set six courses high and approximately 6 feet by 3 feet by 4 feet. Moderate to heavy stone movement and unraveling. The brick pipes behind have failed.

Condition Rating	D Poor
Level of Action	Major
Description	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. 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.

Priority Rating	II Low Priority
Action	Future Project Consideration
Description	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

059-6088B-001-000-200-PHO2A.JPG

059-6088B-001-000-200-PHO2B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6088B-001-000-300

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Moon Island	6/11/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Boston	Unknown	$4,451,700.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
5700 Feet	Feet NAVD 88	VE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed stone revetment with stone approximately 3 feet by 3 feet. Stones are placed and the toe extends out to about 10 feet outshore. The structure slope is 1 on 1. There were areas of shifting and movement throughout. Behind the structure is the only road to Moon and Long Island. This is the North side of the causeway.

Condition Rating	C Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	V Immediate / Highest Priority
Action	Consider For Immediate Action Due to Public Safety and Welfare Issues
Description	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Condition 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)

Structure Images:

059-6088B-001-000-300-PHO3A.JPG

059-6088B-001-000-300-PHO3B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6088B-001-000-400

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Moon Island	6/11/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Boston	Unknown	$2,733,500.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
3500 Feet	Feet NAVD 88	AE	10 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed Stone rip rap with stone approximately 3 feet by 3 feet. Behind is the only road to Moon and Long Islands. This is the south side of the causeway. Moderate stone movement and shifting. No visable scour. Creast is one stone wide.

Condition Rating	C Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	V Immediate / Highest Priority
Action	Consider For Immediate Action Due to Public Safety and Welfare Issues
Description	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Condition 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)

Structure Images:

059-6088B-001-000-400-PHO4A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6088B-001-000-500

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Moon Island	6/11/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Boston	Unknown	$859,100.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1100 Feet	Feet NAVD 88	AE	11 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed stone rip with stone approximately 3 feet by 3 feet at the base. Stone size decrease up the slop, at the top tone size is about 1 foot by 1 foot. Minor scour at the base.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-6088B-001-000-500-PHO5A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6092-017-57B-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Dorchester Street	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1958	$3,881,658.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
2855 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

The precast wall with wave return face has 2 feet by 3 feet sections. There is a road and houses behind the structure. The riprap is placed at a 1 on 1 slope. There is no sign of scour or movement of stones. The wall has many areas of erosion behind it. There is some gravel fill in areas.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

059-6092-017-57B-100-PHO1A.JPG

Structure Documents:

MA-DCR	N/A	Transportation	059-6092-017-57B-100-DCR1A
MA-DCR	May 1958	Proposed Shore	059-6092-017-57B-100-DCR1B
MA-DCR	December 1	Proposed Shore	059-6092-017-57B-100-DCR1C
MA-DCR	March 1960	Proposed Shore	059-6092-017-57B-100-DCR1D
MA-DCR	December 1	Proposed Shore	059-6092-017-57B-100-DCR1E

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6108A-012-516-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Orchard Beach	6/27/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Quincy	1956	$146,837.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
360 Feet	Feet NAVD 88	VE	16 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	10 to 15 Feet

Structure Summary :

The precast wall with wave return face is 2 feet wide by 4 feet high. The riprap is on a 1 to 2 slope. The dumped stones are approximately 2 feet by 1 foot by 1 foot. The toe is burried. There is no visible scour. Some shifting in the stones. There is minor cracking in the wall.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

059-6108A-012-516-100-PHO1A.JPG

Structure Documents:

MA-DCR	June 1956	Prepared for DPW of	059-6108A-012-516-100-DCR1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Quincy

Structure ID: 059-6169-044-002-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Neponset Bridge	6/27/2007

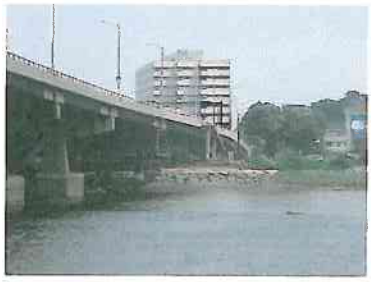
Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	Unkown	$47,124.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
300 Feet	Feet NAVD 88	AE	11 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:



Structure Summary :

Placed stone riprap at a 1 on 1 slope. The stones are approximately 3 feet by 3 feet by 2 feet. It protects the street and acts as an abutment to the bridge. The toe is burried well. No sign of stones shifting or movement.

Condition Rating	B Good	*Priority Rating*	V Immediate / Highest Priority
Level of Action	Minor	*Action*	Consider For Immediate Action Due to Public Safety and Welfare Issues
Description	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.	*Description*	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Condition 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)

Structure Images:

059-6169-044-002-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

Section II - Quincy

Part C

Structure Photographs

CITY: QUINCY
SOURCE: BCE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: OCTOBER 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
059-1003-020-058-100	059-1003-020-058-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1004-015-000-100	059-1004-015-000-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1004-015-000-100	059-1004-015-000-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1036-008-188-100	059-1036-008-188-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1036-008-188-100	059-1036-008-188-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1036-008-188-200	059-1036-008-188-200-PHO2A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1049-007-013-100	059-1049-007-013-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1056-033-019-100	059-1056-033-019-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1076E-363-303-100	059-1076E-363-303-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1078B-014-019-100	059-1078B-014-019-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1078B-014-019-100	059-1078B-014-019-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1078B-014-019-200	059-1078B-014-019-200-PHO2A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1078B-014-019-200	059-1078B-014-019-200-PHO2B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1094X-020-002-100	059-1094X-020-002-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1097J-001-001-100	059-1097J-001-001-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1097J-001-001-100	059-1097J-001-001-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1098G-005-185-100	059-1098G-005-185-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1100-003-00C-100	059-1100-003-00C-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1100-003-00C-100	059-1100-003-00C-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1100-003-00C-100	059-1100-003-00C-100-PHO1C.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1100-003-00C-200	059-1100-003-00C-200-PHO2A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1100-003-00C-200	059-1100-003-00C-200-PHO2B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey

CITY: QUINCY
SOURCE: BCE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: OCTOBER 2007

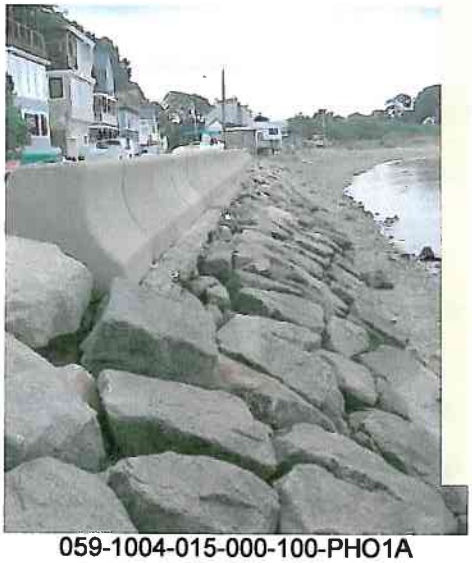
059-1100-003-00C-200	059-1100-003-00C-200-PHO2C.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1102-024-00B-100	059-1102-024-00B-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1105U-002-00A-100	059-1105U-002-00A-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1110-009-001-100	059-1110-009-001-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-1110-009-001-100	059-1110-009-001-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-2031-006-001-100	059-2031-006-001-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-100	059-6017J-153-008-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-200	059-6017J-153-008-200-PHO2A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-300	059-6017J-153-008-300-PHO3A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-400	059-6017J-153-008-400-PHO4A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-500	059-6017J-153-008-500-PHO5A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-600	059-6017J-153-008-600-PHO6A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-700	059-6017J-153-008-700-PHO7A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-700	059-6017J-153-008-700-PHO7B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-700	059-6017J-153-008-700-PHO7C.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6017J-153-008-800	059-6017J-153-008-800-PHO8A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6076-040-018-100	059-6076-040-018-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6076-040-018-100	059-6076-040-018-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6076-040-018-200	059-6076-040-018-200-PHO2A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6076-040-018-300	059-6076-040-018-300-PHO3A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6076-066-043-100	059-6076-066-043-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6076-067-042-100	059-6076-067-042-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-100	059-6088B-001-000-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey

CITY: QUINCY
SOURCE: BCE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: OCTOBER 2007

059-6088B-001-000-100	059-6088B-001-000-100-PHO1B.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-200	059-6088B-001-000-100-PHO2A.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-200	059-6088B-001-000-100-PHO2B.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-300	059-6088B-001-000-100-PHO3A.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-300	059-6088B-001-000-100-PHO3B.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-400	059-6088B-001-000-100-PHO4A.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6088B-001-000-500	059-6088B-001-000-100-PHO5A.jpg		Bourne Consulting Engineering	Quincy	June 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6092-017-57B-100	059-6092-017-57B-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6108A-012-516-100	059-6108A-012-516-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
059-6169-044-002-100	059-6169-044-002-100-PHO1A.jpg		Bourne Consulting Engineering	Quincy	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey

Photo's Corrected 7/31

059-1003-020-058-100-PHO1A



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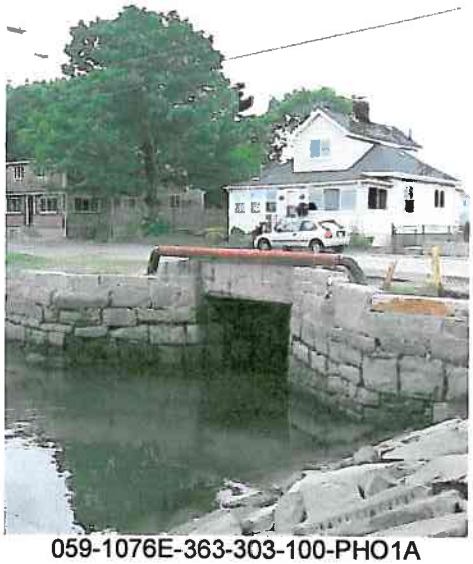

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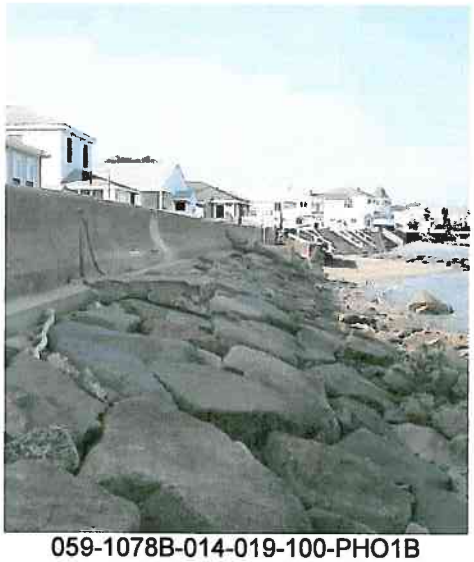
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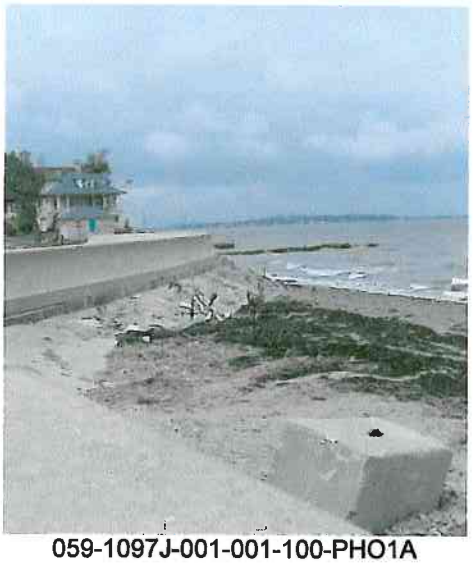
059-1078B-014-019-200-PHO2B


059-1094X-020-002-100-PHO1A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059-1100-003-00C-100-PHO1A


059-1100-003-00C-100-PHO1B


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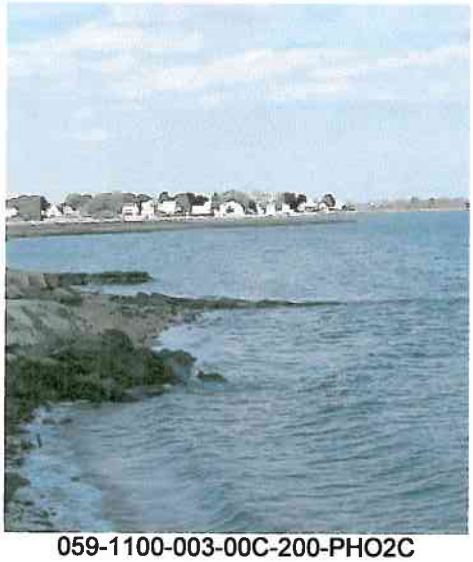
059-1100-003-00C-200-PHO2A


059-1100-003-00C-200-PHO2B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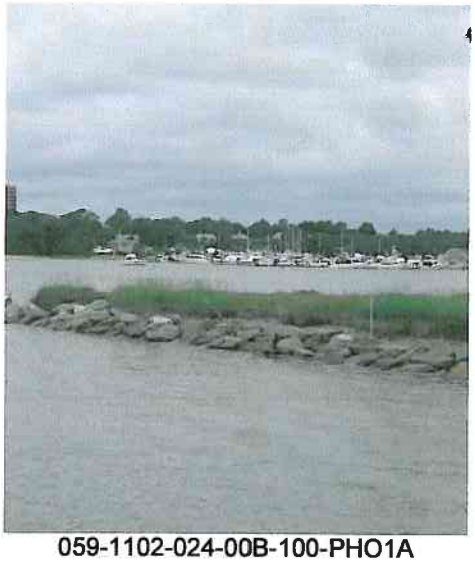
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059-1105U-002-00A-100-PHO1A


059-1110-009-001-100-PHO1A


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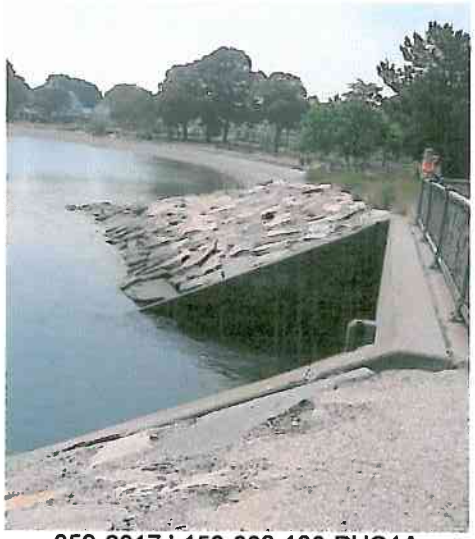
059-2031-006-001-100-PHO1A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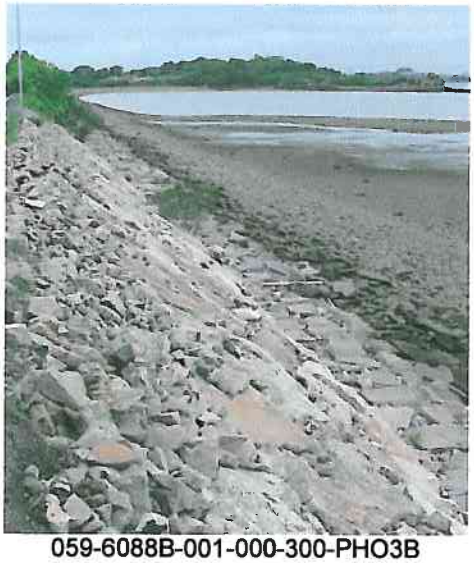
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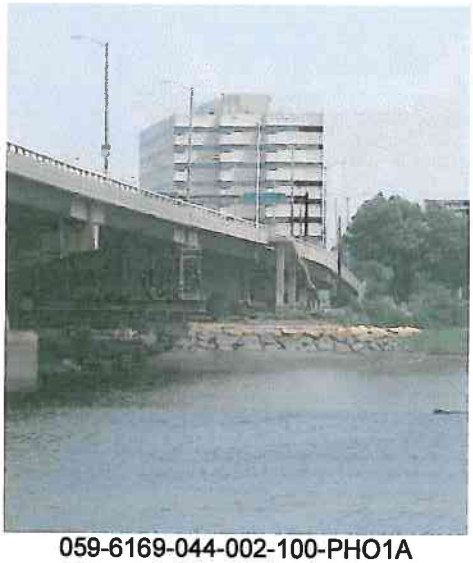


059-6169-044-002-100-PHO1A

Section II - Quincy

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

CITY: QUINCY
SOURCE: City of Quincy
LOCATION: CITY
DATE OF RESEARCH: SEPTEMBER 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
059-1056-033-019-100	059-1056-033-019-100-TWN1A	23	Quincy	Quincy	1956	Sea wall. Locus d	4 of 5	Drawer 47	Rockland Street
059-1056-033-019-100	059-1056-033-019-100-TWN1B	47	Quincy	Quincy	1993-94	Seawall Phase III		Drawer 47	
059-1094X-020-002-100	059-1094X-020-002-100-TWN1A	70	Quincy	Quincy	1957	Proposed sea wall repairs & beach improvements	2	Drawer 29	
059-1094X-020-002-100	059-1094X-020-002-100-TWN1B	73	Quincy	Quincy	1959	Plan shore protection and seawall		Drawer 23	#213-231 opp. Grace
059-1094X-020-002-100	059-1094X-020-002-100-TWN1C	31	Quincy	Quincy	1959	Sea wall 3 of 3			From Brockton Avenue to Grace Street
059-1094X-020-002-100	059-1094X-020-002-100-TWN1D	73	Quincy	Quincy	1968	topo of seawall		Drawer 29	From Grace Road to Shed Street
059-1094X-020-002-100	059-1094X-020-002-100-TWN1E	85	Quincy	Quincy	1968	Proposed sea wall		Drawer 29	From Bowes Avenue to Roach Street
059-1094X-020-002-100	059-1094X-020-002-100-TWN1F	22	Quincy	Quincy	1969	Plan showing proposed sea wall		Drawer 31	
059-1094X-020-002-100	059-1094X-020-002-100-TWN1G	1677	Quincy	Quincy	1969	taking and easement plan for seawall			
059-1094X-020-002-100	059-1094X-020-002-100-TWN1H		Quincy	Quincy	1975	Plan of sea wall	44	Drawer 34	From roach street to bowes avenue
059-1097J-001-001-100	059-1097J-001-001-100-TWN1A	23	Quincy	Quincy	1956	Seawall at Narragansett Locus B	2 of 5	Drawer 47	
059-1097J-001-001-100	059-1097J-001-001-100-TWN1B	74	Quincy	Quincy	1959	Proposed Seawall and Sand Fill		Drawer 23	
059-1097J-001-001-100	059-1097J-001-001-100-TWN1C	33	Quincy	Quincy	1959	Seawall 10 of 3		Drawer 47	Narragansett Road
059-1097J-001-001-100	059-1097J-001-001-100-TWN1D	31	Quincy	Quincy	1959	Seawall 1 of 3		Drawer 47	At Narragansett road
059-1097J-001-001-100	059-1097J-001-001-100-TWN1E	74	Quincy	Quincy	1959	Plan Shore Protection and Seawall		Drawer 23	Opposite Narragansett Road
059-1097J-001-001-100	059-1097J-001-001-100-TWN1F	332	Quincy	Quincy	1973	Sketch Proposed Seawall		Drawer 30	End of Narragansett
059-1097J-001-001-100	059-1097J-001-001-100-TWN1G	6	Quincy	Quincy	1992	Seawall Rehab Phase 1		Drawer 51	

CITY: QUINCY
SOURCE: City of Quincy
LOCATION: CITY
DATE OF RESEARCH: SEPTEMBER 2007

059-1100-003-00C-100	059-1100-003-00C-100-TWN1A	5182	Quincy	Quincy	1947	Plan showing proposed shore protection		Germantown	
059-1100-003-00C-200	059-1100-003-00C-200-TWN2A	5182	Quincy	Quincy	1947	Plan showing proposed shore protection		Germantown	
059-1105U-002-00A-100	059-1105U-002-00A-100-TWN1A	33	Quincy	Quincy	1956	Plan Showing Proposed Seawalls Built 1972		Drawer 32	
059-1105U-002-00A-100	059-1105U-002-00A-100-TWN1B	23	Quincy	Quincy	1958	Seawall Repairs Locus A, Sheets 1 of 5		Drawer 47	
059-1105U-002-00A-100	059-1105U-002-00A-100-TWN1C	74	Quincy	Quincy	1959	Proposed Seawall and Sand Fill		Drawer 23	
059-1105U-002-00A-100	059-1105U-002-00A-100-TWN1D	332	Quincy	Quincy	1972	Sketch Proposed Seawall		Drawer 30	End of Narragansett Road
059-1110-009-001-100	059-1110-009-001-100-TWN1A	8801	Quincy	Quincy	1940	Plan showing blukhead at duanes			near field street
059-1110-009-001-100	059-1110-009-001-100-TWN1B		Quincy	Quincy	1940	Plan duanes permit to build bulkhead comm. Of mass			near field street

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

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
047-025D-000-000-100	047-025D-000-000-100-DCR1A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1	Lynn Harbor	
047-025D-000-000-100	047-025D-000-000-100-DCR1B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1	Lynn Harbor	
047-025D-000-000-100	047-025D-000-000-100-DCR1C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beach	31		
047-025D-000-000-100	047-025D-000-000-100-DCR1D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-100	047-025D-000-000-100-DCR1E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-100	047-025D-000-000-100-DCR1F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross-Sections of Seawall and Riprap
047-025D-000-000-100	047-025D-000-000-100-DCR1G		MA-DCR	Quincy		Cross-Sections of Lynn and Nahant Beaches			Bench Mark - Boston City Base
047-025D-000-000-100	047-025D-000-000-100-DCR1H	42981	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			
047-025D-000-000-100	047-025D-000-000-100-DCR1I	39829	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-100	047-025D-000-000-100-DCR1J	11666	MA-DCR	Quincy	12/16/1916	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground - Lynn Harbor	2		
047-025D-000-000-100	047-025D-000-000-100-DCR1K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-100	047-025D-000-000-100-DCR1L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-100	047-025D-000-000-100-DCR1M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-100	047-025D-000-000-100-DCR1N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7	Washington Street, Lynn to Wilson Road, Nahant	
047-025D-000-000-100	047-025D-000-000-100-DCR1O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-200	047-025D-000-000-200-DCR2A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-200	047-025D-000-000-200-DCR2B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		

047-025D-000-000-200	047-025D-000-000-200-DCR2C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beach	31		
047-025D-000-000-200	047-025D-000-000-200-DCR2D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-200	047-025D-000-000-200-DCR2E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-200	047-025D-000-000-200-DCR2F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross Sections of Seawall and Riprap
047-025D-000-000-200	047-025D-000-000-200-DCR2G		MA-DCR	Quincy		Cross Sections - Lynn and Nahant Beach			Bench Mark - Boston City Base
047-025D-000-000-200	047-025D-000-000-200-DCR2H	42961	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			
047-025D-000-000-200	047-025D-000-000-200-DCR2I	39829	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-200	047-025D-000-000-200-DCR2J	11668	MA-DCR	Quincy	12/18/1916	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground in Lynn Harbor	2		
047-025D-000-000-200	047-025D-000-000-200-DCR2K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-200	047-025D-000-000-200-DCR2L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-200	047-025D-000-000-200-DCR2M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-200	047-025D-000-000-200-DCR2N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7	Washington Street, Lynn to Wilson Road, Nahant	
047-025D-000-000-200	047-025D-000-000-200-DCR2O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-300	047-025D-000-000-300-DCR3A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling	1		
047-025D-000-000-300	047-025D-000-000-300-DCR3B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		
047-025D-000-000-300	047-025D-000-000-300-DCR3C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beach	31		
047-025D-000-000-300	047-025D-000-000-300-DCR3D	47536	MA-DCR	Quincy	5/22/1972	Nahant Abeach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-300	047-025D-000-000-300-DCR3E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		

047-025D-000-000-300	047-025D-000-000-300-DCR3F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross-Sections of Seawall and Riprap
047-025D-000-000-300	047-025D-000-000-300-DCR3G		MA-DCR	Quincy		Cross-Sections Lynn and Nahant Beach			Bench Mark - Boston City Base
047-025D-000-000-300	047-025D-000-000-300-DCR3H	42961	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			
047-025D-000-000-300	047-025D-000-000-300-DCR3I	39828	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-300	047-025D-000-000-300-DCR3J	11666	MA-DCR	Quincy	12/18/1916	Nahant Beach Parkway - Plan for Grading Slopes at Nahant Playground - Lynn Harbor	2		
047-025D-000-000-300	047-025D-000-000-300-DCR3K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-300	047-025D-000-000-300-DCR3L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan for Shore Protection	1		
047-025D-000-000-300	047-025D-000-000-300-DCR3M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-300	047-025D-000-000-300-DCR3N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7	Washington Street, Lynn to Wilson Road, Nahant	
047-025D-000-000-300	047-025D-000-000-300-DCR3O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-400	047-025D-000-000-400-DCR4A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-400	047-025D-000-000-400-DCR4B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		
047-025D-000-000-400	047-025D-000-000-400-DCR4C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beach	31		
047-025D-000-000-400	047-025D-000-000-400-DCR4D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm damage Repairs and Other Improvements	2		
047-025D-000-000-400	047-025D-000-000-400-DCR4E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Repairs - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-400	047-025D-000-000-400-DCR4F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross-Sections of Seawall and Riprap
047-025D-000-000-400	047-025D-000-000-400-DCR4G		MA-DCR	Quincy		Cross Sections - Lynn and Nahant Beach			Bench Mark - Boston City Base
047-025D-000-000-400	047-025D-000-000-400-DCR4H	42961	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			

047-025D-000-000-400	047-025D-000-000-400-DCR4I	39829	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-400	047-025D-000-000-400-DCR4J	12/18/1916	MA-DCR	Quincy	11666	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground in Lynn Harbor	2		
047-025D-000-000-400	047-025D-000-000-400-DCR4K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-400	047-025D-000-000-400-DCR4L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-400	047-025D-000-000-400-DCR4M	21491	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-400	047-025D-000-000-400-DCR4N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7	Washington Street, Lynn to Wilson Road, Nahant	
047-025D-000-000-400	047-025D-000-000-400-DCR4O	54072	MA-DCR	Quincy	Sugust 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-500	047-025D-000-000-500-DCR5A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Shwoing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-500	047-025D-000-000-500-DCR5B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		
047-025D-000-000-500	047-025D-000-000-500-DCR5C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beach	31		
047-025D-000-000-500	047-025D-000-000-500-DCR5D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-500	047-025D-000-000-500-DCR5E	47536	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-500	047-025D-000-000-500-DCR5F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross-Sections of Seawall and Riprap
047-025D-000-000-500	047-025D-000-000-500-DCR5G		MA-DCR	Quincy		Cross-Sections - Lynn and Nahant Beaches			Bench Mark - Boston City Base
047-025D-000-000-500	047-025D-000-000-500-DCR5H	42981	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			
047-025D-000-000-500	047-025D-000-000-500-DCR5I	39829	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-500	047-025D-000-000-500-DCR5J	11666	MA-DCR	Quincy	12/18/1916	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground in Lynn Harbor	2		
047-025D-000-000-500	047-025D-000-000-500-DCR5K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		

047-025D-000-000-500	047-025D-000-000-500-DCR5L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-500	047-025D-000-000-500-DCR5M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Resevation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-500	047-025D-000-000-500-DCR5N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7		
047-025D-000-000-500	047-025D-000-000-500-DCR5O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-600	047-025D-000-000-600-DCR6A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-600	047-025D-000-000-600-DCR6B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		
047-025D-000-000-600	047-025D-000-000-600-DCR6C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beaches	31		
047-025D-000-000-600	047-025D-000-000-600-DCR6D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-600	047-025D-000-000-600-DCR6E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-600	047-025D-000-000-600-DCR6F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross Sections of Seawall and Riprap
047-025D-000-000-600	047-025D-000-000-600-DCR6G		MA-DCR	Quincy		Cross-Sections - Lynn and Nahant Beaches			
047-025D-000-000-600	047-025D-000-000-600-DCR6H	42961	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvement at Nahant Beach			
047-025D-000-000-600	047-025D-000-000-600-DCR6I	39829	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-600	047-025D-000-000-600-DCR6J	11666	MA-DCR	Quincy	12/18/1916	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground in Lynn Harbor	2		
047-025D-000-000-600	047-025D-000-000-600-DCR6K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-600	047-025D-000-000-600-DCR6L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-600	047-025D-000-000-600-DCR6M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-600	047-025D-000-000-600-DCR6N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7		

047-025D-000-000-600	047-025D-000-000-600-DCR6O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-700	047-025D-000-000-700-DCR7A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-700	047-025D-000-000-700-DCR7B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		
047-025D-000-000-700	047-025D-000-000-700-DCR7C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beaches	31		
047-025D-000-000-700	047-025D-000-000-700-DCR7D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-700	047-025D-000-000-700-DCR7E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-700	047-025D-000-000-700-DCR7F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross Sections of Seawall and Riprap
047-025D-000-000-700	047-025D-000-000-700-DCR7G		MA-DCR	Quincy		Cross Sections - Lynn and Nahant Beaches			Bench Mark - Boston City Base
047-025D-000-000-700	047-025D-000-000-700-DCR7H	42961	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			
047-025D-000-000-700	047-025D-000-000-700-DCR7I	39829	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-700	047-025D-000-000-700-DCR7J	11666	MA-DCR	Quincy	12/18/1916	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground in Lynn Harbor	2		
047-025D-000-000-700	047-025D-000-000-700-DCR7K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-700	047-025D-000-000-700-DCR7L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-700	047-025D-000-000-700-DCR7M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-700	047-025D-000-000-700-DCR7N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7		
047-025D-000-000-700	047-025D-000-000-700-DCR7O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
047-025D-000-000-800	047-025D-000-000-800-DCR8A	10198	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-800	047-025D-000-000-800-DCR8B	10032	MA-DCR	Quincy	11/3/1913	Nahant Beach Parkway - Plan Showing Location of Proposed Filling in Lynn Harbor	1		

047-025D-000-000-800	047-025D-000-000-800-DCR8C	PW-H-708	MA-DCR	Quincy	December 1961	Cross-Sections - Lynn and Nahant Beaches	31		
047-025D-000-000-800	047-025D-000-000-800-DCR8D	47536	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	2		
047-025D-000-000-800	047-025D-000-000-800-DCR8E	47208	MA-DCR	Quincy	September 1971	Nahant Beach Reservation - Repairs to Granite Seawall and Other Improvements	2		
047-025D-000-000-800	047-025D-000-000-800-DCR8F	46735	MA-DCR	Quincy	4/30/1969	Nahant Beach Reservation - Reconstruction and Widening of Nahant Beach Parkway	7		Cross Sections of Seawalls and Riprap
047-025D-000-000-800	047-025D-000-000-800-DCR8G		MA-DCR	Quincy		Cross Sections - Lynn and Nahant Beaches			Bench Mark - Boston City Base
047-025D-000-000-800	047-025D-000-000-800-DCR8H	42961	MA-DCR	Quincy	11/24/1964	Nahant Beach Parkway - Proposed Improvements at Nahant Beach			
047-025D-000-000-800	047-025D-000-000-800-DCR8I	39629	MA-DCR	Quincy	6/9/1961	Nahant Beach Parkway - Storm Damage Repairs	3		
047-025D-000-000-800	047-025D-000-000-800-DCR8J	11866	MA-DCR	Quincy	12/18/1916	Nahant Beach Parkway - Plan for Grading Slopes of Nahant Playground in Lynn Harbor	2		
047-025D-000-000-800	047-025D-000-000-800-DCR8K	10197	MA-DCR	Quincy	3/23/1914	Nahant Beach Parkway - Plan Showing Location of Proposed Bulkhead and Filling in Lynn Harbor	1		
047-025D-000-000-800	047-025D-000-000-800-DCR8L	21491	MA-DCR	Quincy	6/7/1933	Nahant Beach Parkway - Plan of Shore Protection	1		
047-025D-000-000-800	047-025D-000-000-800-DCR8M	47535	MA-DCR	Quincy	5/22/1972	Nahant Beach Reservation - Proposed Storm Damage Repairs and Other Improvements	1		
047-025D-000-000-800	047-025D-000-000-800-DCR8N	27503	MA-DCR	Quincy	1/22/1947	Nahant Beach Parkway - Reconstruction of Roadway - Washington Street, Lynn to Wilson Road, Nahant	7	Washington Street, Lynn to Wilson Road, Nahant	
047-025D-000-000-800	047-025D-000-000-800-DCR8O	54072	MA-DCR	Quincy	August 1972	Nahant Beach Reservation - Proposed Concrete Wall	1		
059-1036-008-188-100	059-1036-008-188-100-DCR1A	33	MA-DCR	Quincy	1949	The Commonwealth of Massachusetts - Port of Boston Authority - Commonwealth Pier No. 5 - South Boston, MA - Record Plan - Shore Protection Houghe Neck, Quincy - Section 2	1	Sea Street, Bay View Avenue, Thomas Street	Stone Wall and Riprap
059-1036-008-188-100	059-1036-008-188-100-DCR1B	1613	MA-DCR	Quincy	June 1956	Department of Public Works - Division of Waterways - Proposed Shore Protection, Seawall Repairs and Beach Improvements at Four Locations in Quincy	4	Edgewater Drive, Snug Harbor, Nut Island Avenue and Bayside Road	Seawall and Beach Improvements
059-1036-008-188-100	059-1036-008-188-100-DCR1C	2409	MA-DCR	Quincy	January 1964	Proposed Shore Protection - Reconstruction of Masonary Seawall - Vicinity o Edgewater Drive - Hough's Neck - Quincy - Prepared for DPW of MA - Division of Waterways	1	Edgewater Drive	Seawall
059-1036-008-188-100	059-1036-008-188-100-DCR1D	2729	MA-DCR	Quincy	May 1972	Proposed Shore Protection, Concrete Seawall and Stone Mound - Weymouth Fore River - Vicinity of Rock Island Road and Edgewater Drive - Prepared for DPW of MA - Division of	2	Rock Island Road to Edgewater Drive	Seawall and Stone Mound
059-1036-008-188-200	059-1036-008-188-200-DCR2A	1613	MA-DCR	Quincy	June 1956	Department of Public Works of MA - Prepared for DPW of MA - Division of Waterways - Proposed Shore Protection, Seawall Repairs and Beach Improvements at Four Locations in Quincy	4	Edgewater Drive, Snug Harbor, Nut Island Avenue and Bayside Road	Seawall and Beach Improvements

059-1036-008-188-200	059-1036-008-188-200-DCR2B	2729	MA-DCR	Quincy	May 1972	Proposed Shore Protection, Concrete Seawall and Stone Mound - Weymouth Fore River - Vicinity of Rock Island Road and Edgewater Drive - Prepared for DPW of MA - Division of	2	Rock Island Road to Edgewater Drive	Seawall and Stone Mound
059-1049-007-013-100	059-1049-007-013-100-DCR1A	1522	MA-DCR	Quincy	August 1955	Proposed Shore Protection and Seawall Repairs at 4 Locations in Quincy - Prepared for DPW of MA - Division of Waterways	4	Norton Road, Shelton Road, Nut Island Road and Edgewater Drive	Seawall and Riprap
059-1049-007-013-100	059-1049-007-013-100-DCR1B	2570	MA-DCR	Quincy	May 1967	Proposed Shore Protection - Precast Concrete Seawall, Rock Island Road - Vicinity of Hood and Tower Street	2	Hood Street and Tower Street	Seawall
059-1056-033-019-100	059-1056-033-019-100-DCR1A	1640	MA-DCR	Quincy	August 1956	The Commonwealth of Massachusetts Prepared for DPW of MA - Division of Waterways - Proposed Shore Protection and Seawall Repairs at Five Locations in Quincy	5	Shore Avenue, Shellton Road, Rockland Street and Post Island Road	Seawall and Riprap
059-1078B-014-019-100	059-1078B-014-019-100-DCR1A	728	MA-DCR	Quincy	October 1941	Proposed Repairs to manet Avenue Seawall - Hough's Neck - Quincy - Prepared for DPW of MA - Division of Waterways	1	Manet Avenue	Seawall
059-1078B-014-019-100	059-1078B-014-019-100-DCR1B	1522	MA-DCR	Quincy	August 1955	Proposed Shore Protection and Seawall Repairs at Four Locations in Quincy - Prepared for DPW of MA - Division of Waterways	4	Norton Road, Shellton Road, Nut Island Road, and Edgewater Drive	Seawall s and Riprap
059-1078B-014-019-100	059-1078B-014-019-100-DCR1C	1640	MA-DCR	Quincy	August 1955	Prepared for DPW of MA - Division of Waterways - Proposed Shore Protection and Seawall Repairs at Five Locations in Quincy	5	Shore Avenue, Shellton Road, Rockland Street and Post Island Road	Seawall and Riprap
059-1078B-014-019-100	059-1078B-014-019-100-DCR1D	1781	MA-DCR	Quincy	May 1957	Proposed Shore Protection - Seawall Repairs and Beach Improvements at Two Locations in Quincy - Prepared for DPW of MA - Division of Waterways	2	Heron Road and Baker Beach	Seawall, Fill and Groin
059-1078B-014-019-100	059-1078B-014-019-100-DCR1E	2083	MA-DCR	Quincy	June 1958	Proposed Shore Protection - Precast Concrete Seawall, Stone Mound and Fill at Shelton Road - Quincy - Prepared for DPW of MA - Division of Waterways	1	Shelton Road	Concrete Seawall
059-1078B-014-019-100	059-1078B-014-019-100-DCR1F	2075	MA-DCR	Quincy	August 1959	Proposed Shore Protection - Houghs Neck - Seawall Reconstruction - Vicinity of Terne Road - Quincy - Prepared for DPW of MA - Division of Waterways	3	Terne Road	Seawall
059-1078B-014-019-100	059-1078B-014-019-100-DCR1G	2078	MA-DCR	Quincy	December 1959	Proposed Shore Protection - Quincy, MA - Precast Concrete Seawall and Stone Mound at Shelton Road - Prepared for DPW of MA - Division of Waterways	1	Shelton Road	Concrete Seawall and Stone Mound
059-1078B-014-019-100	059-1078B-014-019-100-DCR1H	2569	MA-DCR	Quincy	November 1966	Proposed Shore Protection - Precast Concrete Seawall, Stone Mound - Manet Avenue - In Vicinity of Malvern and Oswago Streets - Prepared for DPW of MA - Division of Waterways	1	Manet Avenue	Seawall and Stone Mound
059-1078B-014-019-200	059-1078B-014-019-200-DCR2A	1522	MA-DCR	Quincy	August 1955	Proposed Shore Protection and Seawall Repairs at Four Locations in Quincy - Prepared for DPW of MA - Division of Waterways	4	Norton Road, Shelton Road, Nut Island Road and Edgewater Drive	Seawalls and Riprap
059-1078B-014-019-200	059-1078B-014-019-200-DCR2B	1781	MA-DCR	Quincy	May 1957	Proposed Shore Protection - Seawall Repairs and Beach Improvements at Two Locations in Quincy - Prepared for DPW of MA - Division of Waterways	2	Heron Road and Baker Beach	Seawall, Fill and Groin
059-1078B-014-019-200	059-1078B-014-019-200-DCR2C	2569	MA-DCR	Quincy	November 1966	Proposed Shore Protection - Precast Concrete Seawall, Stone Mound - Manet Avenue - In Vicinity of Malvern and Oswago Street- Prepared for DPW of MA - Division of Waterways	1	Manet Avenue	Seawall and Stone Mound
059-1094X-020-002-100	059-1094X-020-002-100-DCR1A	2129	MA-DCR	Quincy	August 1959	Proposed Shore Protection and Improvements - Seawalls and Sand Fill - Vicinity of Palmer Street Prepared for DPW of MA - Division of Waterways	3	Palmer Street	Seawalls and Sand Fill
059-1094X-020-002-100	059-1094X-020-002-100-DCR1B	2651	MA-DCR	Quincy	July 1970	Proposed Shore Protection - Concrete Seawall and Stone Mound - Town River Bay - Vicinity of Palmer Street - Prepared for DPW of MA - Division of Waterways	2	Palmer Street	Seawall
059-1097J-001-001-100	059-1097J-001-001-100-DCR1A	2129	MA-DCR	Quincy	August 1959	Proposed Shore Improvements - Stone Revetment Repairs - Germantown Point - Quincy Prepared for DPW of MA - Division of Waterways	3	Shore Avenue and Chickatbut Road	Stone Revetment

059-1097J-001-001-100	059-1097J-001-001-100-DCR1B	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Existing Conditions Shown
059-1097J-001-001-100	059-1097J-001-001-100-DCR1C	2718	MA-DCR	Quincy	February 1972	Proposed Shore Protection - Seawall - Vicinity of Shore Avenue and Chickitabut Road - Prepared for DPW of MA - Division of Waterways	2	Shore Avenue and Chickitabut Road	Seawall
059-1098G-005-185-100	059-1098G-005-185-100-DCR1A	2432	MA-DCR	Quincy	August 1964	Proposed Shore Protection - Precast Seawall and Stone Mound at the Key in the Vicinity of Taffrail Road - Quincy - Prepared for DPW of MA - Division of Waterways	1	Taffrail Road	Seawall and Stone Mound
059-1102-024-00B-100	059-1102-024-00B-100-DCR1A	2432	MA-DCR	Quincy	August 1964	Proposed Shore Protection - Precast Seawall and Stone Mound at the Key in the Vicinity of Taffrail Road - Quincy - Prepared for DPW of MA - Division of Waterways	1	Taffrail Road	Seawall and Stone Mound
059-1105U-002-00A-100	059-1105U-002-00A-100-DCR1A	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Existing Conditions Shown
059-6017J-153-008-100	059-6017J-153-008-100-DCR1A	15638	MA-DCR	Quincy	3/26/1926	Quincy Shore Reservation - Construction Plans - Squantum Street to Furnace Brook Parkway	6		Construction Plans Showing Existing Shore Protection
059-6017J-153-008-100	059-6017J-153-008-100-DCR1B	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Rd	Existing Conditions Shown
059-6017J-153-008-100	059-6017J-153-008-100-DCR1C	62201	MA-DCR	Quincy	April 1975	Quincy Shore Drive Improvements - Fenno Street to Black's Creek Culvert, Quincy	77	Fenno Street to Black's Creek Culvert	
059-6017J-153-008-200	059-6017J-153-008-200-DCR2A	15638	MA-DCR	Quincy	3/26/1926	Quincy Shore Reservation - Construction Plans - Squantum Street to Furnace Brook Parkway	6	Squantum Street to Furnace Brook Parkway	Construction Plans Showing Existing Shore Protection
059-6017J-153-008-200	059-6017J-153-008-200-DCR2B	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Existing Conditions Shown
059-6017J-153-008-200	059-6017J-153-008-200-DCR2C	62201	MA-DCR	Quincy	April 1975	Quincy Shore Drive - Improvements - Fenno Street to Black's Creek Culvert, Quincy	77	Fenno Street to Black's Creek Culvert	
059-6017J-153-008-300	059-6017J-153-008-300-DCR3A	65366X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation	3		
059-6017J-153-008-300	059-6017J-153-008-300-DCR3B	65393X	MA-DCR	Quincy	1/8/1904	As Built Survey - Wollaston Beach Seawall Rehabilitation	10	Quincy Shore Drive	
059-6017J-153-008-300	059-6017J-153-008-300-DCR3C	65346X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation			
059-6017J-153-008-300	059-6017J-153-008-300-DCR3D	8357	MA-DCR	Quincy	7/6/1910	Quincy Shore Reservation and Furnace Brook Parkway Construction Plan for Seawalls	1		
059-6017J-153-008-300	059-6017J-153-008-300-DCR3E	7003X	MA-DCR	Quincy	3/22/2001	Lower Neponset River Trail	49		
059-6017J-153-008-300	059-6017J-153-008-300-DCR3F	15638	MA-DCR	Quincy	3/26/1926	Quincy Shore Reservation - Construction Plans - Squantum Street to Furnace Brook Parkway	6	Squantum Street to Furnace Brook Parkway	Construction Plans - Existing Shore Protection Shown
059-6017J-153-008-300	059-6017J-153-008-300-DCR3G	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Shows Existing Walls, Riprap, etc.

059-6017J-153-008-300	059-6017J-153-008-300-DCR3H	62201	MA-DCR	Quincy	April 1975	Quincy Shore Drive Improvements - Fenno Street to Black's Creek Culvert	77	Fenno Street to Black's Creek Culvert	
059-6017J-153-008-400	059-6017J-153-008-400-DCR4A	65366X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation	3		
059-6017J-153-008-400	059-6017J-153-008-400-DCR4B	65393X	MA-DCR	Quincy	1/8/1904	As Built Survey - Wollaston Beach Seawall Rehabilitation	10	Quincy Shore Drive	
059-6017J-153-008-400	059-6017J-153-008-400-DCR4C	65346X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation			
059-6017J-153-008-400	059-6017J-153-008-400-DCR4D	8357	MA-DCR	Quincy	7/6/1910	Quincy Shore Reservation and Furnace Brook Parkway - Construction Plan for Seawalls	1		
059-6017J-153-008-400	059-6017J-153-008-400-DCR4E	7003X	MA-DCR	Quincy	3/22/2001	Lower Neponset River Trail	49		
059-6017J-153-008-400	059-6017J-153-008-400-DCR4F	C-4-5	MA-DCR	Quincy		Quincy Shore Reservation	1	Fenno Street	Site Plan
059-6017J-153-008-400	059-6017J-153-008-400-DCR4G	15638	MA-DCR	Quincy	3/26/1926	Quincy Shore Reservation - Construction Plans - Squantum Street to Furnace Brook Parkway	6	Squantum Street to Furnace Brook Parkway	
059-6017J-153-008-400	059-6017J-153-008-400-DCR4H	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Shows Existing Conditions
059-6017J-153-008-400	059-6017J-153-008-400-DCR4I	62201	MA-DCR	Quincy	April 1975	Quincy Shore Drive Improvements - Fenno Street to Black's Creek Culvert	77	Fenno Street to Black's Creek Culvert	
059-6017J-153-008-500	059-6017J-153-008-500-DCR5A	65366X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation	3		
059-6017J-153-008-500	059-6017J-153-008-500-DCR5B	65393X	MA-DCR	Quincy	1/8/1904	As Built Survey - Wollaston Beach Seawall Rehabilitation	10	Quincy Shore Drive	
059-6017J-153-008-500	059-6017J-153-008-500-DCR5C	65346X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation			
059-6017J-153-008-500	059-6017J-153-008-500-DCR5D	27038	MA-DCR	Quincy	7/24/1945	Quincy Shore Reservation - Proposed Repairs to Shore Protection Steps - Strand Way to Rice Road - Opposite Hollis Avenue	1	Strand Way to Rice Road/Opposite Hollis Avenue	
059-6017J-153-008-500	059-6017J-153-008-500-DCR5E	26740	MA-DCR	Quincy	5/10/1943	Quincy Shore Reservation - Reconstruction of Seawall and Steps - Rice Road to Fenno Street	1	Rice Road to Fenno Street	
059-6017J-153-008-500	059-6017J-153-008-500-DCR5F	18436	MA-DCR	Quincy	9/26/1929	Quincy Shore Reservation - Plan Showing Proposed Addition to Seawall - Northwest of Fenno Street	1	Northwest of Fenno Street	
059-6017J-153-008-500	059-6017J-153-008-500-DCR5G	8357	MA-DCR	Quincy	7/6/1910	Quincy Shore Reservation and Furnace Brook Parkway - Construction Plan for Seawalls	1		
059-6017J-153-008-500	059-6017J-153-008-500-DCR5H	18436	MA-DCR	Quincy	9/26/1929	Quincy Shore Reservation - Plan Showing Proposed Addition to Seawall - Northwest of Fenno Street	1	Northwest of Fenno Street	

059-6017J-153-008-500	059-6017J-153-008-500-DCR5I	28740	MA-DCR	Quincy	5/10/1943	Quincy Shore Reservation - Reconstruction of Seawall and Steps - Rice Road to Fenno Street	1	Rice Road to Fenno Street	
059-6017J-153-008-500	059-6017J-153-008-500-DCR5J	C-4-5	MA-DCR	Quincy		Quincy Shore Reservation	1	Fenno Street	Site Plan
059-6017J-153-008-500	059-6017J-153-008-500-DCR5K	15638	MA-DCR	Quincy	3/26/1926	Quincy Shore Reservation - Construction Plans Squantum - Street to Furnace Brook Parkway	6	Squantum Street to Furnace Brook Parkway	Construction Plans - Show Existing Shore Protection
059-6017J-153-008-500	059-6017J-153-008-500-DCR5L	46422X	MA-DCR	Quincy	2/30/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Shows Existing Shore Protection
059-6017J-153-008-600	059-6017J-153-008-600-DCR6A	65366X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation	3		
059-6017J-153-008-600	059-6017J-153-008-600-DCR6B	65393X	MA-DCR	Quincy	1/8/1904	As Built Survey - Wollaston Beach Seawall Rehabilitation	10	Quincy Shore Drive	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6C	65346X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation			
059-6017J-153-008-600	059-6017J-153-008-600-DCR6D	33151	MA-DCR	Quincy	12/29/1954	William T. Morrisey Boulevard, Quincy - Repairs to Seawall	1	Rice Road to Morris Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6E	27038	MA-DCR	Quincy	7/24/1945	Quincy Shore Reservation - Proposed Repairs to Shore Protection Steps - Strand Way to Rice Road - Opposite Hollis Avenue	1	Strand Way to Rice Road - Opposite Hollis Avenue	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6F	28780X	MA-DCR	Quincy		Additional Shore Protection - Hollis Avenue to Channing Street	1	Hollis Avenue to Channing Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6G	28181	MA-DCR	Quincy	11/1/1948	Quincy Shore Reservation - Additional Shore Protection - Webster Street to Herbert Road	2	Webster Street to Herbert Road	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6H	24699	MA-DCR	Quincy	8/22/1938	Quincy Shore Reservation - Proposed Reconstruction of Seawall and Steps - Herbert Road to Channing Street	1	Herbert Road to Channing Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6I	23905	MA-DCR	Quincy	7/28/1937	Quincy Shore Reservation - Reconstruction of Seawall and Steps - Milton Road to Carle Road	2	Milton Road to Carle Road	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6J	23176	MA-DCR	Quincy	6/25/1936	Quincy Shore Reservation - Proposed Seawall and Parking Area - Arnold Road to Bromfield Street	1	Arnold Road to Bromfield Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6K	28181X	MA-DCR	Quincy	11/1/1948	Quincy Shore Reservation - Additional Shore Protection - Webster Street to Herbert Road	2	Webster Street to Herbert Road	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6L	24699	MA-DCR	Quincy	8/22/1938	Quincy Shore Reservation - Proposed Reconstruction of Seawall and Steps - Herbert Road to Channing Street	1	Herbert Road to Channing Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6M	23905	MA-DCR	Quincy	7/28/1937	Quincy Shore Reservation - Proposed Reconstruction of Seawall and Steps - Milton Road to Carle Road	1	Milton Road to Carle Road	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6N	23176	MA-DCR	Quincy	6/25/1936	Quincy Shore Reservation - Proposed Seawall and Parking Area - Anthrop Street to Bromfield Street	1	Anthrop Street to Bromfield Street	

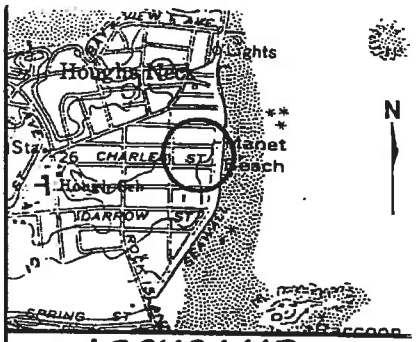
059-6017J-153-008-600	059-6017J-153-008-600-DCR6O	8357	MA-DCR	Quincy	7/6/1910	Quincy Shore Reservation and Furnace Brook Parkway - Construction Plan for Seawalls	1		
059-6017J-153-008-600	059-6017J-153-008-600-DCR6P	33151	MA-DCR	Quincy	12/29/1954	William T. Morrisey Boulevard - Repairs to Seawall	1	Morse Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6Q	27038	MA-DCR	Quincy	7/24/1945	Quincy Shore Reservation - Proposed Repairs to Shore Protection Steps - Strand Way to Rice Road and Opposite Hollis Avenue	1	Strand Way to Rice Road and Opposite Hollis Avenue	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6R	28780X	MA-DCR	Quincy	11/1/1949	Quincy Shore Reservation - Additional Shore Protection - Hollis Avenue to Channing Street	1	Hollis Avenue to Channing Street	
059-6017J-153-008-600	059-6017J-153-008-600-DCR6S	6729	MA-DCR	Quincy	11/13/1907	Quincy Shore Reservation - Plan Showing Proposed Change of Grade on Beach Street	1	Beach Street	Cross-Section and Profile
059-6017J-153-008-600	059-6017J-153-008-600-DCR6T	15638	MA-DCR	Quincy	3/26/1926	Quincy Shore Reservation - Construction Plans - Squantum Street to Furnace Brook Parkway	6	Squantum Street to Furnace Brook Parkway	Construction Plans Showing the Existing Shore Protection
059-6017J-153-008-600	059-6017J-153-008-600-DCR6U	46422X	MA-DCR	Quincy	2/3/1970	Squantum Force Main - Section B - Key Map and Location Plan	10	Squantum Street to Chickatabut Road	Shows Existing Shore Protection
059-6017J-153-008-600	059-6017J-153-008-600-DCR6V	2210	MA-DCR	Quincy	N/A	Proposed Harbor Improvements - Stone Jetty - Quincy Bay - Vicinity of Wollaston Yacht Club - Quincy - Prepared for DPW of MA - Division of Waterways	1	Morrissey Boulevard by Bromfield Street	Jetty
059-6017J-153-008-700	059-6017J-153-008-700-DCR7A	65366X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation	3		
059-6017J-153-008-700	059-6017J-153-008-700-DCR7B	65393X	MA-DCR	Quincy	1/8/1904	As Built Survey - Wollaston Beach Sewall Rehabilitation	10	Quincy Shore Drive	
059-6017J-153-008-700	059-6017J-153-008-700-DCR7C	65346X	MA-DCR	Quincy	12/19/1901	Wollaston Beach Seawall Rehabilitation			
059-6017J-153-008-700	059-6017J-153-008-700-DCR7D	8357	MA-DCR	Quincy	7/6/1910	Quincy Shore Reservation and Furnace Brook Parkway - Construction Plan for Seawalls	1		
059-6076-040-018-100	059-6076-040-018-100-DCR1A	97373	MA-DCR	Quincy	2/9/2000	Squantum Point Park - Phase 1 Construction Documents	14	Squantum Point Park	
059-6076-040-018-100	059-6076-040-018-100-DCR1B	469976	MA-DCR	Quincy	6/30/1948	Map of U.S. Naval Air Station - Squantum, MA - Showing Conditions on 6/30/1948	1	Squantum Point Park	
059-6076-040-018-100	059-6076-040-018-100-DCR1C	480245	MA-DCR	Quincy	6/30/1949	Map of U.S. Naval Air Station - Squantum, MA - Showing Conditions on 6/3/1949	1	Squantum Point Park	
059-6076-040-018-200	059-6076-040-018-200-DCR2A	97373	MA-DCR	Quincy	2/9/2000	Squantum Point Park - Phase 1 Construction Documents	14	Squantum Point Park	
059-6076-040-018-200	059-6076-040-018-200-DCR2B	469976	MA-DCR	Quincy	6/30/1948	Map of U.S. Naval Air Station - Squantum, MA - Showing Conditions on 6/30/1948	1	Squantum Point Park	
059-6076-040-018-200	059-6076-040-018-200-DCR2C	480275	MA-DCR	Quincy	6/30/1949	Map of U.S. Naval Air Station - Squantum, MA - Showing Conditions on 6/30/1949	1	Squantum Point Park	

059-6076-040-018-300	059-6076-040-018-300-DCR3A	97373	MA-DCR	Quincy	2/9/2000	Squantum Point Park - Phase 1 Construction Documents	14	Squantum Point Park	
059-6076-040-018-300	059-6076-040-018-300-DCR3B	469976	MA-DCR	Quincy	6/30/1948	Map of U.S. Naval Air Station - Squantum, MA - Showing Conditions on 6/30/1948	1	Squantum Point Park	
059-6076-040-018-300	059-6076-040-018-300-DCR3C	480275	MA-DCR	Quincy	6/30/1949	Map of U.S. Naval Air Station - Squantum, MA - Showing Conditions on 6/30/1949	1	Squantum Point Park	
059-6092-017-57B-100	059-6092-017-57B-100-DCR1A	3068	MA-DCR	Quincy		Transportation Improvement Project - East Squantum Street	50	East Squantum Street	Cross Section - Riprap
059-6092-017-57B-100	059-6092-017-57B-100-DCR1B	1962	MA-DCR	Quincy	May 1958	Proposed Shore Protection - Concrete and Stone Seawall - Dorchester Bay - Quincy - Prepared for DPW of MA - Division of Waterways	1	Shore Avenue by Trevor Street	Seawall
059-6092-017-57B-100	059-6092-017-57B-100-DCR1C	2079	MA-DCR	Quincy	December 1959	Proposed Shore Protection - Quincy, MA - Precast Concrete Wall and Stone Mound - Dorchester Street - Prepared for DPW of MA - Division of Waterways	2	Dorchester Street	Concrete Wall and Stone Mound
059-6092-017-57B-100	059-6092-017-57B-100-DCR1D	2103	MA-DCR	Quincy	March 1960	Proposed Shore Improvements - Walk and Grading at Seawall - Dorchester Bay - Vicinity of East Squantum Street - Quincy - Prepared for DPW of MA - Division of Waterways	1	East Squantum Street/Dorchester Street	Seawall
059-6092-017-57B-100	059-6092-017-57B-100-DCR1E	2500	MA-DCR	Quincy	December 1965	Proposed Shore Protection - Concrete Seawall and Stone Mound - Dorchester Street - Quincy - Prepared for DPW of MA - Division of Waterways	1	Dorchester Street	Seawall and Stone Mound
059-6108A-012-516-100	059-6108A-012-516-100-DCR1A	1613	MA-DCR	Quincy	June 1956	Prepared for DPW of MA - Division of Waterways - Proposed Shore Protection , Seawall Repairs and Beach Improvements at Four Locations in Quincy	4	Edgewater Drive, Snug Harbor, Nut Island Avenue, and Bayside Road	Seawall and Beach Improvements

TOWN: QUINCY
SOURCE: DEP
LOCATION: BOSTON, MA
DATE OF RESEARCH: JULY 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
059-1036-008-188-200	059-1036-008-188-200-LIC2A	1891	DEP	Quincy	January 27, 1989	Plan Accompanying Petition of City of Quincy Refurbishing of Existing Outfall - Weymouth, Fore River, City of Quincy, Massachusetts	2	Manet Beach at Charles Street	Proposed Riprap Off Existing Seawall
059-1056-033-019-100	059-1056-033-019-100-LIC1A	2698	DEP	Quincy	July 29, 1991	Plan Accompanying Petition of the City of Quincy, MA - Rockland Street Emergency Culvert Repairs	2	Rockland Street and Spring Street	Riprap Around Culvert
059-1076E-363-303-100	059-1076E-363-303-100-LIC1A	2698	DEP	Quincy	July 29, 1991	Plan Accompanying Petition of City of Quincy, MA - Rockland Street Emergency Culvert Repairs	2	Rockland Street and Spring Street	Riprap Around Culvert
059-1078B-014-019-100	059-1078B-014-019-100-LIC1A	2800	DEP	Quincy	October 31, 1991	Plan Accompanying Petition of the City of Quincy for Licensing of Existing Tide Gate, Culverts, and New Inlet and Outlet Structures - Post Island Road, Quincy, MA on Quincy Bay	6	Post Island Road	Shows Existing Seawall
059-1078B-014-019-200	059-1078B-014-019-200-LIC2A	2060	DEP	Quincy	November 14, 1989	Plan Accompanying Petition of City of Quincy - Outfall Sewer Rehabilitation and Replacement - Quincy Bay, City of Quincy, MA	3	Shore Avenue and Chickatabot Road	Riprap Around Outlet Pipe
059-1102-024-00B-100	059-1102-024-00B-100-LIC1A	2857	DEP	Quincy	December 13, 1991	Plan Accompanying Petition of City of Quincy - Emergency Stream Bank Protection - Town River Bay, City of Quincy, Massachusetts	2	North Entrance of Town River Bay	Riprap
059-6017J-153-008-100	059-6017J-153-008-100-LIC1A	6003	DEP	Quincy	August 10, 1972	Plan Accompanying Petition of MDC to Construct a Culvert Seaward Channel and Groin to Remove a Bridge and to Fill a Portion of Black's Creek and to Install Utilities	3	Black's Creek	Stone Fill
059-6017J-153-008-600	059-6017J-153-008-600-LIC6A	4045	DEP	Quincy	February 3, 1958	Proposed Seawall Drain extensions Groin and Sand Fill In Quincy Bay Wollaston Beach at Quincy County of Norfolk, State of Massachusetts - Application by the MDC	2	Quincy Shore Drive	Seawall
059-6017J-153-008-600	059-6017J-153-008-600-LIC6B	9844	DEP	Quincy	November 17, 2003	Wollaston Beach Restoration Project	10	Wollaston Beach	Beach Nourishment

059-1036-008-188-200



LOCUS MAP
SCALE: 1"=2000'

N

MANET BEACH

EDGEWATER DRIVE

TURNER ST.

Existing Storm Drains (No License No.)

Width Of Rip-Rap Fill 10'-9"

Proposed Drain

Proposed Headwall

Proposed Rip-Rap

44'-0"

MHW

Existing Seawall (No License No.)

MLW

ELW

NOTE: Turner Street, Manet Beach And Edgewater Drive Are Owned By The City Of Quincy, Massachusetts

PLAN VIEW
SCALE: 1"=40'

COMMONWEALTH OF MASSACHUSETTS
STEVEN H. CORR
No. 25900
REGISTERED PROFESSIONAL ENGINEER

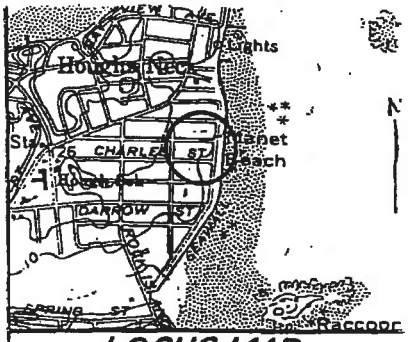
86W-126

Plan Accompanying Petition Of City Of Quincy, Refurbishing Of Existing Outfall, Weymouth Fore River, City Of Quincy, Massachusetts.

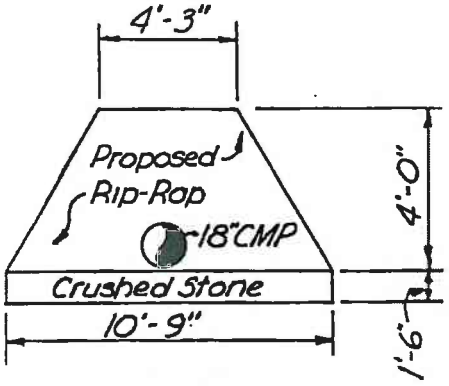
LICENSE PLAN NO. 1891
Approved by Department of Environmental Quality Engineering of Massachusetts

COMMISSIONER
DIVISION DIRECTOR
SECTION CHIEF
January 27, 1989 DATE

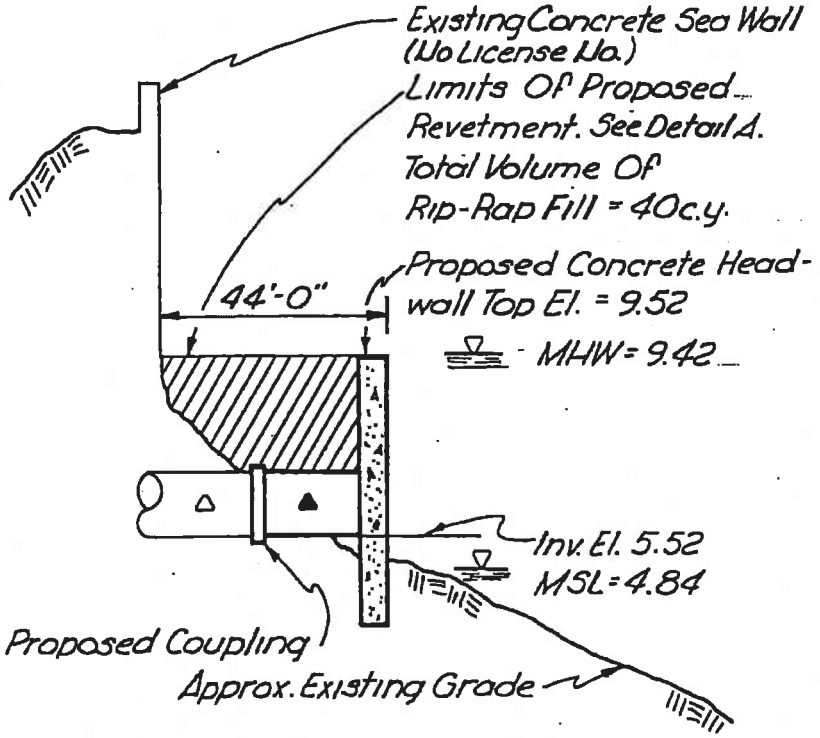
059-1036-008-188-200



LOCUS MAP
SCALE: 1"=2000'



DETAIL A
N.T.S.



PROFILE
SCALE: 1"=40'H
1"=4'V

MLW = 0.00

△ Existing 18"CMP S=.0033

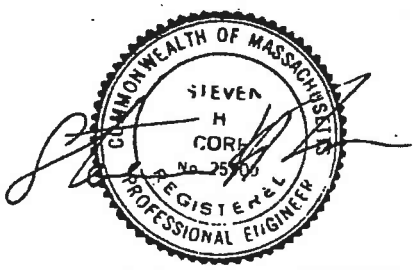
▲ Proposed 18"CMP

LICENSE PLAN NO. 1891

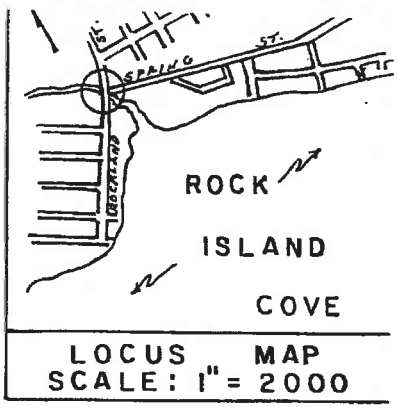
Approved by Department of Environmental Quality Engineering

Date: January 27, 1989

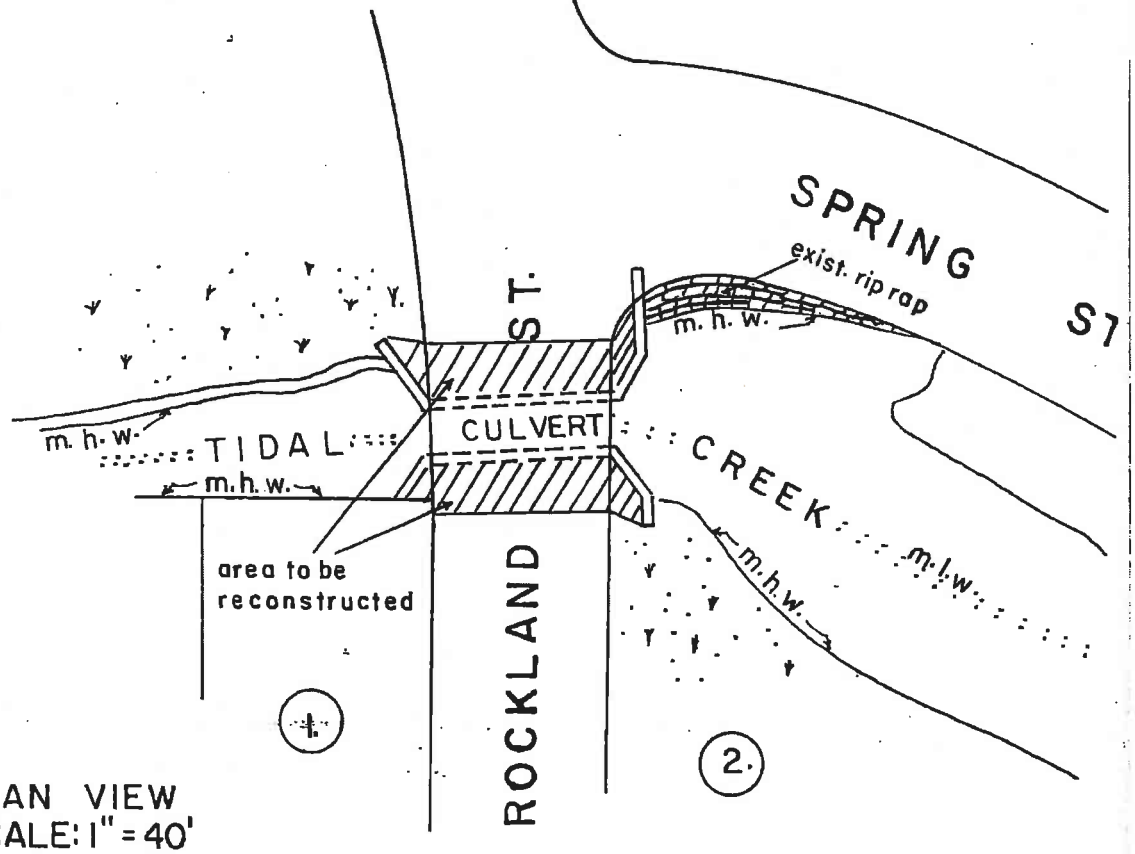
Plan Accompanying Petition Of City Of Quincy, Refurbishing Of Existing Outfall, Weymouth Fore River, City Of Quincy, Massachusetts.



059-1076E-363-303-100
059-1056-033-019-100



LOCUS MAP
SCALE: 1" = 2000

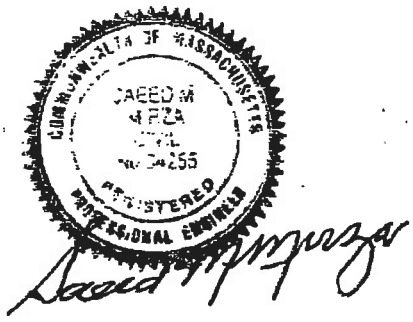


PLAN VIEW
SCALE: 1" = 40'
DATE: JAN. 30, 1991

PLAN ACCOMPANYING
PETITION OF CITY OF
QUINCY, MA
ROCKLAND STREET
EMERGENCY CULVERT
REPAIRS

1. N/F Robert L. Morris
76 Rockland St.

2. N/F David Crowley
95 Rockland St.

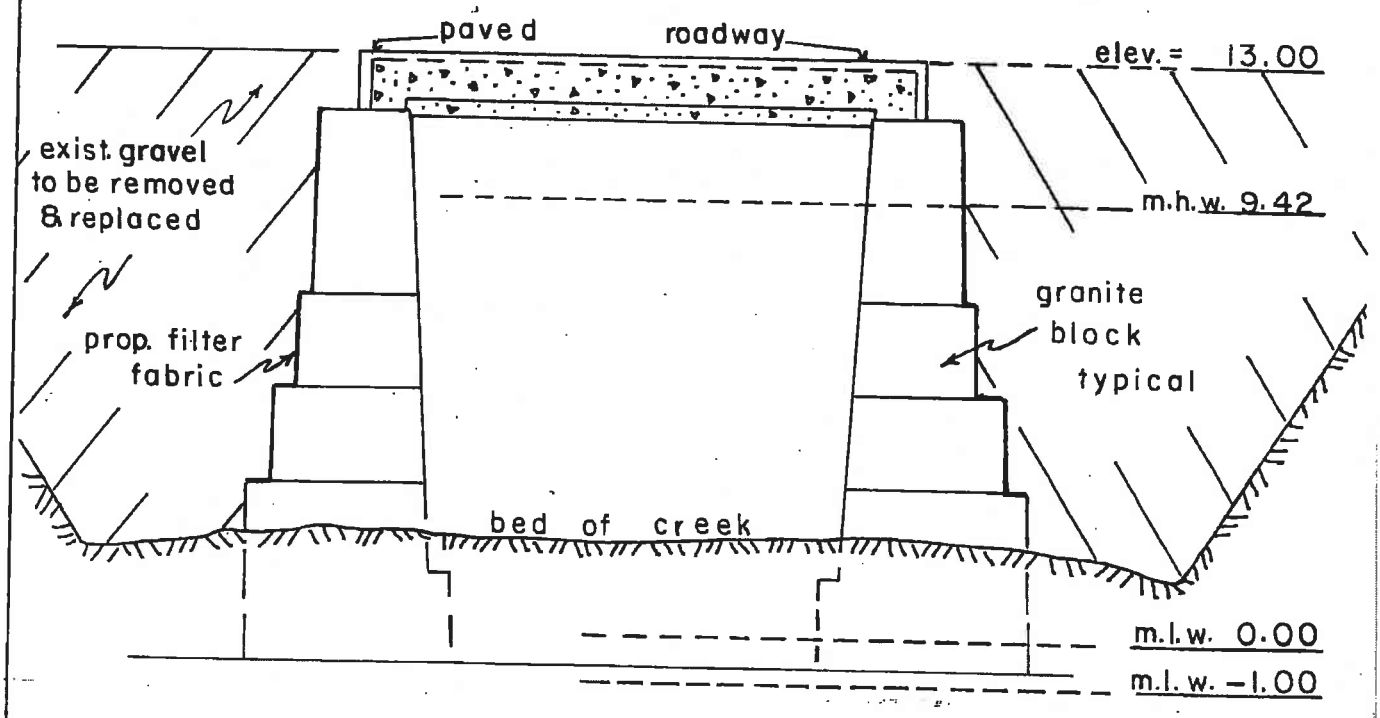


LICENSE PLAN NO. 2698
Approved by Department of Environmental Protection
of Massachusetts

COMMISSIONER
DIVISION DIRECTOR
SECTION CHIEF
JUL 29 1991
DATE

Sheet 1 of 2

059-1076E-363-303-100
059-1056-033-019-100



Scale: hor. 1" = 04'
ver: 1" = 04'
Date: Jan. 30, 1991

PLAN ACCOMPANYING
PETITION OF CITY OF
QUINCY, MA
ROCKLAND STREET
EMERGENCY CULVERT
REPAIRS
QUINCY BAY, QUINCY, MA

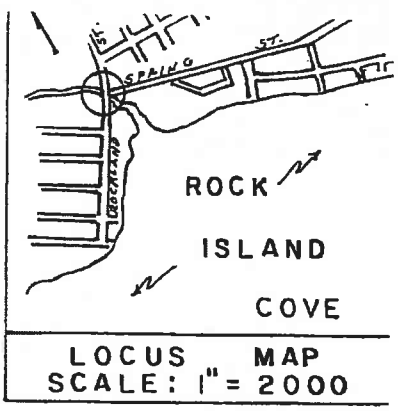
LICENSE PLAN NO. 2698
Approved by Department of Environmental Protection
Date: JUL 29 1991

COMMONWEALTH OF MASSACHUSETTS
SAEED M. MIRZA
CIVIL
No. 34255
REGISTERED PROFESSIONAL ENGINEER

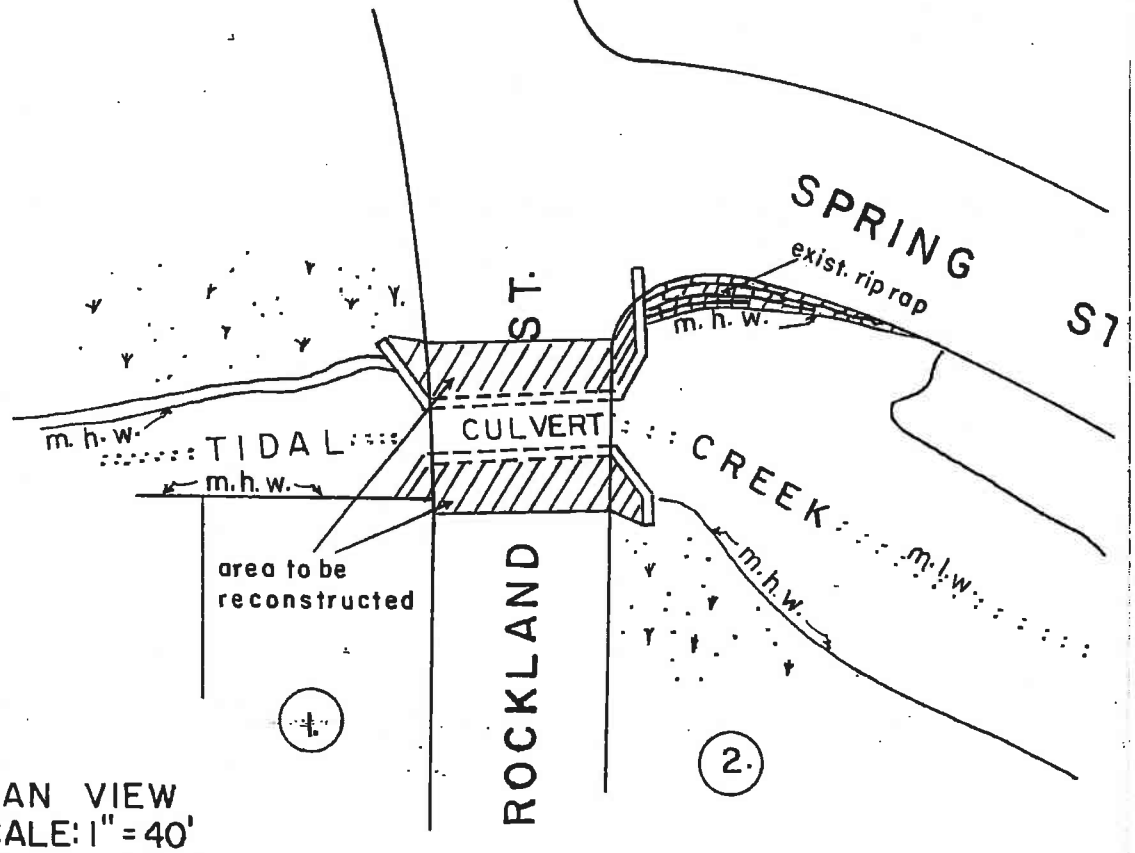
Saeed Mirza

SHEET 2 of 2

059-1076E-363-303-100
059-1056-033-019-100



LOCUS MAP
SCALE: 1" = 2000



PLAN VIEW
SCALE: 1" = 40'
DATE: JAN. 30, 1991

PLAN ACCOMPANYING
PETITION OF CITY OF
QUINCY, MA
ROCKLAND STREET
EMERGENCY CULVERT
REPAIRS

1. N/F Robert L. Morris
76 Rockland St.

2. N/F David Crowley
95 Rockland St.

LICENSE PLAN NO. 269B
Approved by Department of Environmental Protection
of Massachusetts

COMMISSIONER

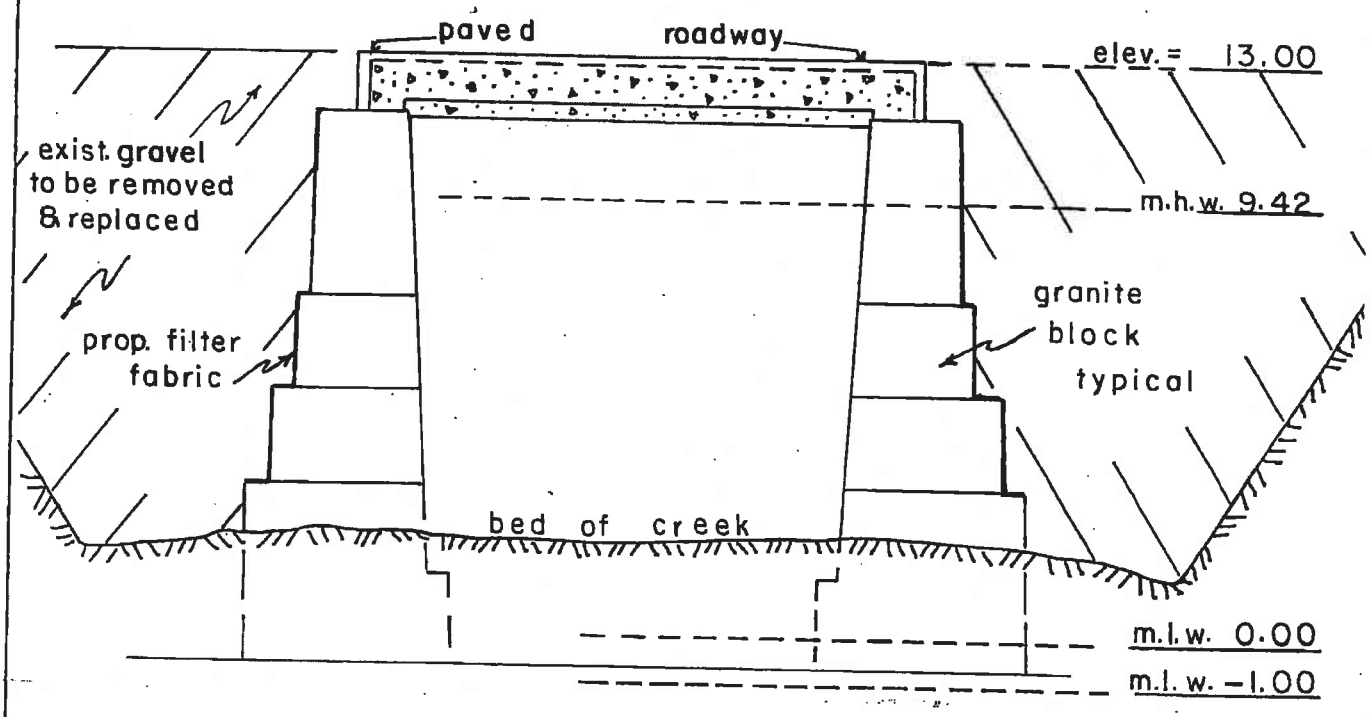
DIVISION DIRECTOR

SECTION CHIEF

DATE JUL 29 1991

Sheet 1 of 2

059-1076E-363-303-100
059-1056-033-019-100



Scale: hor. 1" = 04'
ver: 1" = 04'
Date: Jan. 30, 1991

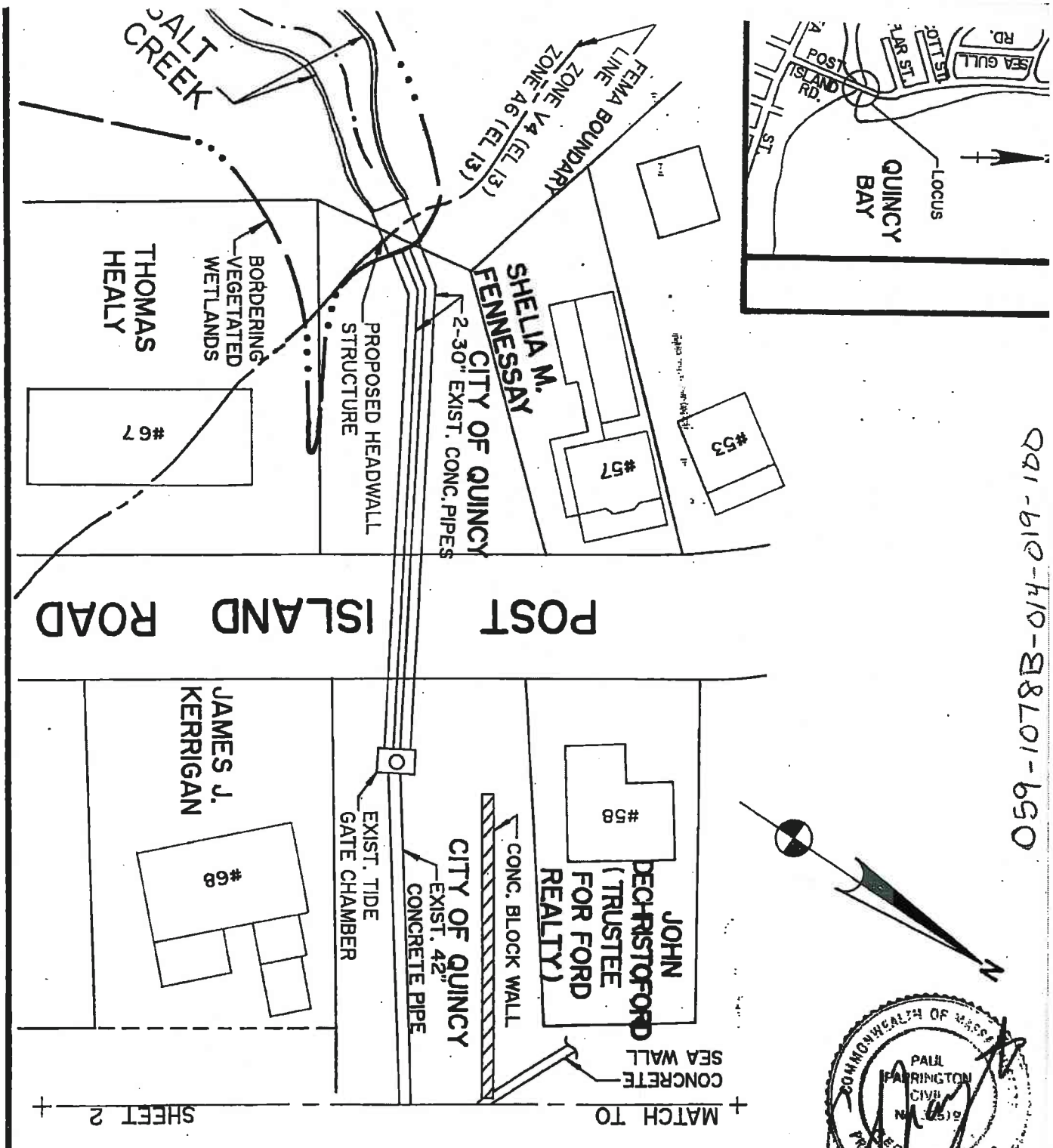
PLAN ACCOMPANYING
PETITION OF CITY OF
QUINCY, MA
ROCKLAND STREET
EMERGENCY CULVERT
REPAIRS
QUINCY BAY, QUINCY, MA

LICENSE PLAN NO. 2698
Approved by Department of Environmental Protection
Date: JUL 29 1991

COMMONWEALTH OF MASSACHUSETTS
SAEED M. MIRZA
No. 34255
REGISTERED PROFESSIONAL ENGINEER

Saeed Mirza

SHEET 2 of 2



059-10178B-014-016-180

COMMONWEALTH OF MASSACHUSETTS
PAUL FARRINGTON
CIVIL
No. 25191
REGISTERED

PLAN ACCOMPANYING PETITION
OF
THE CITY OF QUINCY
FOR
LICENSING OF EXISTING TIDE GATE, CULVERTS AND NEW INLET AND OUTLET STRUCTURES. POST ISLAND ROAD, QUINCY, MA. ON QUINCY BAY.

BY : LEA GROUP
75 KNEELAND ST., BOSTON, MA. 02111

DATE: SCALE: 1" = 40'

SHEET 1 OF 6

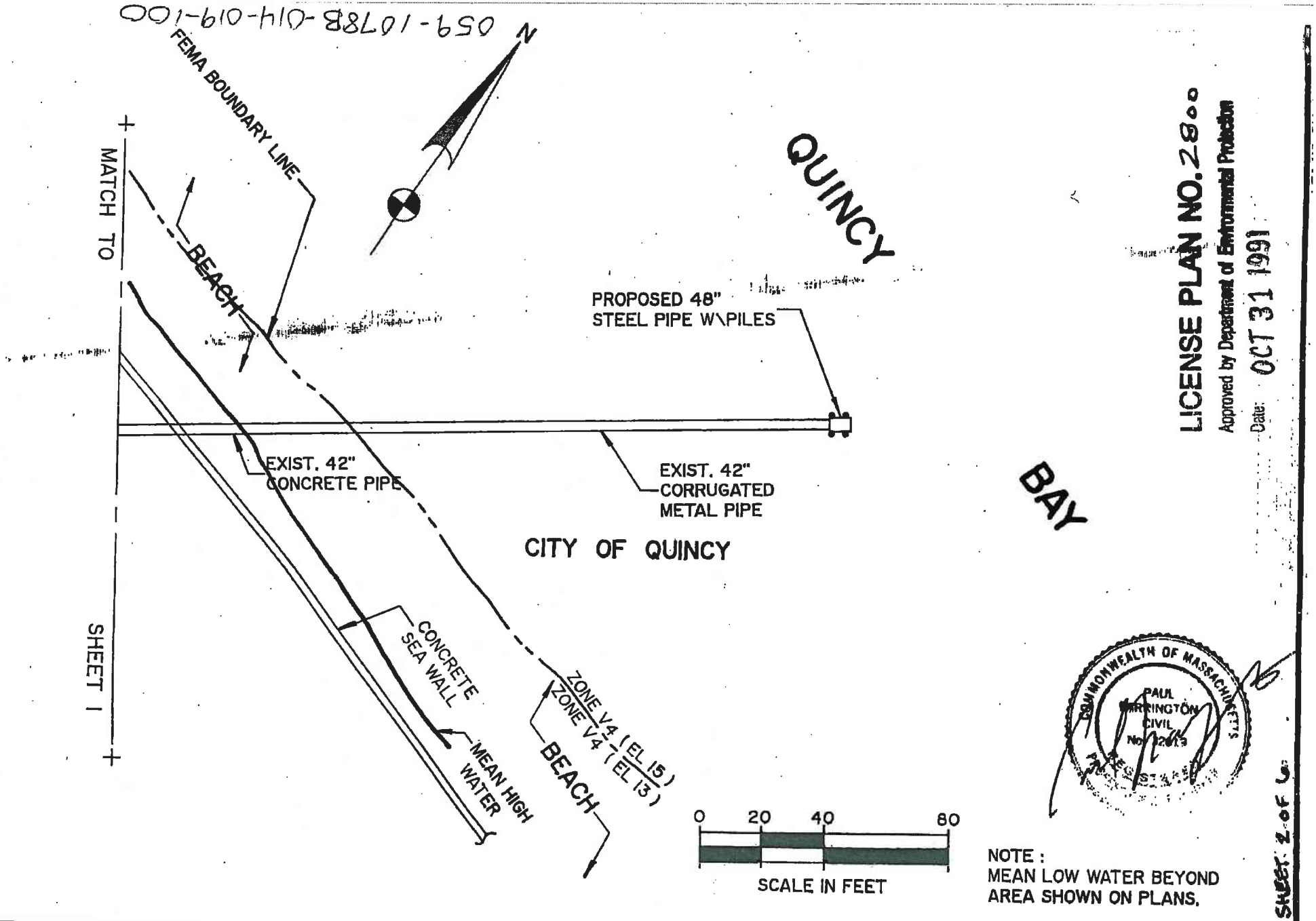
LICENSE PLAN NO. 2800
Approved by Department of Environmental Protection of Massachusetts

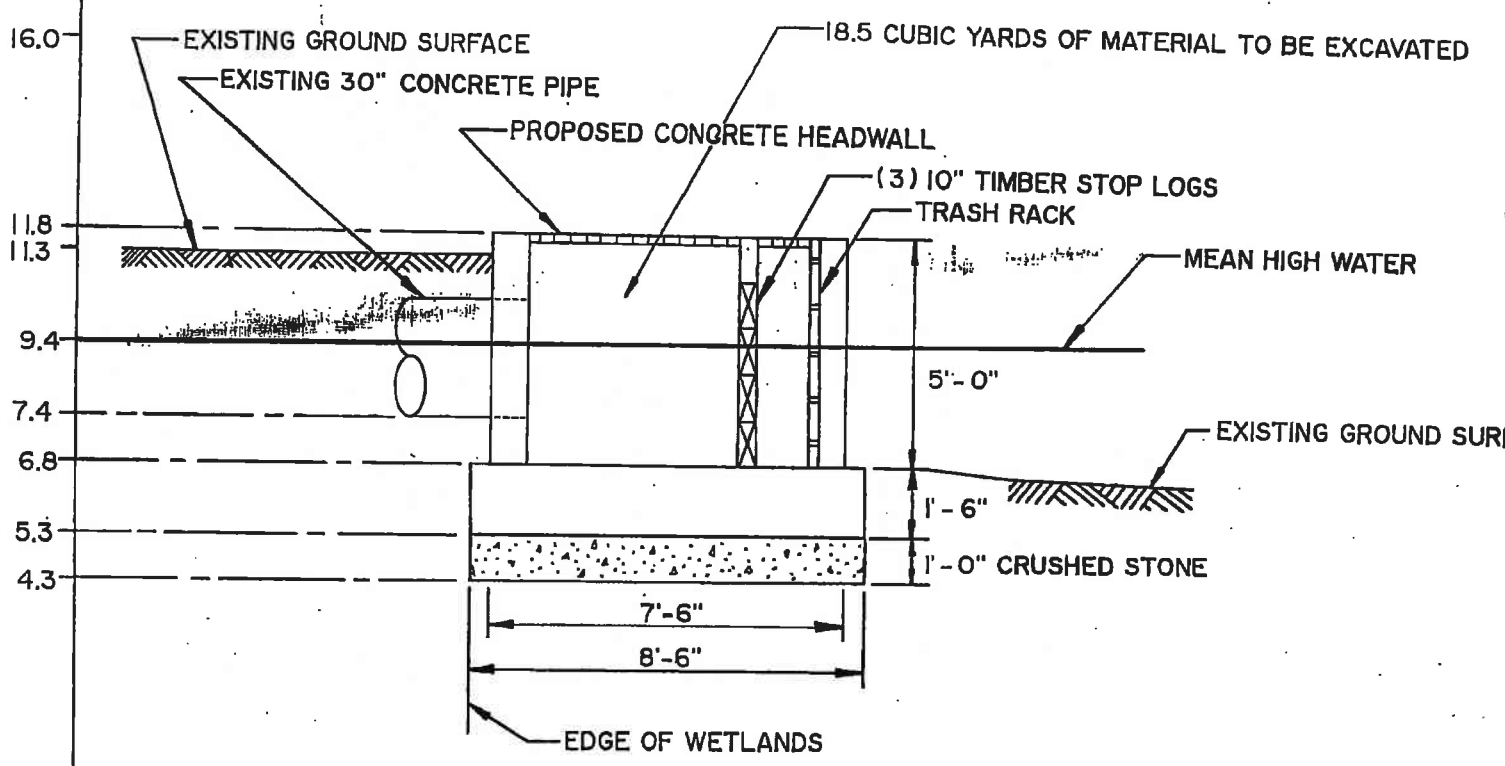
COMMISSIONER

DIRECTOR

SECTION CHIEF

OCT 31 1991
DATE


059-1078B-014-019-100
N
FEMA BOUNDARY LINE
MATCH TO
SHEET 1
BEACH
QUINCY
BAY
PROPOSED 48"
STEEL PIPE W\PILES
EXIST. 42"
CONCRETE PIPE
EXIST. 42"
CORRUGATED
METAL PIPE
CITY OF QUINCY
CONCRETE
SEA WALL
MEAN HIGH
WATER
ZONE V4 (EL 15)
ZONE V4 (EL 13)
BEACH
0
20
40
80
SCALE IN FEET
NOTE :
MEAN LOW WATER BEYOND
AREA SHOWN ON PLANS.
LICENSE PLAN NO. 2800
Approved by Department of Environmental Protection
Date: OCT 31 1991
COMMONWEALTH OF MASSACHUSETTS
PAUL
CIVIL
SHEET 2 OF 6



LICENSE PLAN NO. 2800
Approved by Department of Environmental Protection
Date: OCT 31 1991

HEADWALL STRUCTURE

SCALE

HORIZONTAL : 1" = 4'
VERTICAL : 1" = 4'

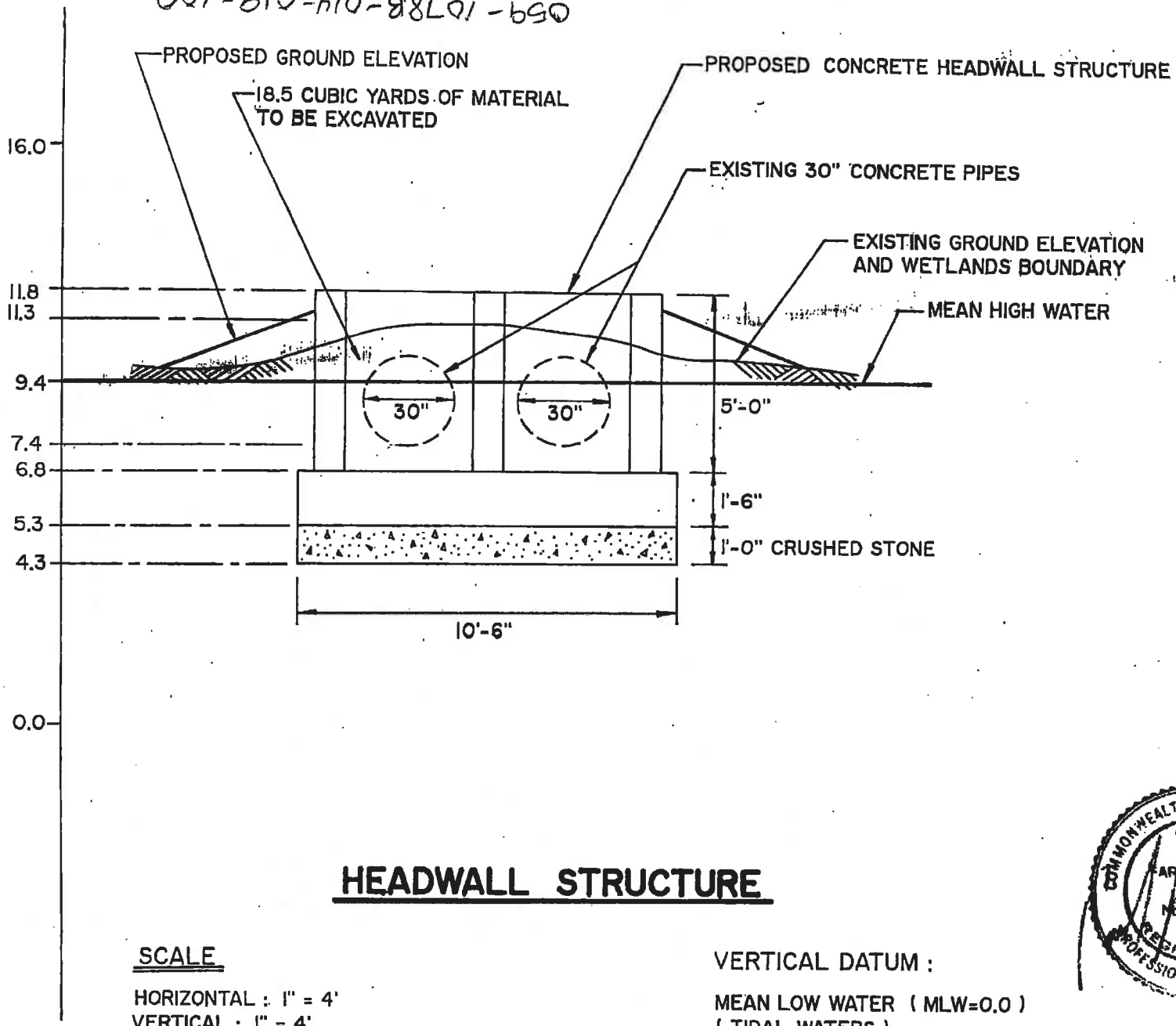
VERTICAL DATUM :

MEAN LOW WATER (MLW=0.0)
(TIDAL WATERS)

COMMONWEALTH OF MASSACHUSETTS
PAUL FARRINGTON
CIVIL
No. 22615
REGISTERED PROFESSIONAL ENGINEER

SHEET 3 OF 10

091-610-410-88L01-650



LICENSE PLAN NO. 2000

Approved by Department of Environmental Protection

Date: OCT 31 1991

HEADWALL STRUCTURE

COMMONWEALTH OF MASSACHUSETTS
PAUL HARRINGTON
CIVIL
NO. 32619
REGISTERED PROFESSIONAL ENGINEER

SCALE

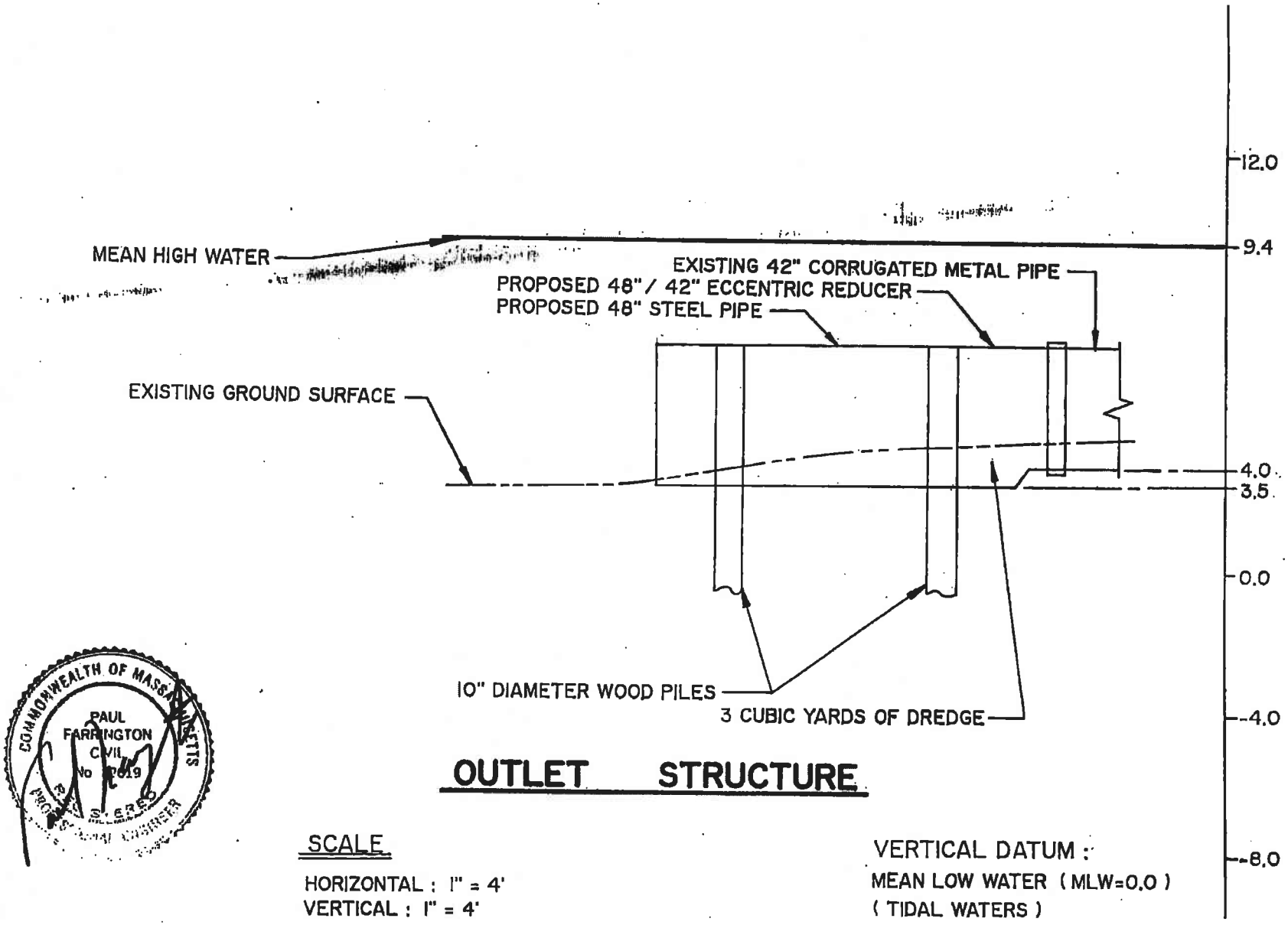
HORIZONTAL : 1" = 4'
VERTICAL : 1" = 4'

VERTICAL DATUM :

MEAN LOW WATER (MLW=0.0)
(TIDAL WATERS)

SHEET 4 OF 6

059-10788-014-619-100



OUTLET STRUCTURE

SCALE

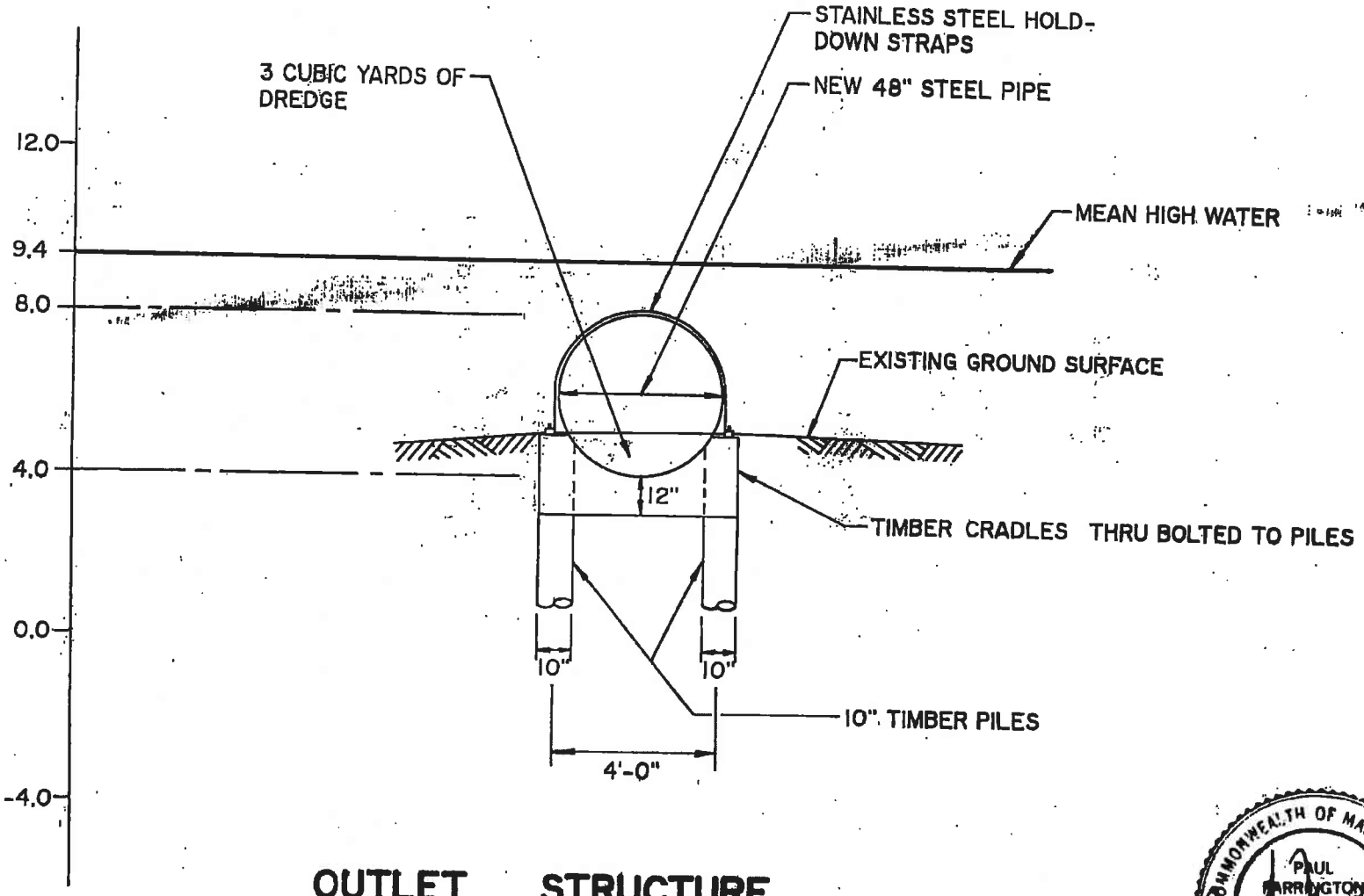
HORIZONTAL : 1" = 4'
VERTICAL : 1" = 4'

VERTICAL DATUM :
MEAN LOW WATER (MLW=0.0)
(TIDAL WATERS)

COMMONWEALTH OF MASSACHUSETTS
PAUL FARRINGTON
CIVIL
No. 19019
REGISTERED PROFESSIONAL ENGINEER

LICENCE PLAN NO. 2800
Approved by Department of Environmental Protection
Date: OCT 31 1991

SHEET 5 OF 6



OUTLET STRUCTURE

SCALE

HORIZONTAL : 1" = 4'
VERTICAL : 1" = 4'

VERTICAL DATUM :
MEAN LOW WATER (MLW=0.0)
(TIDAL WATERS)

COMMONWEALTH OF MASSACHUSETTS
PAUL FARRINGTON
No. 32619
REGISTERED PROFESSIONAL ENGINEER

PLAN NO. 2900
Approved by Department of Environmental Protection
Date: OCT 31 1991

SHEET 6 OF 6

059-1078B-014-019-200

LOCUS MAP
SCALE: 1"=2000'

COMMONWEALTH OF MASSACHUSETTS
PETER
SMITH
No. 29402
REGISTERED
PROFESSIONAL ENGINEER

N
S

PROPERTY LINE (TYP)

MLW

EXISTING SEA WALL (NO LICENSE No.)

MHW

SHORE AVENUE

EXIST. STORM DRAIN MANHOLE

EXIST. 24" TIDE GATE A (NO LICENSE No.)

113' NTS

328' NTS

55' NTS

PROP. ROCK JETTY

PROP.24" RCP

A

B

B

EXIST. 24" V.C. (NO LICENSE No)

EXIST. EMPTY CHAMBER

A

NARRAGANSETT ROAD

EXIST. 24" TIDE GATE B (NO LICENSE No.)

CHICKATABOT ROAD

ELV.

1. DR. DONALD P. BRICKLEY
144 SHORE AVE.
2. MORGAN J. O'REGAN JR.
141 SHORE AVE.
3. HAROLD H. WOOLLARD
1 CHICKATABOT RD.
4. MERRYMOUNT ASSOCIATION INC.
PLOT 14 (BEACH IN COMMON)
5. BEACH AND FLATS (CITY OF QUINCY)

PLAN VIEW

SCALE: 1"=50'

PLAN ACCOMPANYING PETITION OF CITY OF QUINCY, OUTFALL SEWER REHABILITATION AND REPLACEMENT, QUINCY BAY, CITY OF QUINCY MASSACHUSETTS.

SHEET 1 OF 3

LICENSE PLAN NO. 2060

Approved by Department of Environmental Protection of Massachusetts

COMMISSIONER

DIVISION DIRECTOR

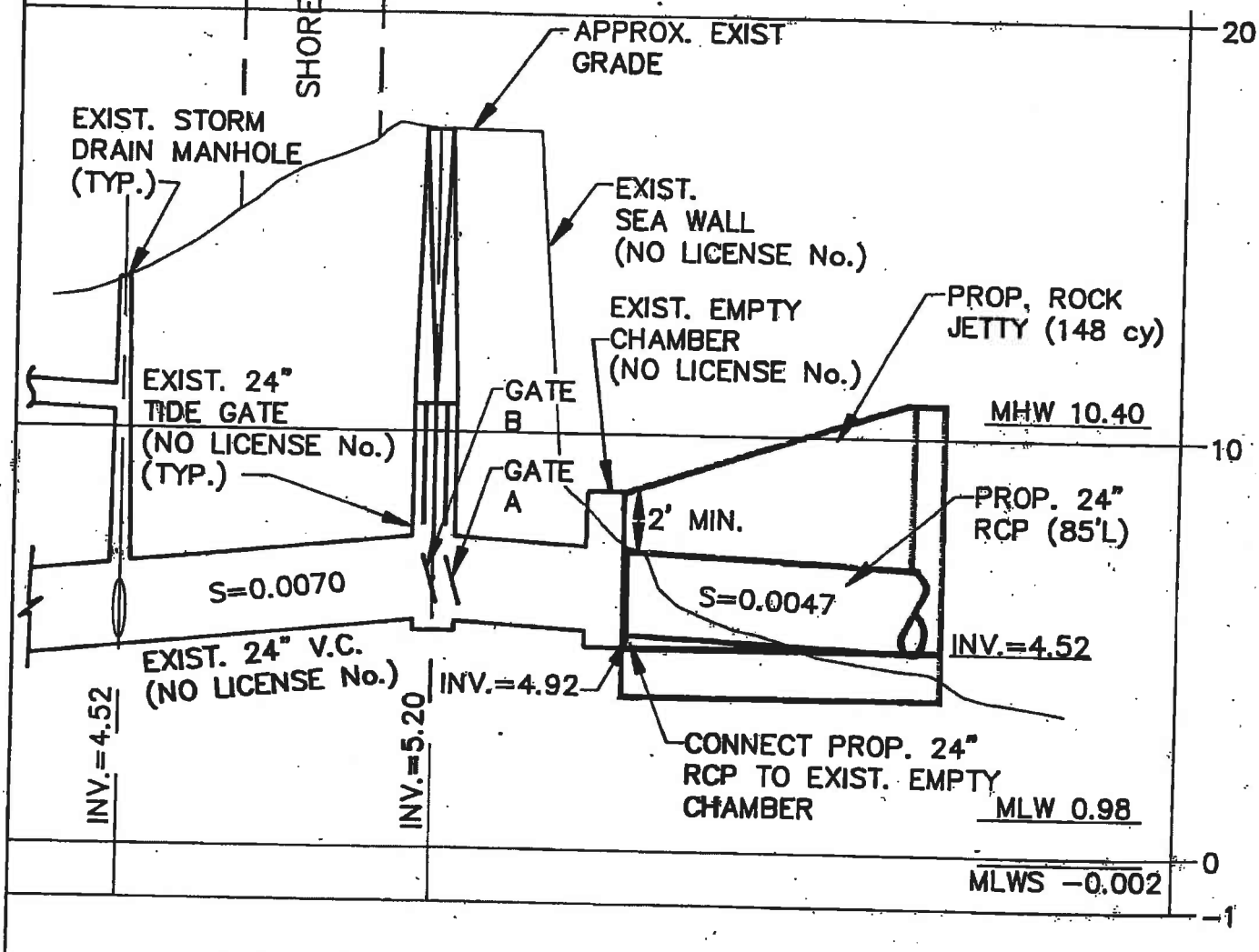
SECTION CHIEF

NOV 14 1990

059-1078B-014-019-200

COMMONWEALTH OF MASSACHUSETTS
PETER M. SMITH
No. 29402
REGISTERED PROFESSIONAL ENGINEER

LOCUS MAP
SCALE: 1"=2000'



ELEVATION

SCALE: HOR. 1"=50'
VER. 1"=4'

PLAN ACCOMPANYING PETITION OF CITY OF QUINCY, OUTFALL SEWER REHABILITATION AND REPLACEMENT, QUINCY BAY, CITY OF QUINCY MASSACHUSETTS.

SHEET 2 OF 3

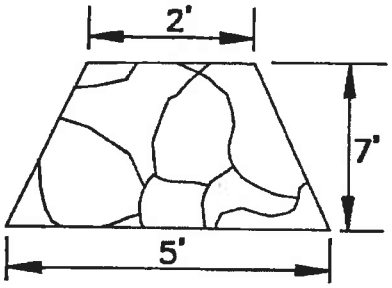
LICENSE PLAN NO. 2060

Approved by Department of Environmental Protection

Date:

NOV 14 1989

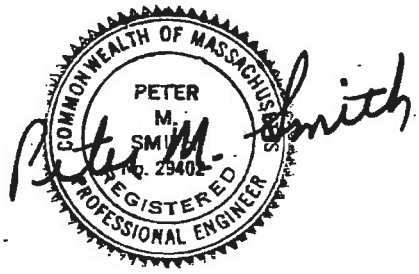
059-1078B-014-019-200

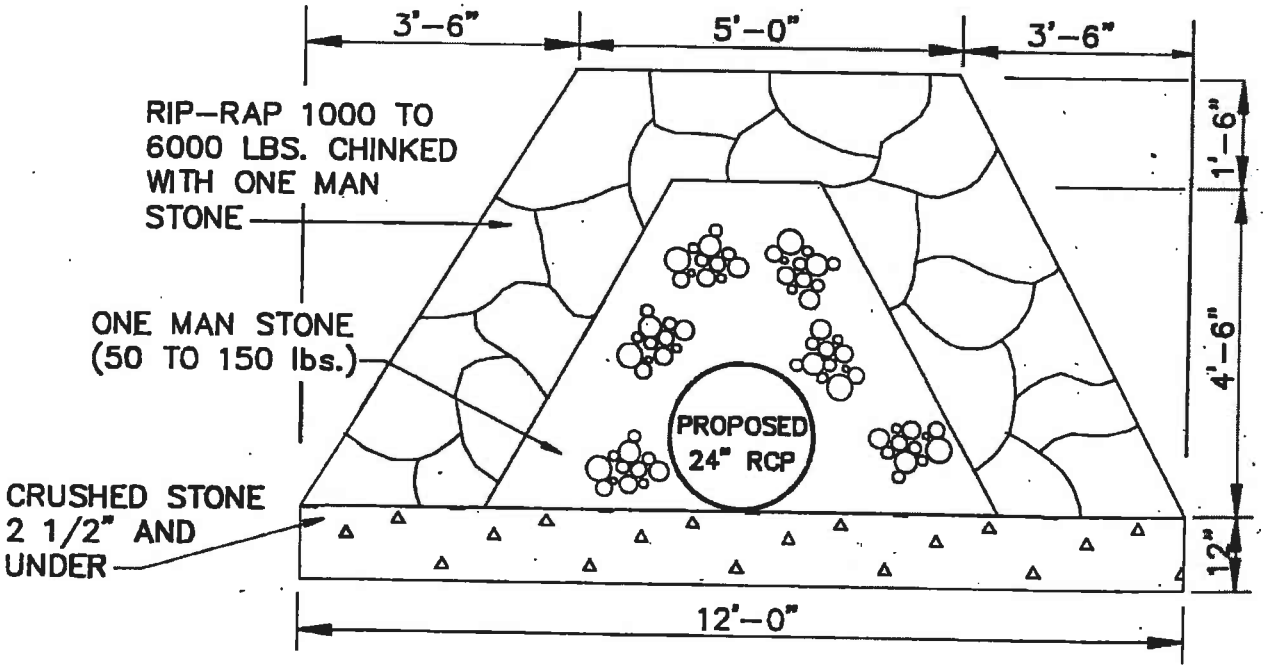


LOCUS MAP
SCALE: 1"=2000'

NOTE: SECTION B–B SHOWS TYPICAL RIP–RAP SECTION TO EXTEND 10' BEYOND END OF PIPE

SECTION B–B





SECTION A–A

PLAN ACCOMPANYING PETITION OF CITY OF QUINCY, OUTFALL SEWER REHABILITATION AND REPLACEMENT, QUINCY BAY, CITY OF QUINCY MASSACHUSETTS.

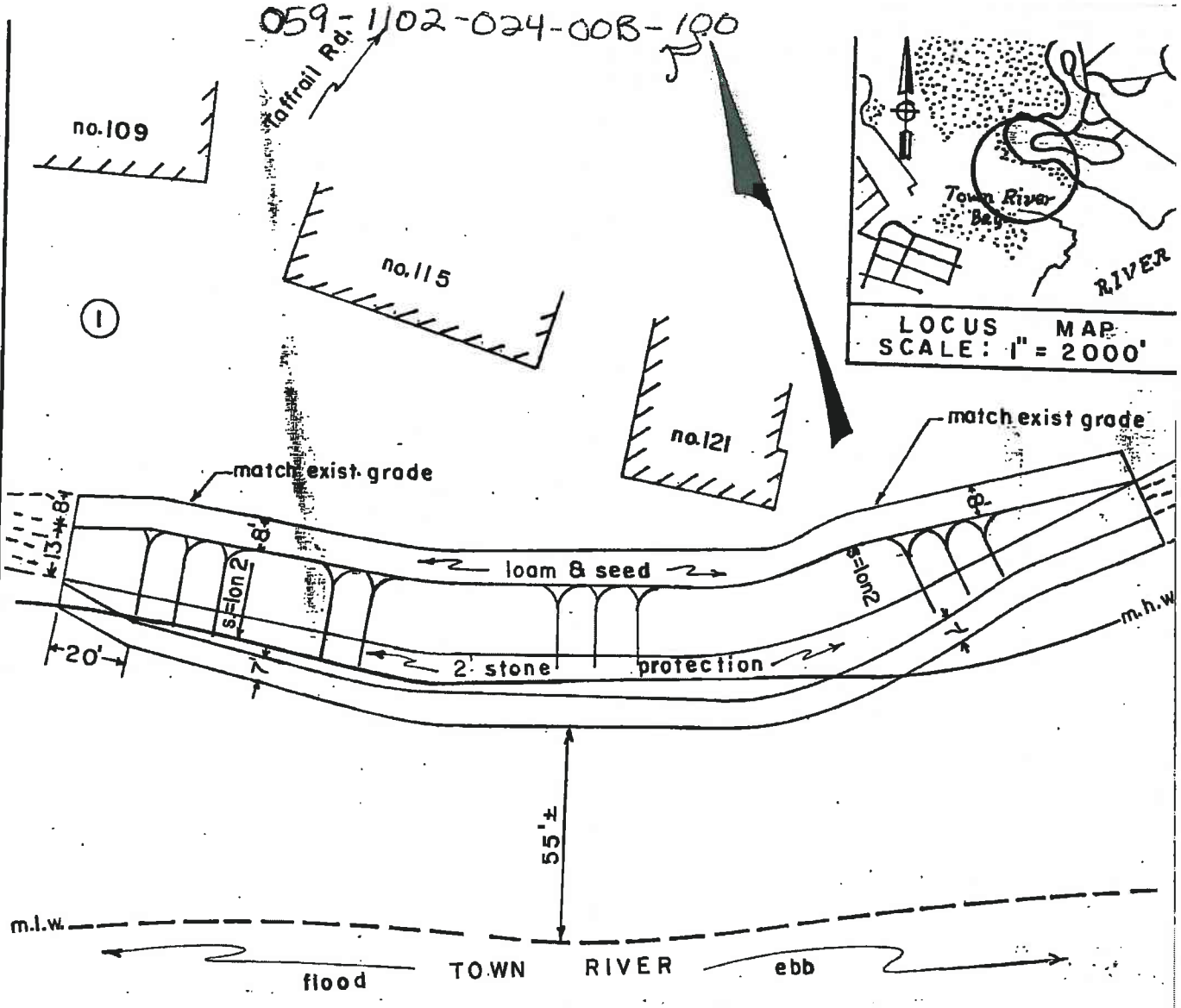
SHEET 3 OF 3

LICENSE PLAN NO. 2060

Approved by Department of Environmental Protection

Date: NOV 14 1989

059-1102-024-008-100



PLAN ACCOMPANYING PETITION OF CITY OF QUINCY, MA.
EMERGENCY STREAM BANK PROTECTION
TOWN RIVER BAY
CITY OF QUINCY, MA.

Scale: hor. 1" = 10'
ver: 1" = 10'
Date: April 19, 1991

COMMONWEALTH OF MASSACHUSETTS
SAEED M. MIRZA
CIVIL
No. 34255
REGISTERED
PROFESSIONAL ENGINEER

Saeed Mirza

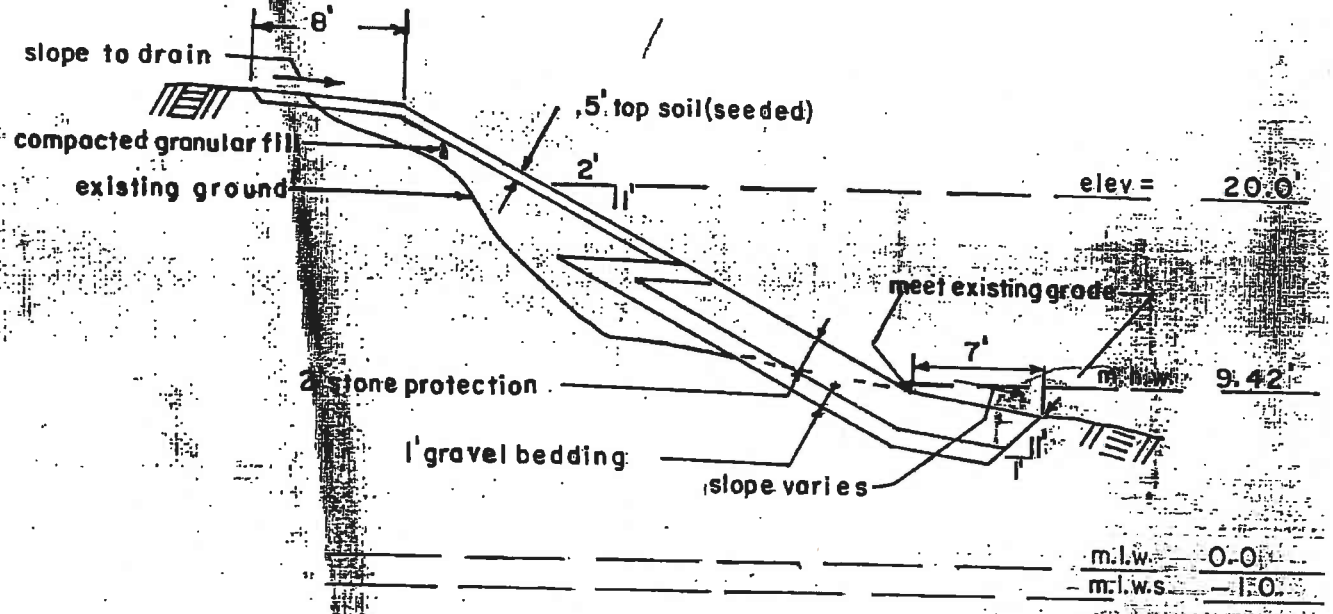
(1) N/F Quincy Housing Authority
109, 115 & 121 Taffrail Rd.

LICENSE PLAN NO. 2857
Approved by Department of Environmental Protection of Massachusetts

COMMISSIONER
DIRECTOR
SECTION CHIEF
DATE DEC 13 1991

SHEET 1 of 2

059-1102-024-00B-100



PLAN ACCOMPANYING PETITION OF CITY OF QUINCY, MA.

EMERGENCY STREAM BANK PROTECTION

TOWN RIVER BAY

CITY OF QUINCY, MA.

Scale: hor. 1" = 10'
ver: 1" = 10'
Date: April 19, 1991

SAEED M. MIRZA
CIVIL
No. 34255
REGISTERED
PROFESSIONAL ENGINEER

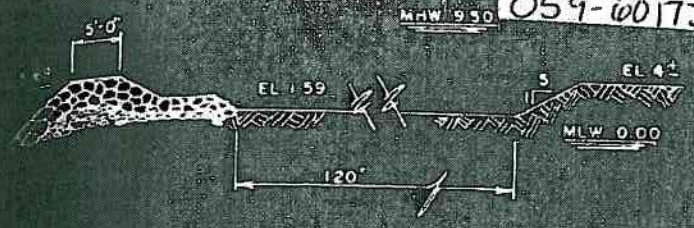
LICENSE PLAN NO. 2857

Approved by Department of Environmental Protection

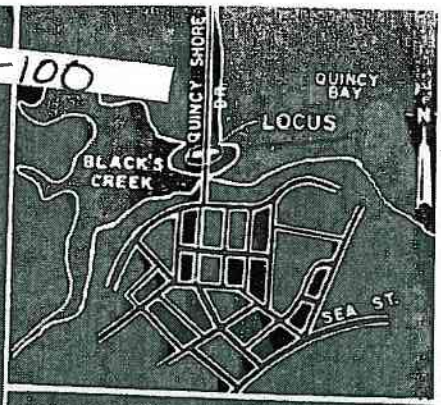
Date: DEC 13 1991

SHEET 2 of 2

059-0017J-153-008-100



SECTION A-A



SECTION B-B

APPROXIMATELY 12,500 CU. YDS. OF MATERIAL WILL BE DREDGED. ALL SUITABLE SAND WILL BE USED FOR IMPROVEMENTS TO WOLLASTON BEACH. THE REMAINDER IS TO BE DEPOSITED AT THE SANITARY LANDFILL SITE, WEST QUINCY.

ALL ELEV. REFER TO MEAN LOW WATER.

PLAN

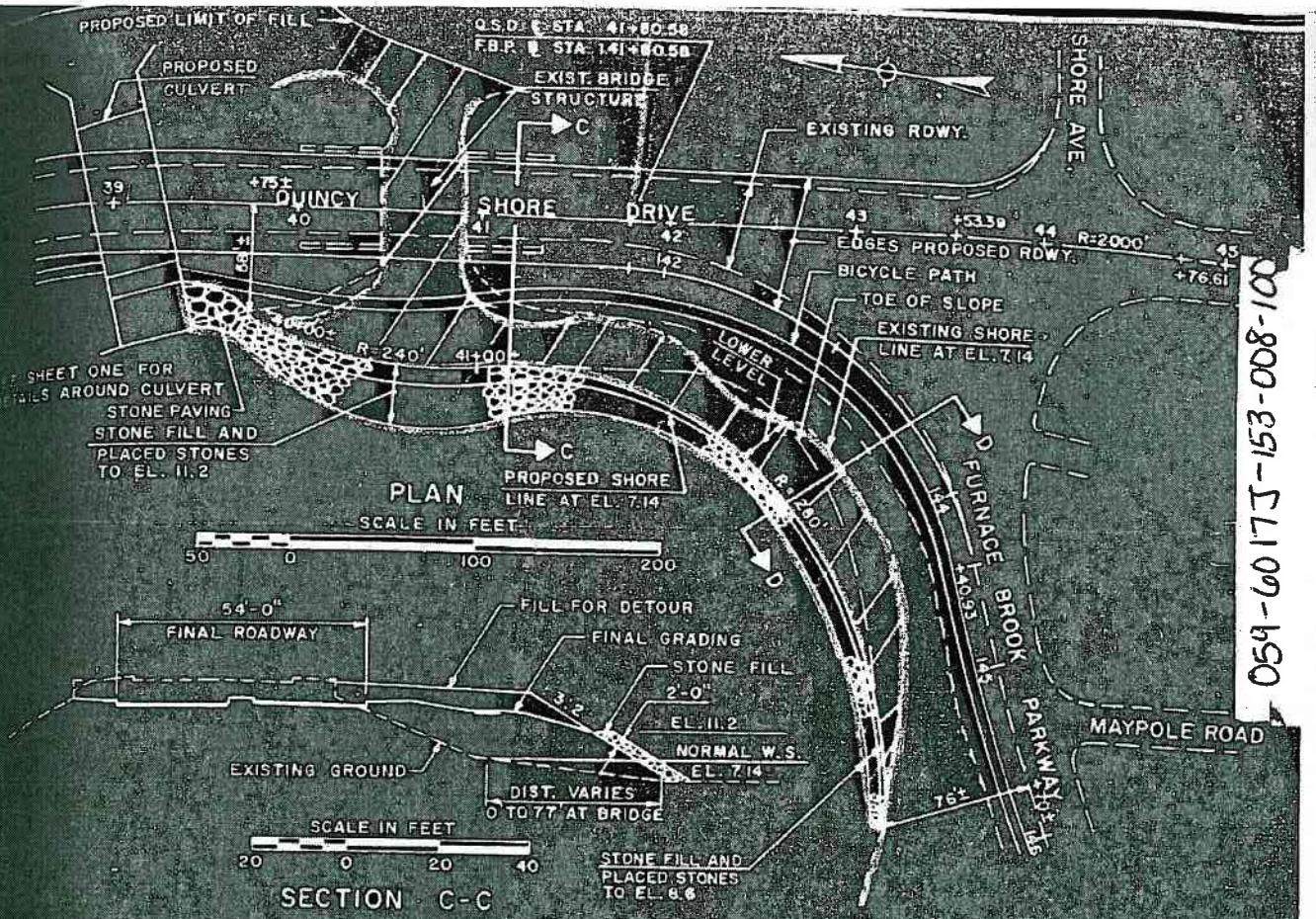
SCALE IN FEET

QUINCY, MASS.
REVISED JAN. 1972
PLAN ACCOMPANYING PETITION OF

METROPOLITAN DISTRICT COMMISSION TO CONSTRUCT A CULVERT SEAWARD CHANNEL & GROIN TO REMOVE A BRIDGE & TO FILL A PORTION OF BLACK'S CREEK AND TO INSTALL UTILITIES

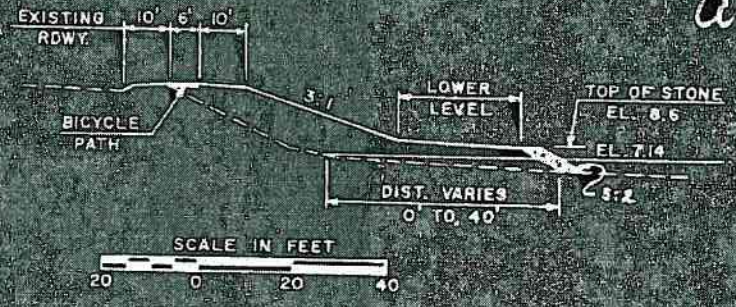
LICENSE PLAN NO. 6003
APPROVED BY DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
AUGUST 10, 1972
Bruce Campbell COMMISSIONER - DEPT. OF PUBLIC WORKS
Malcolm E. Graf
ASSOCIATE COMMISSIONER

SHEET 1 OF 3



FILLED AREA TO PROVIDE DETOUR WHILE EXISTING BRIDGE IS REMOVED TO BE LEFT FOR LANDSCAPING AND BICYCLE OVERLOOK AREA

ALL ELEV. REFER TO MEAN LOW WATER



WIDENING OF EMBANKMENT FOR PROPOSED BICYCLE PATH AND LANDSCAPING OFF FURNACE BROOK PARKWAY

Arthur L. Quaglieri

COMMONWEALTH OF MASSACHUSETTS
ARTHUR L. QUAGLIERI
No. 7224
REGISTERED PROFESSIONAL ENGINEER

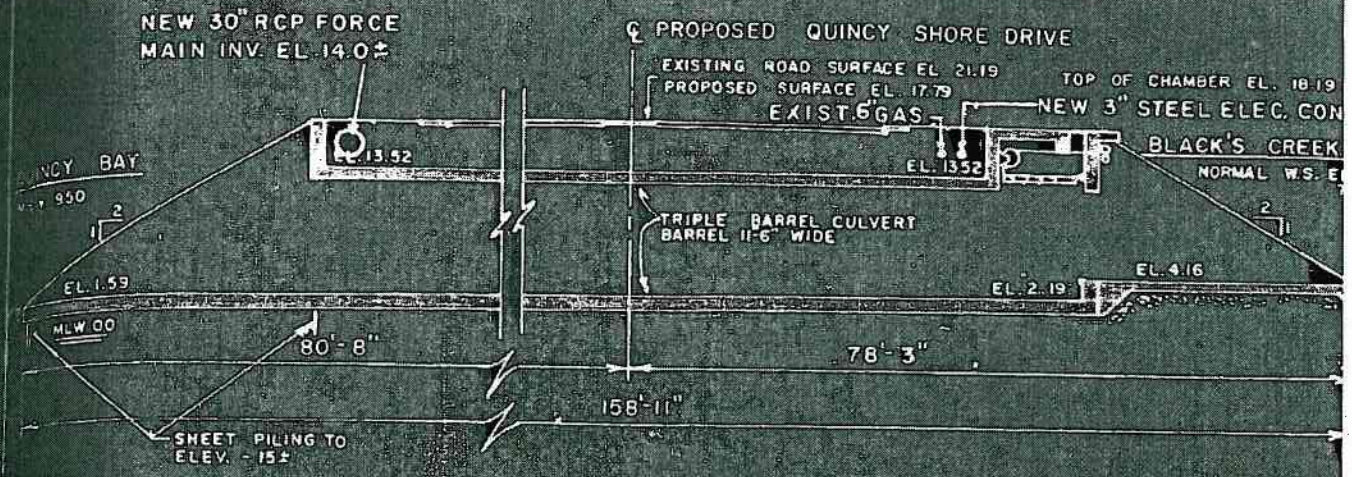
QUINCY MASS.
REVISED JAN 1972
PLAN ACCOMPANYING PETITION OF METROPOLITAN DISTRICT COMMISSION TO CONSTRUCT A CULVERT, SEAWARD CHANNEL, GROIN, TO REMOVE A BRIDGE TO FILL A PORTION OF BLACK'S CREEK & TO INSTALL UTILITIES

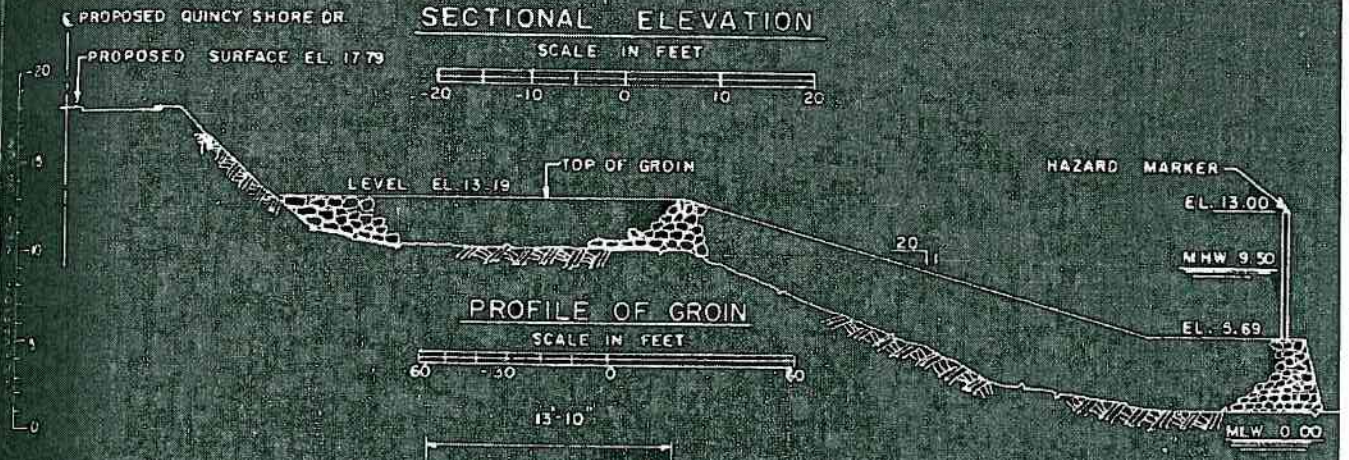
LICENSE PLAN NO. 6003
APPROVED BY DEPARTMENT OF PUBLIC WORKS
August 10, 1972

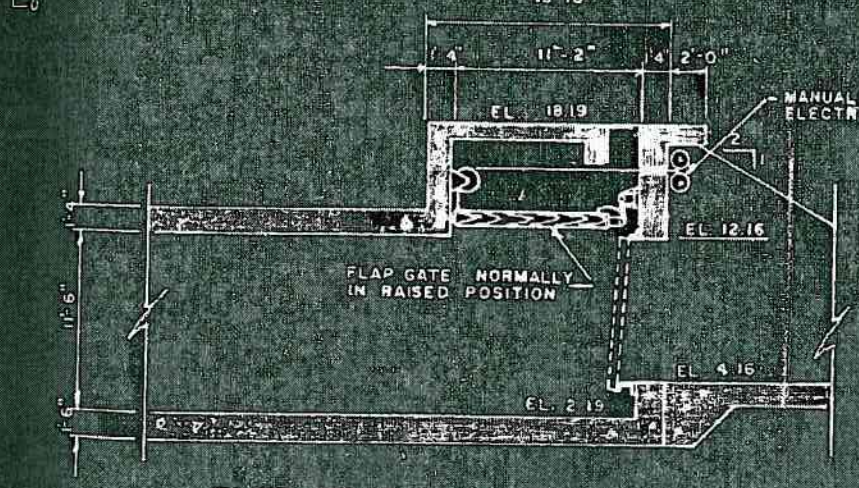
SHEET 3 OF 3

059-001-153-001-1100

059-6017J-153-008-100







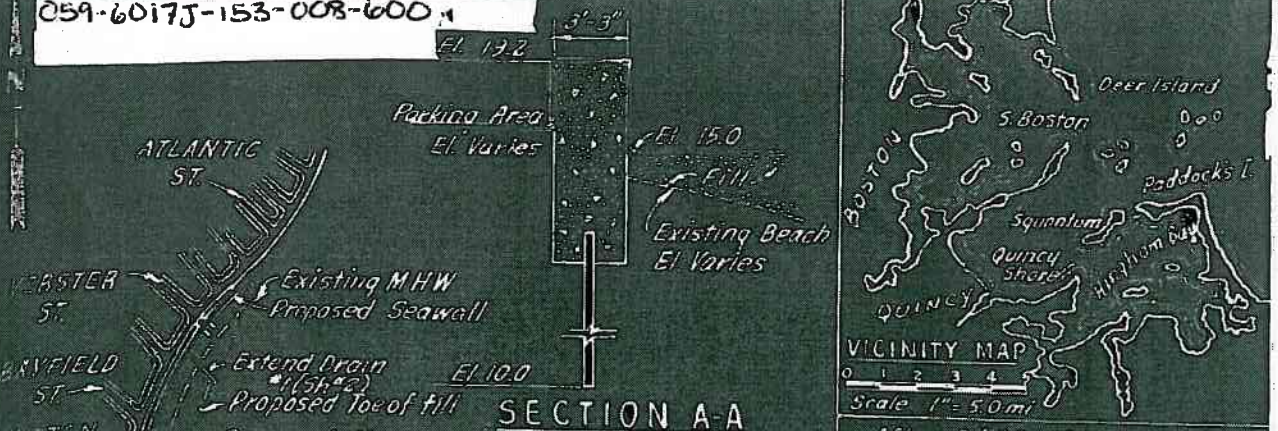
QUINCY, MASS.
REVISED JAN. 1972
PLAN ACCOMPANYING PETITION OF

METROPOLITAN DISTRICT COMMISSION
TO CONSTRUCT A CULVERT SEAWARD CHANNEL & GROIN TO REMOVE A BRIDGE TO FILL A PORTION OF BLACK'S CREEK & TO INSTALL UTILITIES

LICENSE PLAN NO. 6003
APPROVED BY DEPARTMENT OF PUBLIC WORKS
August 10, 1972

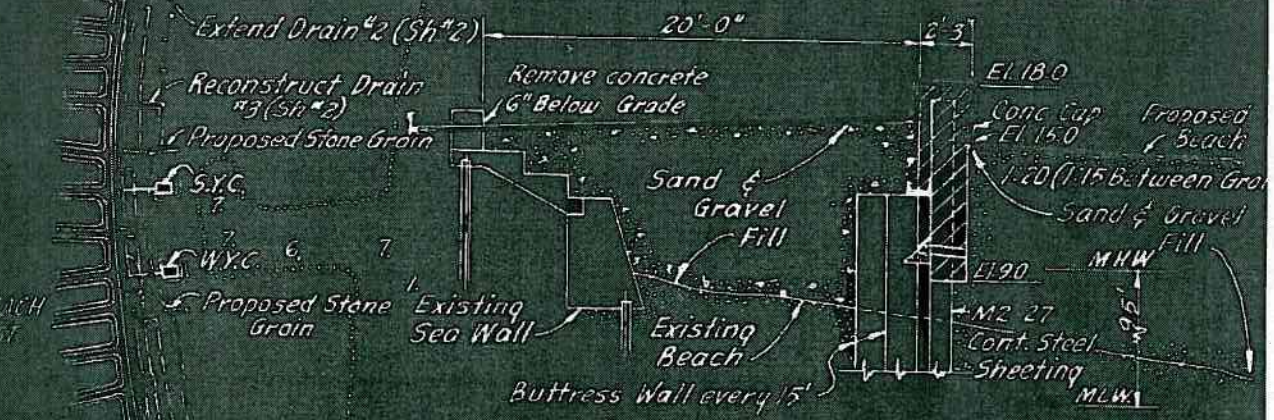
SHEET 2 OF 3

059-6017J-153-008-600

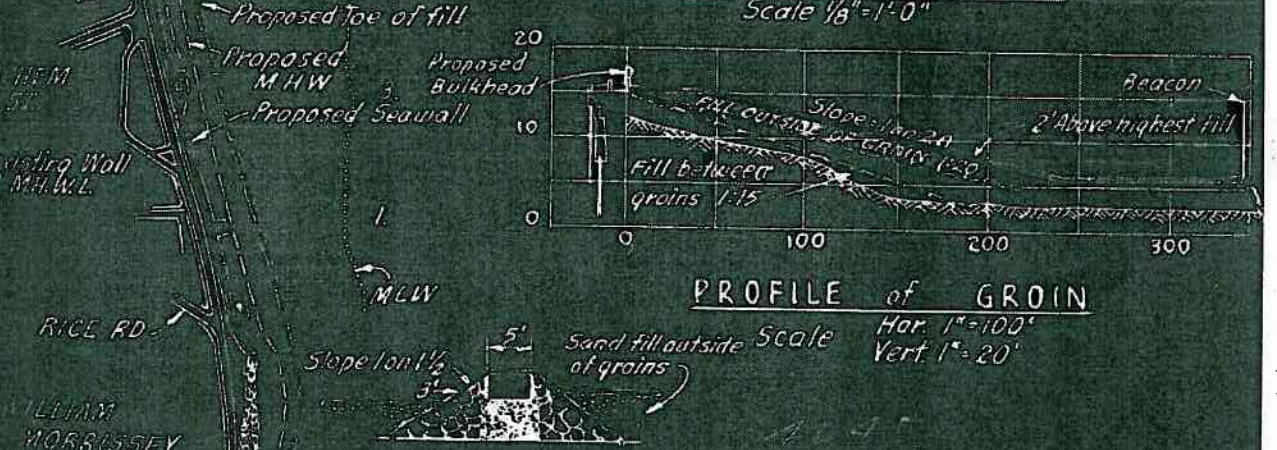


After CEGS Chart No. 246 "Boston Harbor"

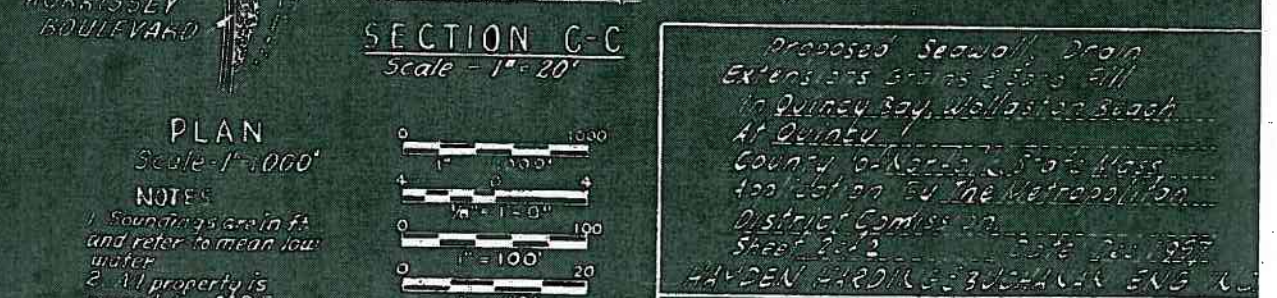
SECTION A-A
Scale 1/8" = 1'-0"



SECTION B-B TYPICAL
Scale 1/8" = 1'-0"



PROFILE of GROIN
Scale Hor. 1" = 100'
Vert 1" = 20'



SECTION C-C
Scale - 1" = 20'

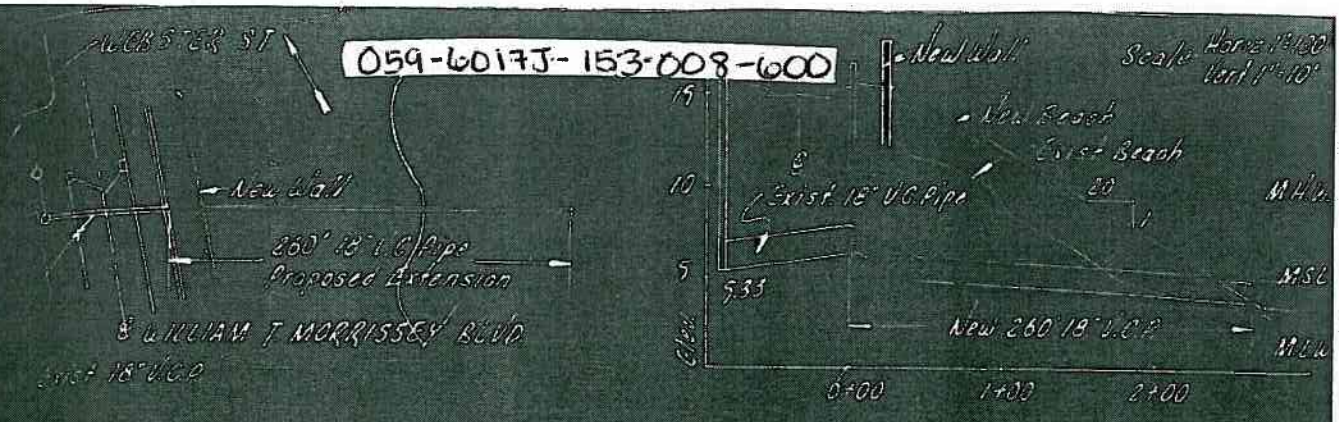
PLAN
Scale - 1" = 1000'

NOTES
1. Soundings are in ft. and refer to mean low water
2. All property is owned by MDC

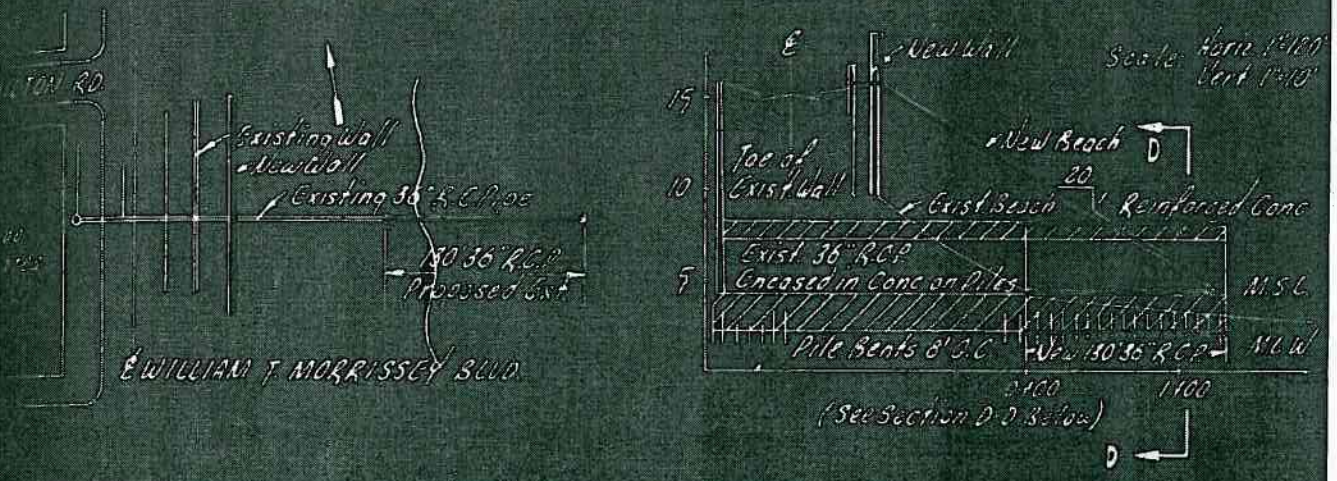
GRAPHIC SCALES

LEGEND
- Bastion
- Track & Boat Gates
- Proposed Work

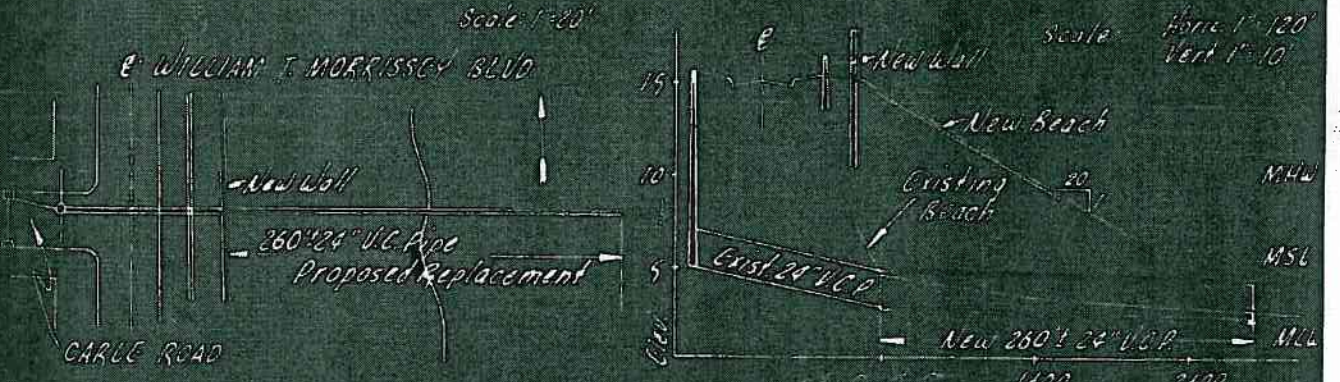
059-6017J-153-008-600



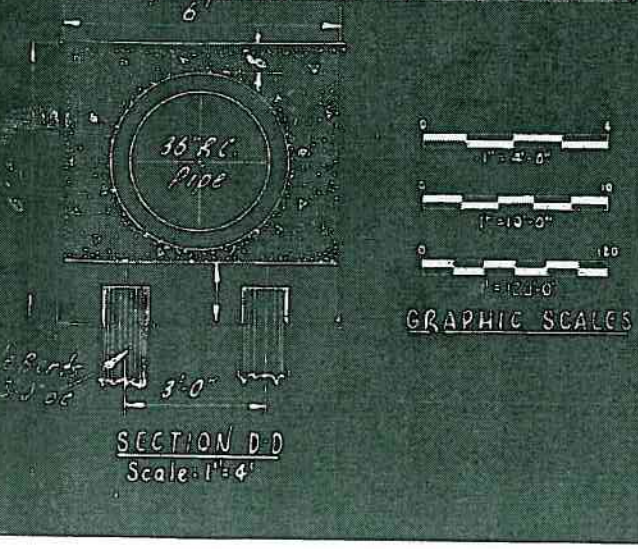
PLAN & PROFILE FOR EXTENSION OF DRAIN OPPOSITE WEBSTER STREET DRAIN #1



PLAN & PROFILE FOR EXTENSION OF DRAIN OPPOSITE MILTON ROAD DRAIN #2



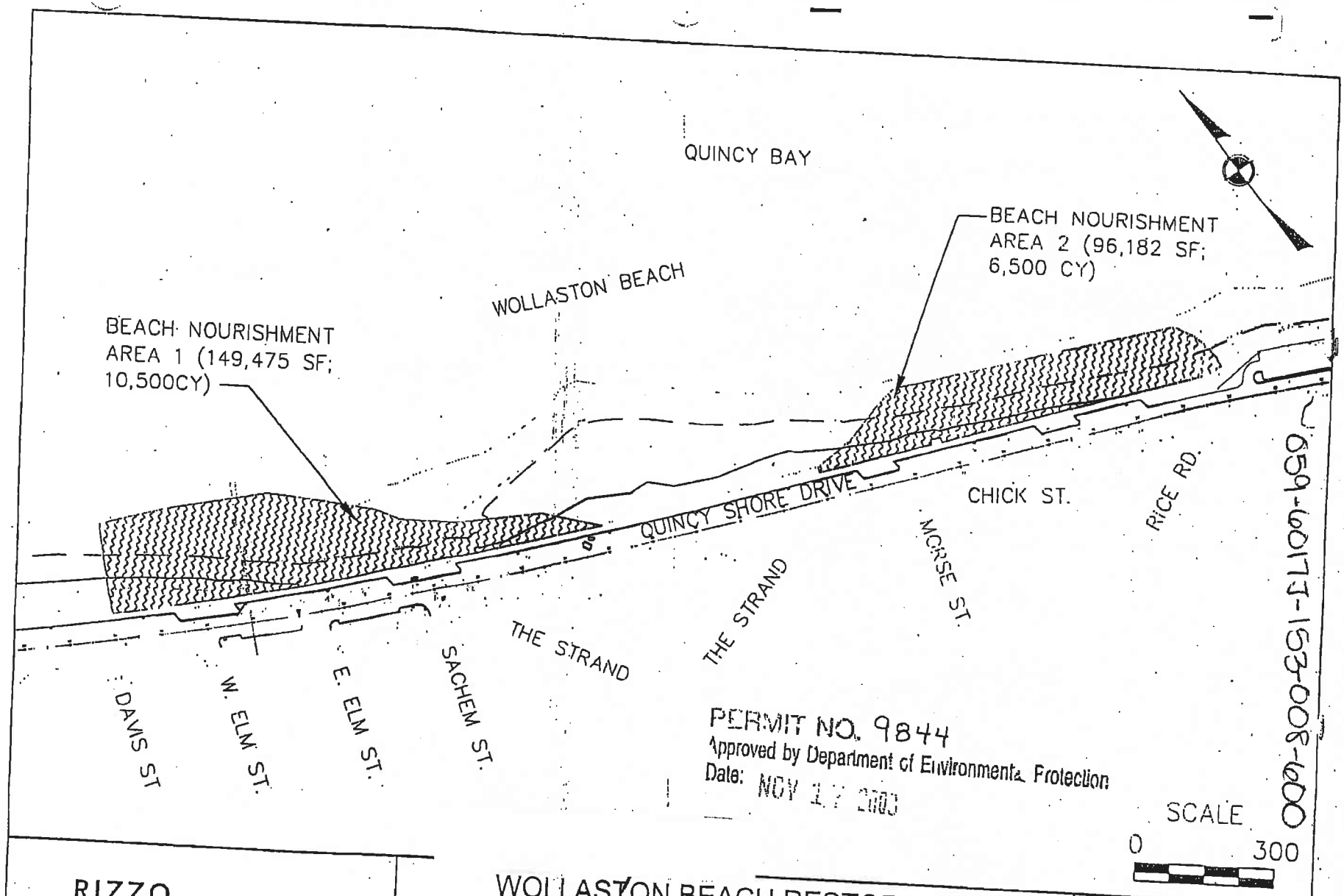
PLAN & PROFILE FOR EXTENSION OF DRAIN OPPOSITE CARLE ROAD DRAIN #3



SECTION D-D
Scale: 1"=4'

Proposed Seawall, Drain Extensions Groins & Sand Fill In Quincy Bay, Wollaston Beach At Quincy County of Norfolk, State Mass. Application By The Metropolitan District Commission
Sheet 20-2 Date: Dec. 1957
HAYDEN, HARDING & BUCHANAN ENG INC

LICENSE PLAN 4045
APPROVED - FEBRUARY 3, 1958



RIZZO ASSOCIATES
A TETRA TECH COMPANY

1" = 300'

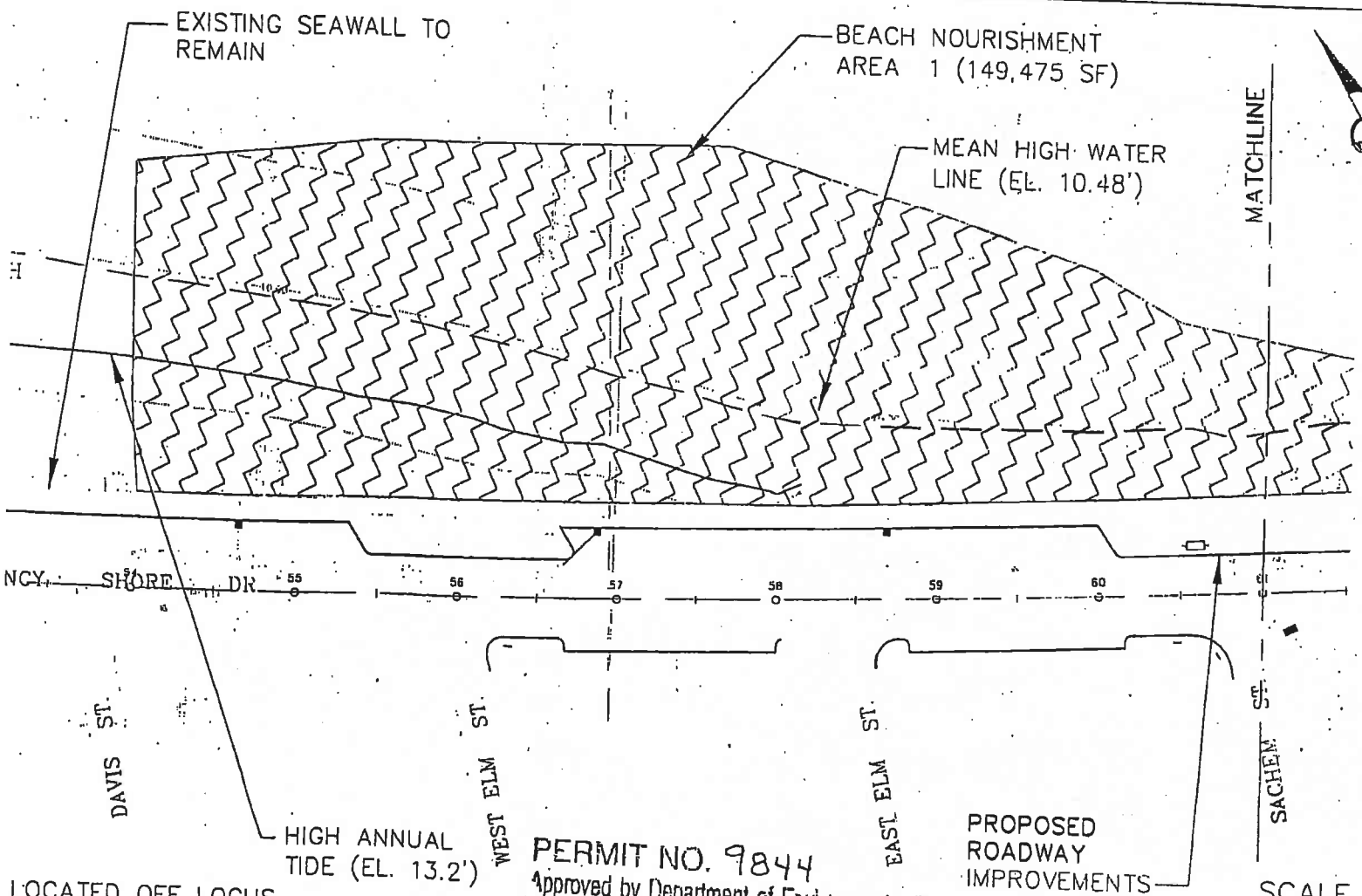
WOLLASTON BEACH RESTORATION PROJECT

NORFOLK COUNTY
MASSACHUSETTS
SITE PLAN

APPLICATION BY:
METROPOLITAN
DISTRICT COMMISSION

DECEMBER 20, 2002

1 OF 10



NOTES:
1. MLW LOCATED OFF LOCUS
2. DATUM: BOSTON CITY BASE

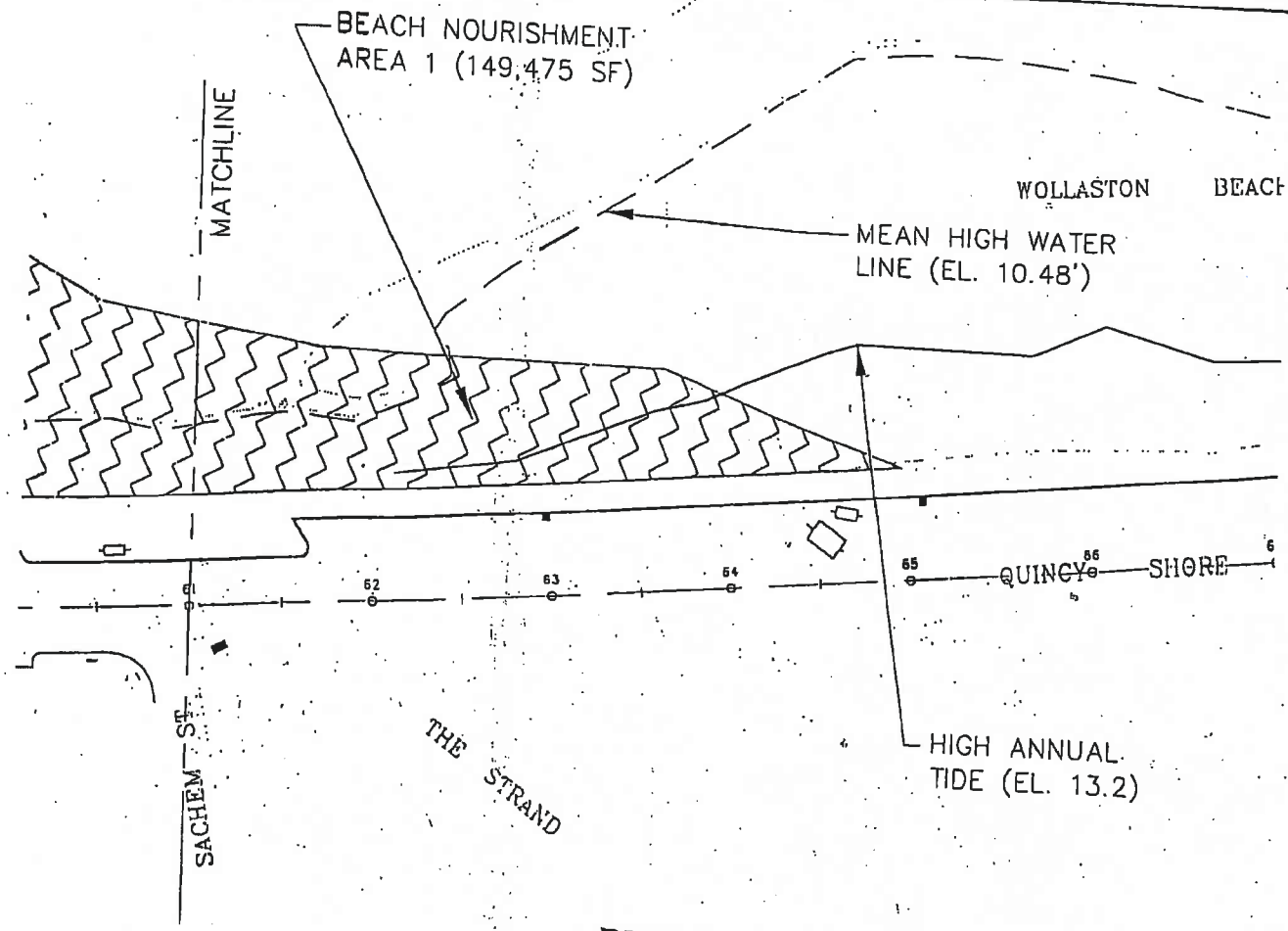
PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV

SCALE
0 100

059-6017J-153008-600

RIZZO ASSOCIATES A TETRA TECH COMPANY 1" = 100'	WOLLASTON BEACH RESTORATION PROJECT NORFOLK COUNTY MASSACHUSETTS BEACH NOURISHMENT AREA 1 (SHEET 1 OF 2)	DECEMBER 20, 2002 APPLICATION BY: METROPOLITAN DISTRICT COMMISSION 2 OF 10

J:\Projects\6837\CNV\Plot\6837P-EACOI.dwg 10/03/2002 03:01:52 PM EST



059-6017J-153-008-600

NOTES:
1. MLW LOCATED OFF LOCUS
2. DATUM: BOSTON CITY BASE

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 17 2003

SCALE
0 100

RIZZO ASSOCIATES
A TETRA TECH COMPANY
1" = 100'

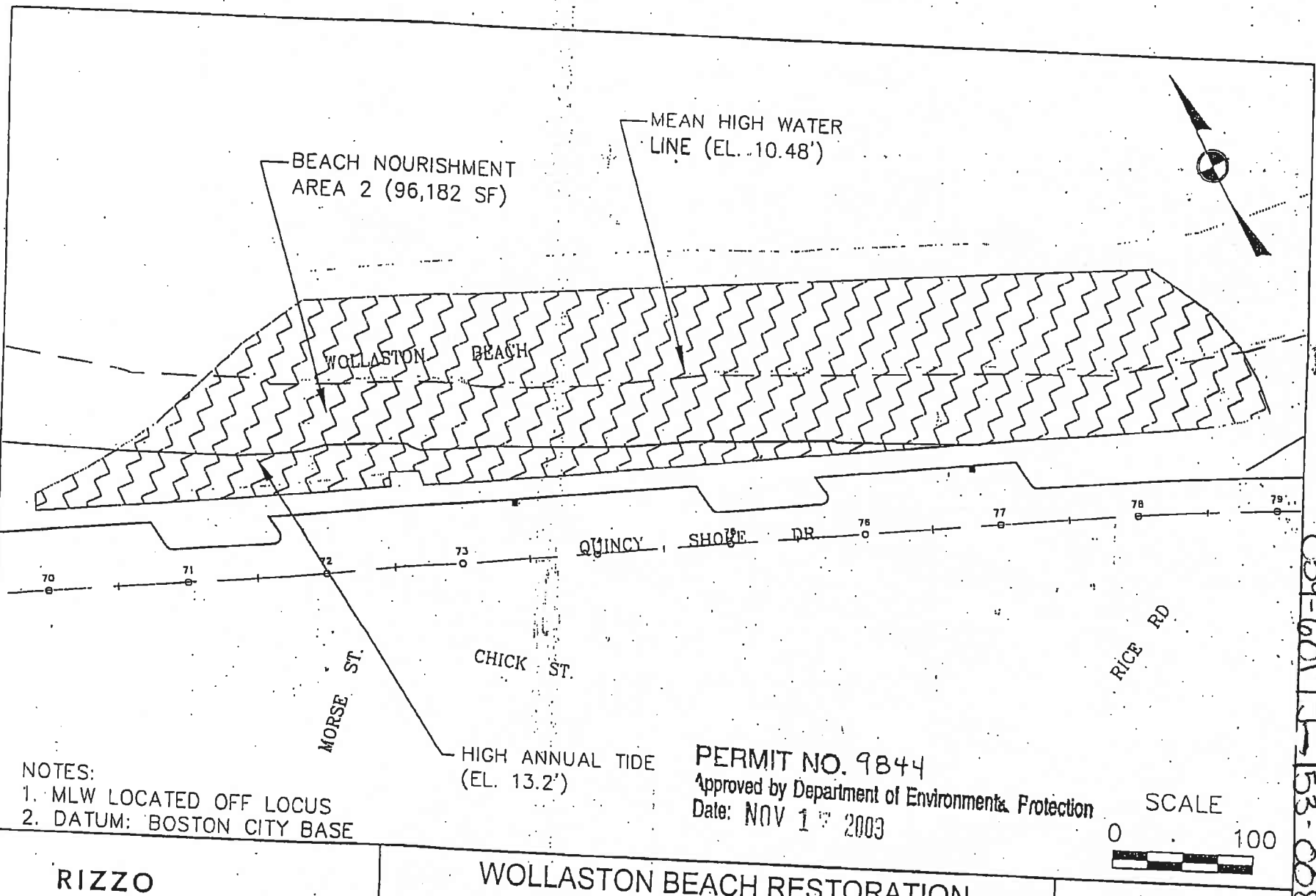
WOLLASTON BEACH RESTORATION PROJECT

DECEMBER 20, 2002

NORFOLK COUNTY
MASSACHUSETTS
BEACH NOURISHMENT AREA 1 (SHEET 2 OF 2)

APPLICATION BY:
METROPOLITAN
DISTRICT COMMISSION

3 OF 10



NOTES:
1. MLW LOCATED OFF LOCUS
2. DATUM: BOSTON CITY BASE

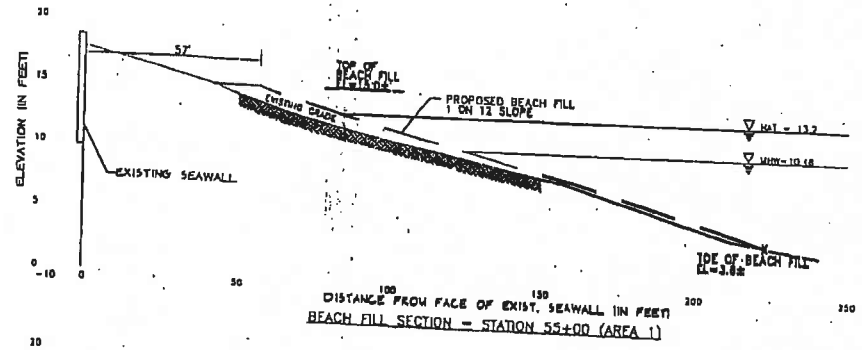
PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 17 2003

SCALE
0 100

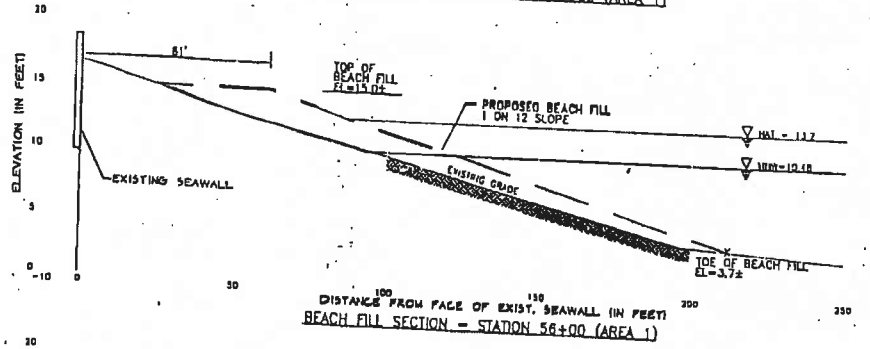
C59-6017-153-008-600

RIZZO ASSOCIATES A TETRA TECH COMPANY 1" = 100'	WOLLASTON BEACH RESTORATION PROJECT		DECEMBER 20, 2002
	NORFOLK COUNTY MASSACHUSETTS BEACH NOURISHMENT AREA 2	APPLICATION BY: METROPOLITAN DISTRICT COMMISSION	4 OF 10

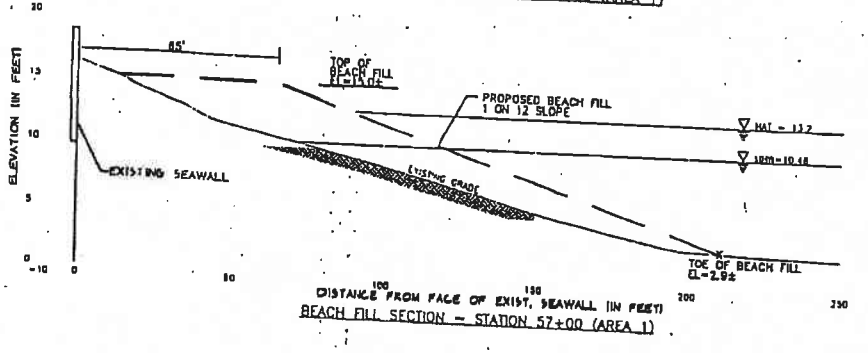
NOTE:
AREA 1: 149,475 SF; 10,500 CY
AREA 2: 96,182 SF; 6,500 CY
TOTAL: 245,657 SF; 17,000CY



BEACH FILL SECTION - STATION 55+00 (AREA 1)



BEACH FILL SECTION - STATION 56+00 (AREA 1)



BEACH FILL SECTION - STATION 57+00 (AREA 1)

VERT. SCALE
0 15
1"=15'

HOR. SCALE
0 60
1"=60'

DATUM: BOSTON CITY BASE

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 1 1 2003

059-6011-153-008-600

RIZZO ASSOCIATES
A TETRA TECH COMPANY

WOLLASTON BEACH RESTORATION PROJECT

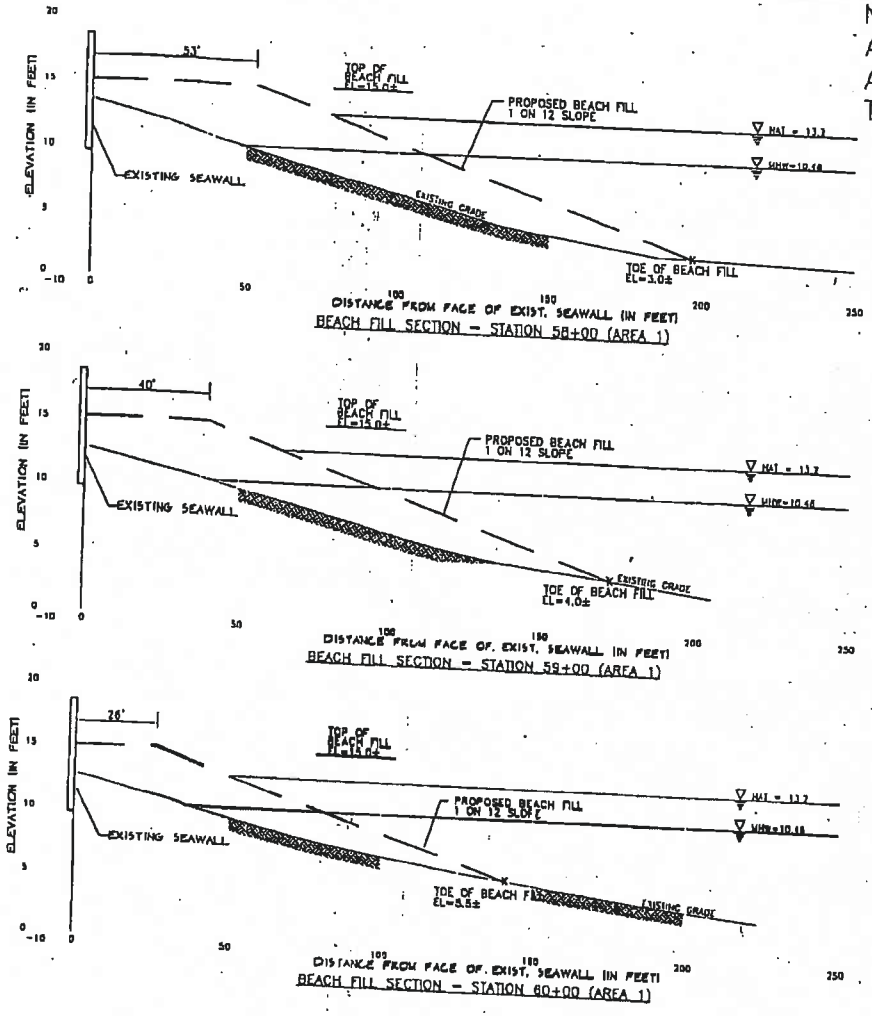
DECEMBER 20, 2002

NORFOLK COUNTY
MASSACHUSETTS
BEACH NOURISHMENT CROSS SECTIONS (SHEET 1 OF 6)

APPLICATION BY:
METROPOLITAN
DISTRICT COMMISSION

5 OF 10

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 14 2003



NOTE:
AREA 1: 149,475 SF; 10,500 CY
AREA 2: 96,182 SF; 6,500 CY
TOTAL: 245,657 SF; 17,000CY

VERT. SCALE
0 15
1"=15'

HOR. SCALE
0 60
1"=60'

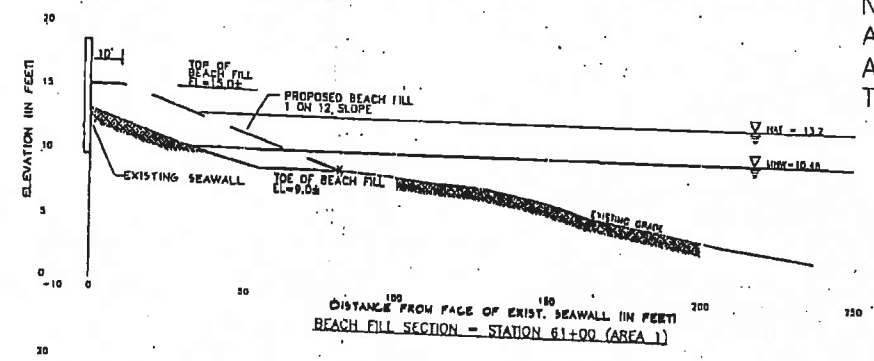
DATUM: BOSTON CITY BASE

059-6017.T-153-008-600

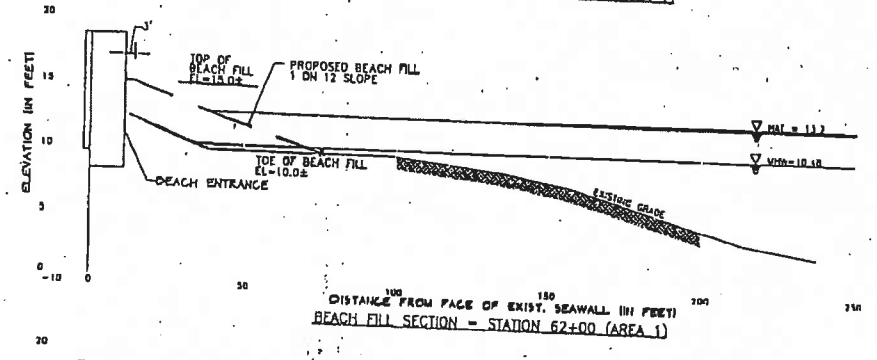
RIZZO ASSOCIATES A TETRA TECH COMPANY	WOLLASTON BEACH RESTORATION PROJECT	DECEMBER 20, 2002
	NORFOLK COUNTY MASSACHUSETTS BEACH NOURISHMENT CROSS SECTIONS (SHEET 2 OF 6)	APPLICATION BY: METROPOLITAN DISTRICT COMMISSION
		6 OF 10

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 17 2003

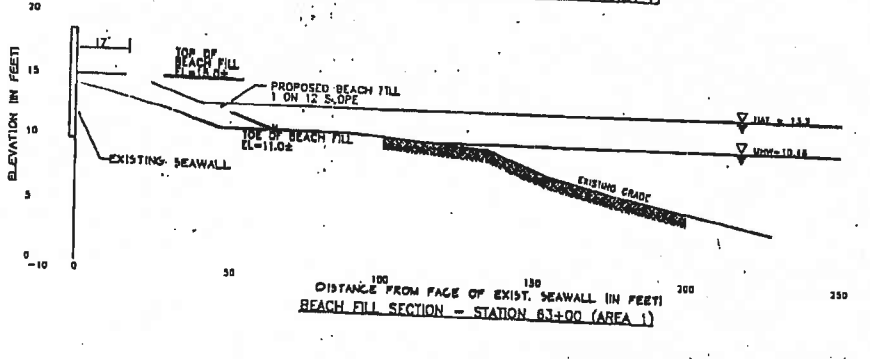
NOTE:
AREA 1: 149,475 SF; 10,500 CY
AREA 2: 96,182 SF; 6,500 CY
TOTAL: 245,657 SF; 17,000CY



BEACH FILL SECTION - STATION 61+00 (AREA 1)



BEACH FILL SECTION - STATION 62+00 (AREA 1)



BEACH FILL SECTION - STATION 63+00 (AREA 1)

VERT. SCALE
0 15
1"=15'

HOR. SCALE
0 60
1"=60'

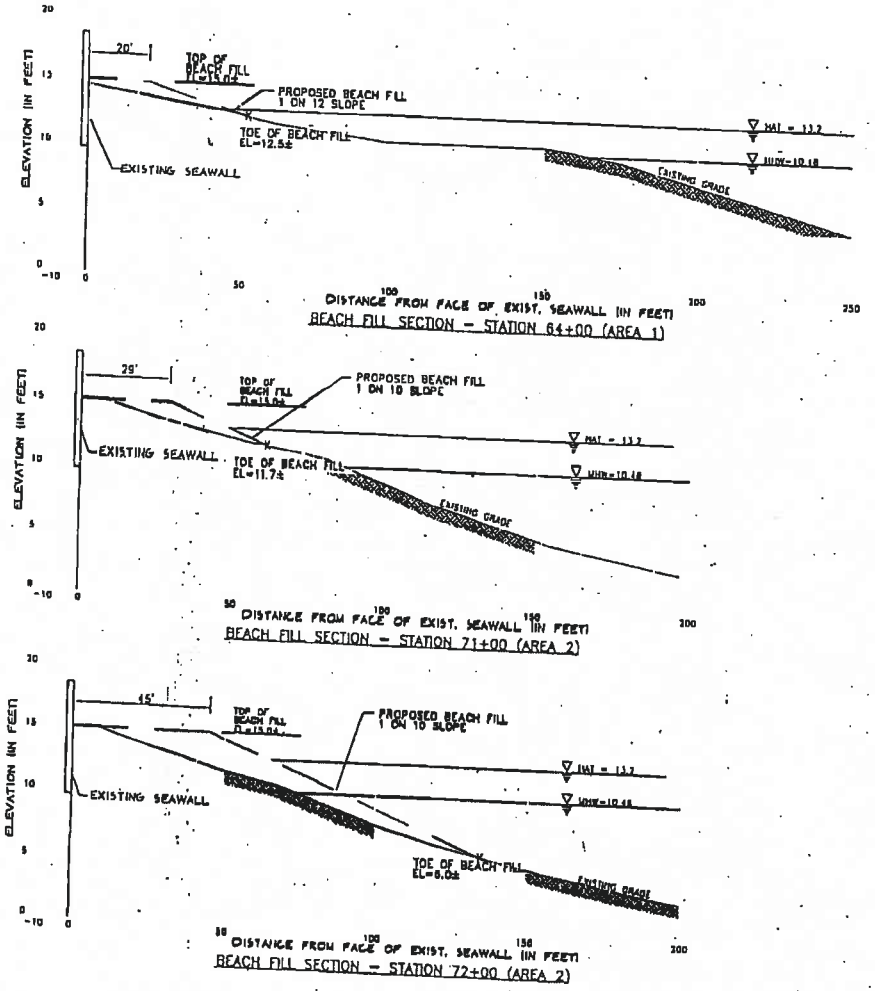
DATUM: BOSTON CITY BASE

059-6017.T-153008-100

RIZZO ASSOCIATES A TETRA TECH COMPANY	WOLLASTON BEACH RESTORATION PROJECT	DECEMBER 20, 2002
	NORFOLK COUNTY MASSACHUSETTS BEACH NOURISHMENT CROSS SECTIONS (SHEET 3 OF 6)	APPLICATION BY: METROPOLITAN DISTRICT COMMISSION
		7 OF 10

NOTE:
AREA 1: 149,475 SF; 10,500 CY
AREA 2: 96,182 SF; 6,500 CY
TOTAL: 245,657 SF; 17,000CY

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 1 2 2002



VERT. SCALE
0 15
1"=15'

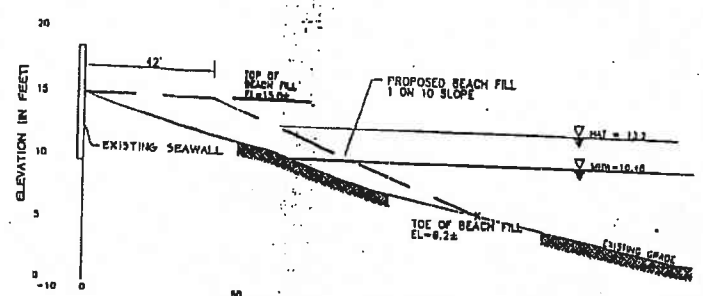
HOR. SCALE
0 60
1"=60'

DATUM: BOSTON CITY BASE

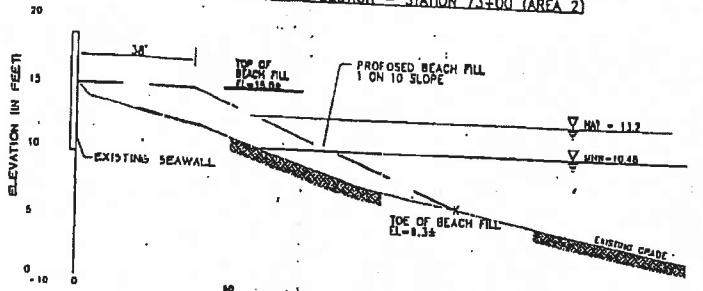
059-6017-153-008-000

RIZZO ASSOCIATES A TETRA TECH COMPANY	WOLLASTON BEACH RESTORATION PROJECT	DECEMBER 20, 2002
NORFOLK COUNTY MASSACHUSETTS BEACH NOURISHMENT CROSS SECTIONS (SHEET 4 OF 6)	APPLICATION BY: METROPOLITAN DISTRICT COMMISSION	8 OF 10

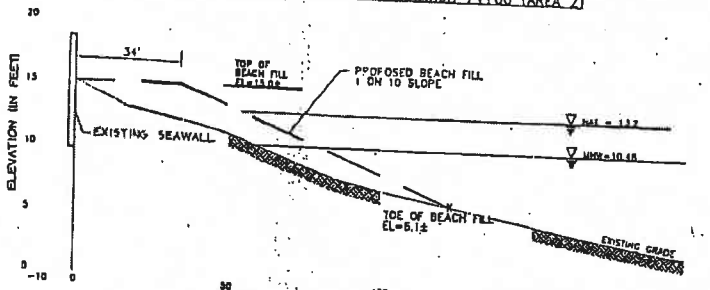
NOTE:
AREA 1: 149,475 SF; 10,500 CY
AREA 2: 96,182 SF; 6,500 CY
TOTAL: 245,657 SF; 17,000CY



BEACH FILL SECTION - STATION 73+00 (AREA 2)



BEACH FILL SECTION - STATION 74+00 (AREA 2)



BEACH FILL SECTION - STATION 75+00 (AREA 2)

VERT. SCALE
0 15
1"=15'

HOR. SCALE
0 60
1"=60'

DATUM: BOSTON CITY BASE

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 17 2003

059-6017.J-153-008-600

RIZZO ASSOCIATES
A TETRA TECH COMPANY

WOLLASTON BEACH RESTORATION PROJECT

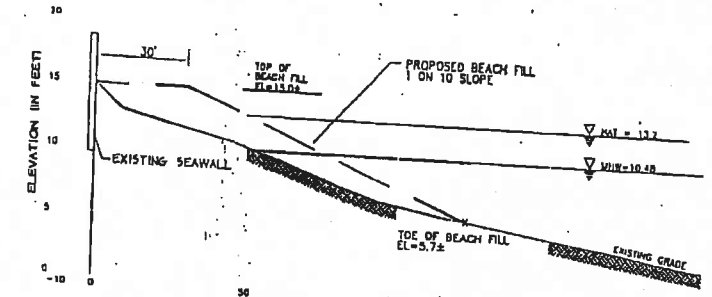
DECEMBER 20, 2002

NORFOLK COUNTY
MASSACHUSETTS
BEACH NOURISHMENT CROSS SECTIONS (SHEET 5 OF 6)

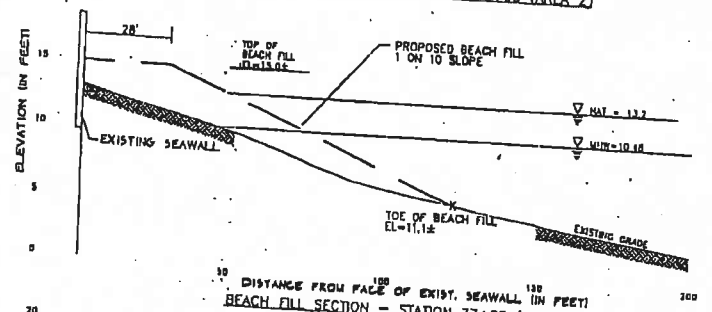
APPLICATION BY:
METROPOLITAN
DISTRICT COMMISSION

9 OF 10

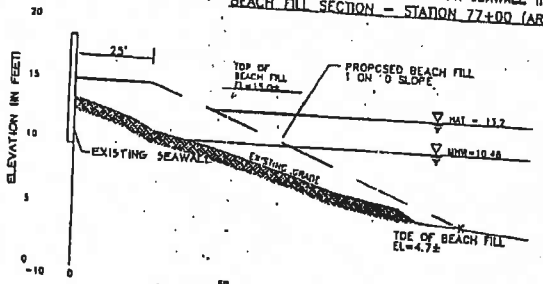
NOTE:
AREA 1: 149,475 SF; 10,500 CY
AREA 2: 96,182 SF; 6,500 CY
TOTAL: 245,657 SF; 17,000CY



BEACH FILL SECTION - STATION 76+00 (AREA 2)



BEACH FILL SECTION - STATION 77+00 (AREA 2)



BEACH FILL SECTION - STATION 78+00 (AREA 2)

VERT. SCALE
0 15
1"=15'

HOR. SCALE
0 60
1"=60'

DATUM: BOSTON CITY BASE

PERMIT NO. 9844
Approved by Department of Environmental Protection
Date: NOV 17 2003

059-0011-153-008-600

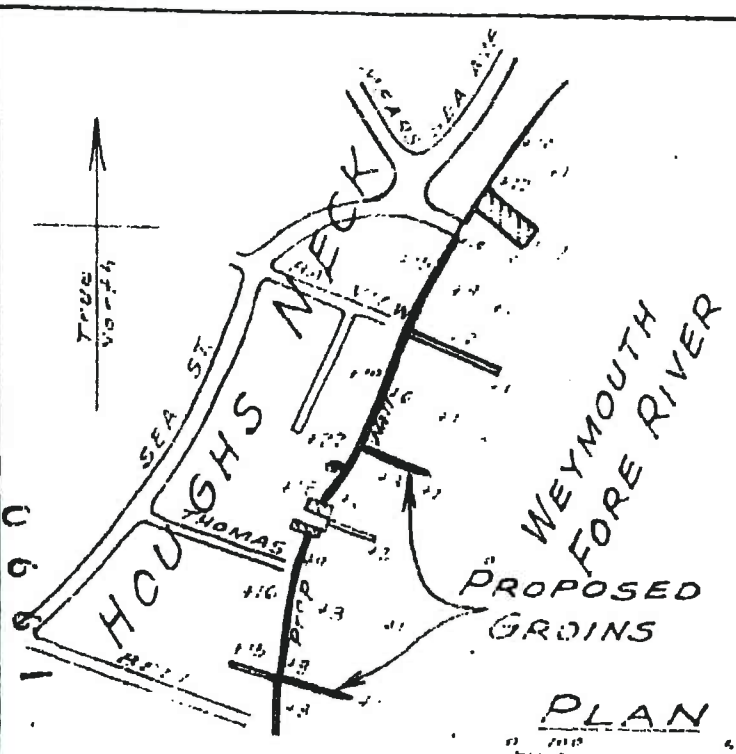
RIZZO ASSOCIATES A TETRA TECH COMPANY	WOLLASTON BEACH RESTORATION PROJECT	DECEMBER 20, 2002
	NORFOLK COUNTY MASSACHUSETTS BEACH NOURISHMENT CROSS SECTIONS (SHEET 6 OF 6)	APPLICATION BY: METROPOLITAN DISTRICT COMMISSION
		10 OF 10

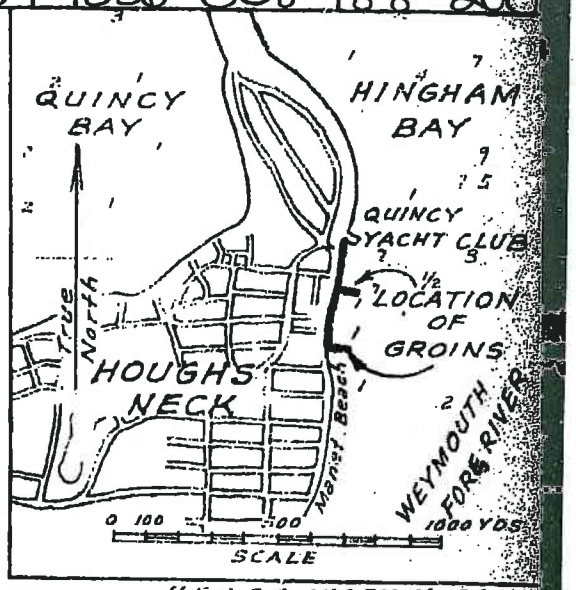
TOWN: QUINCY
SOURCE: US ACOE
LOCATION: CONCORD, MA
DATE OF RESEARCH: AUGUST 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
059-1036-008-188-200	059-1036-008-188-200-COE2A	47-272	USACE	Quincy	3-Dec-47	Proposed Groins in Weymouth Fore River at Houghs Neck, Quincy, Massachusetts	1	Sea Street Between Bell Street and Bayview Avenue	Groins
059-1078B-014-019-100	059-1078B-014-019-100-COE1A	52-257	USACE	Quincy	Dec-52	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk, Massachusetts	1	Shellton Road at Oak Lane and Poplar Street	Seawall and Groin
059-1078B-014-019-100	059-1078B-014-019-100-COE1B	25-256	USACE	Quincy	Nov-52	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk, Massachusetts	1	Sea Street and Shelton Road	Seawall and Groin
059-1078B-014-019-100	059-1078B-014-019-100-COE1C	52-221	USACE	Quincy	3-Oct-52	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk	1	Sea Street and Babcock Avenue	Seawall and Groin
059-1078B-014-019-100	059-1078B-014-019-100-COE1D	53-17	USACE	Quincy	19-Jan-53	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk, Massachusetts	1	Manet Avenue from Newton Street to Malvern Street	Seawall and Groin
059-1078B-014-019-100	059-1078B-014-019-100-COE1E	53-243	USACE	Quincy	7-Oct-53	Proposed Groin in Quincy Bay at Heron Road Extension, Quincy, County of Norfok, Massachusetts	1	End of Heron Road	Groin
059-1078B-014-019-100	059-1078B-014-019-100-COE1F	59-209	USACE	Quincy	Jun-59	Proposed Precast Concrete Seawall, Stone Mound, and Sand Fill in the Vicinity of Shellton Road at Plover Road on Adam's Shore, Quincy Bay, Quincy, Massachusetts	1	Shellton Road at Plovers Road	Concrete Seawall, Stone Mound and Sand Fill
059-1078B-014-019-100	059-1078B-014-019-100-COE1G	199202765	USACE	Quincy	11-Nov-92	Proposed Seawall Rebuild - Phase 1 - Quincy, MA	7	Shellton Road	Seawall Rebuilt
059-1078B-014-019-200	059-1078B-014-019-200-COE2A	52-257	USACE	Quincy	Dec-52	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk, Massachusetts	1	Shellton Road at Oak Lane and Poplar Street	Seawall and Groin
059-1078B-014-019-200	059-1078B-014-019-200-COE2B	25-256	USACE	Quincy	Nov-52	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk, Massachusetts	1	Sea Street and Shelton Road	Seawall and Groin
059-1078B-014-019-200	059-1078B-014-019-200-COE2C	52-221	USACE	Quincy	3-Oct-52	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk	1	Sea Street and Babcock Avenue	Seawall and Groin
059-1078B-014-019-200	059-1078B-014-019-200-COE2D	53-17	USACE	Quincy	19-Jan-53	Proposed Seawall and Groins in Quincy Bay at Houghs Neck, Quincy, County of Norfolk, Massachusetts	1	Manet Avenue from Newton Street to Malvern Street	Seawall and Groin
059-1078B-014-019-200	059-1078B-014-019-200-COE2E	53-243	USACE	Quincy	7-Oct-53	Proposed Groin in Quincy Bay at Heron Road Extension, Quincy, County of Norfok, Massachusetts	1	End of Heron Road	Groin
059-1078B-014-019-200	059-1078B-014-019-200-COE2F	58-175	USACE	Quincy	Apr-58	Proposed Groin and Sand Fill at Adams Shore in the Vicinity of Heron Road, Quincy Bay, Quincy, Massachusetts	1	Heron Road and Shellton Road	Groin and Sand Fill
059-1100-003-00C-100	059-1100-003-00C-100-COE1A	47-177	USACE	Quincy	21-Jul-47	Proposed Groins and Wall at Weymouth Fore River, Germantown, Quincy, Massachusetts	1	End of Prescott Terrace	Seawall and Groins
059-1100-003-00C-200	059-1100-003-00C-200-COE2A	47-177	USACE	Quincy	21-Jul-47	Proposed Groins and Wall at Weymouth Fore River, Germantown, Quincy, Massachusetts	1	End of Prescott Terrace	Seawall and Groins

10 0187

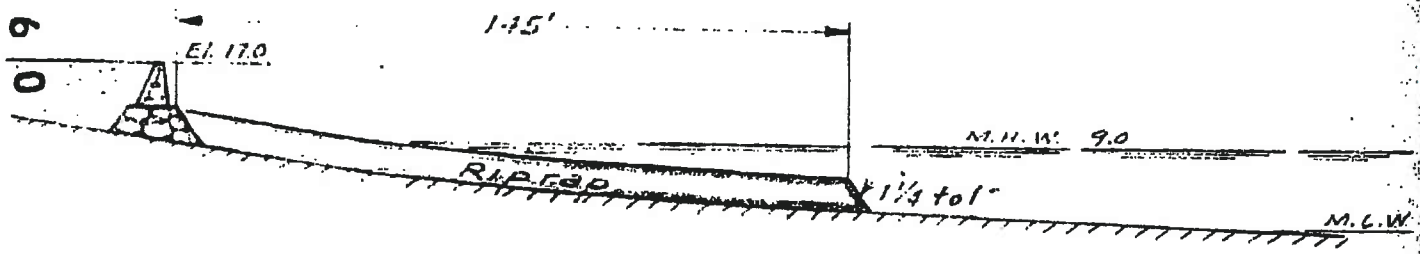
059-1036-008-188-20C



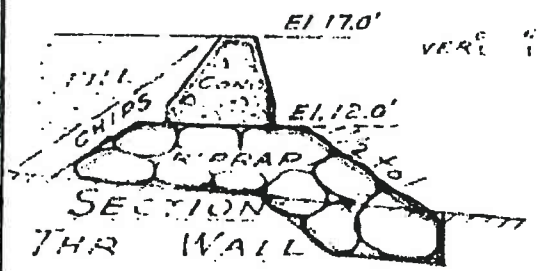


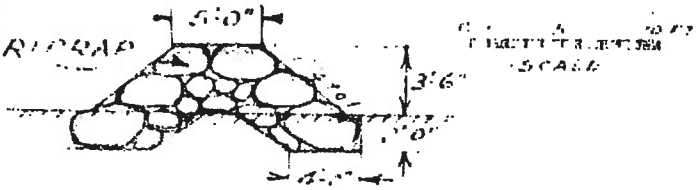
U.S.C. & G. CHART No. 246

PLAN



LONGITUDINAL SECTION





SECTION THRU GROIN

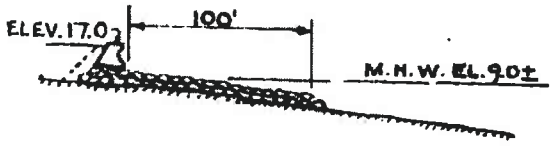
Proposed Groins in Weymouth Fore River at Houghs Neck Quincy, Mass.

Application by
PORT OF BOSTON AUTHORITY
December 3, 1947.

0 1 5 4 7

059 - 1078 B-014 -019 - 100

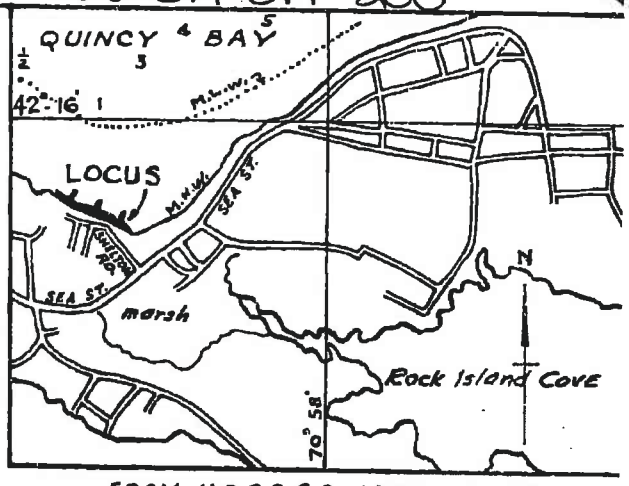
059-1078B-014-019 -200



ELEVATION OF GROIN

HOR. 0 20 40 60 80 100

VERT. 0 10 20 30 40

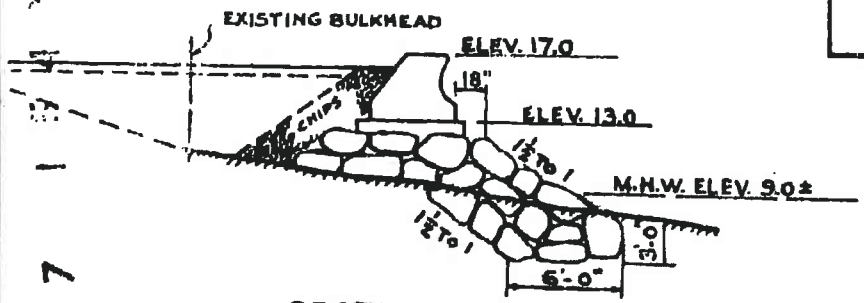


FROM U.S.C.& G.S. CHART NO. 246

LOCATION PLAN

0 1000 2000

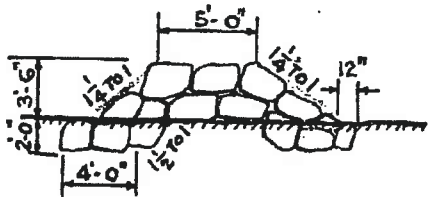
SCALE 1:25,000



SECTION THRU WALL

0 2 4 6 8 10

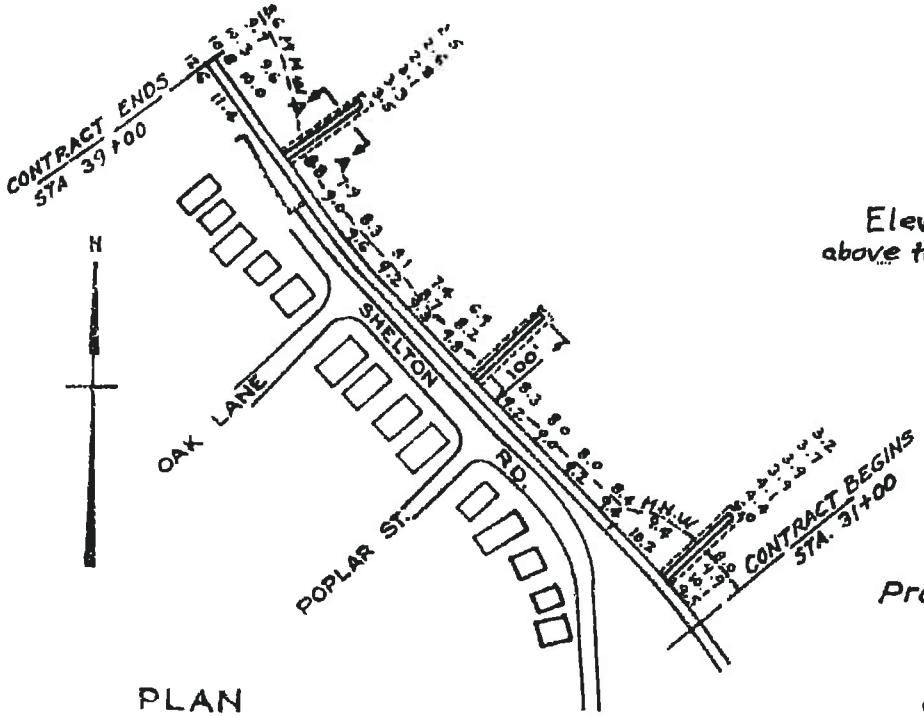
SCALE 1"=10'



SECTION A-A

0 2 4 6 8 10

SCALE 1"=10'



PLAN

0 100 200 300 400

SCALE 1"=200'

Elevations are in feet and tenths above the plane of Mean Low Water

Proposed Sea Wall and Groins

in Quincy Bay

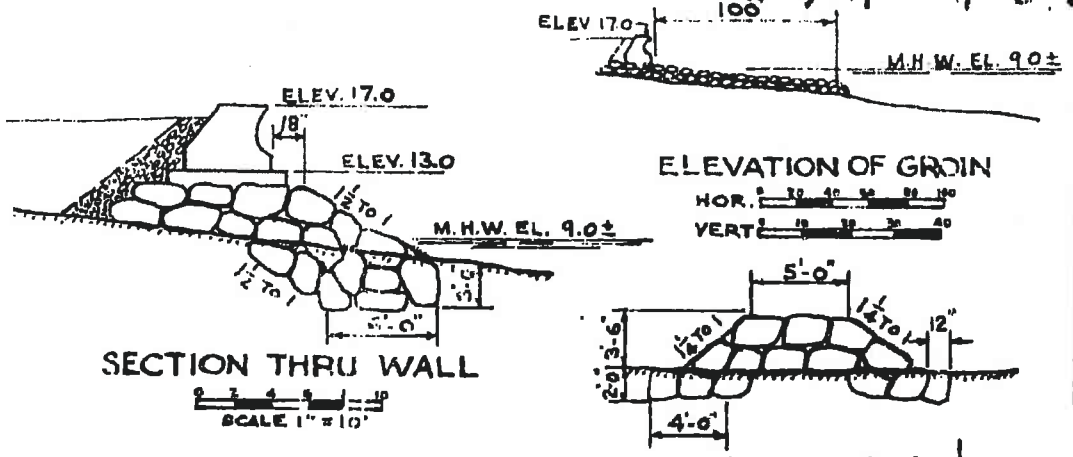
at Houghs Neck, Quincy

County of Norfolk, Mass.

Application by Port of Boston Authority

December 1952

0 9 7 1



SECTION THRU WALL

SCALE 1" = 10'

ELEVATION OF GROIN

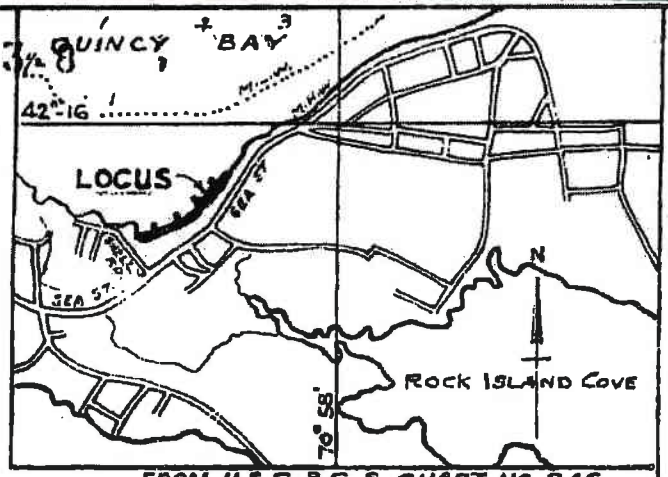
HOR. 0 30 40 50 60 100

VERT 0 10 30 35 40

SECTION A-A

SCALE 1" = 10'

Elevations are in feet and tenths above the plane of Mean Low Water.

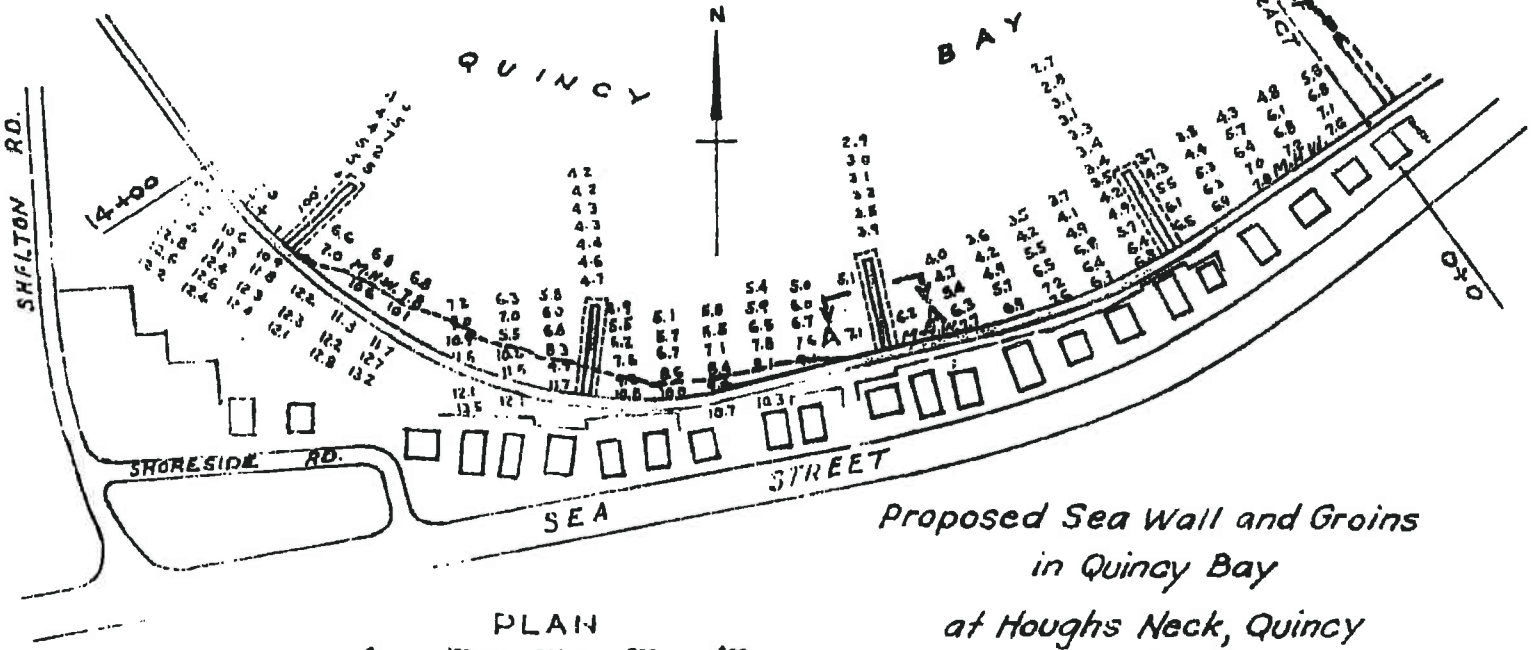


FROM U.S.C. & G.S. CHART NO. 246

LOCATION PLAN

0 1000 2000

SCALE 1:25000



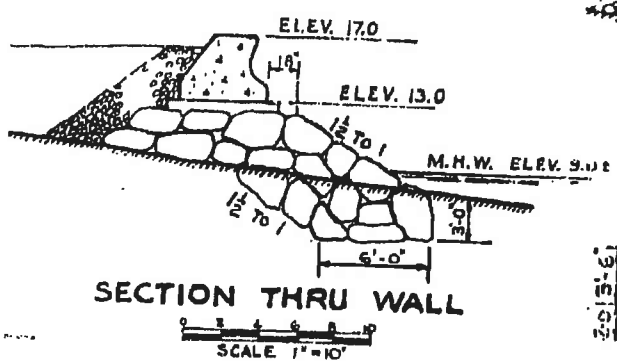
PLAN

0 100 200 300 400

SCALE 1" = 200'

Auth. by Fed. Permit dated 10/29/52

Proposed Sea Wall and Groins
in Quincy Bay
at Houghs Neck, Quincy
County of Norfolk, Mass.
Application by Port of Boston Authority
November 1952



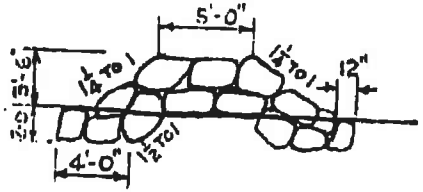
SECTION THRU WALL

SCALE 1" = 10'

ELEVATION OF GROIN

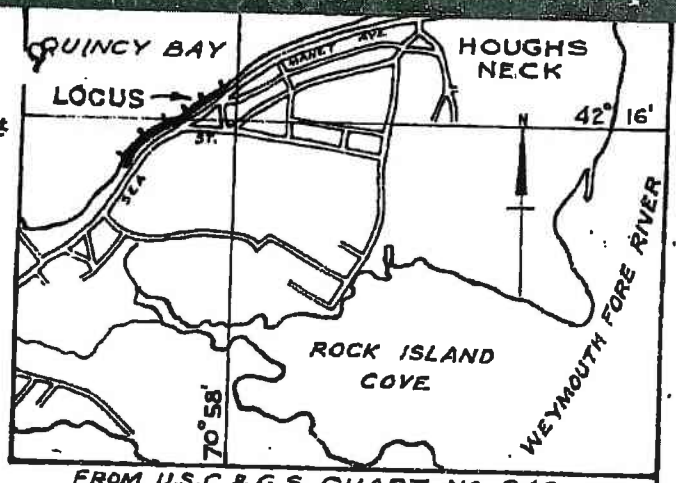
HOR. 0 10 20 30 40 FT.

VERT 0 10 20 30 40 FT.



SECTION A-A

SCALE 1" = 10'

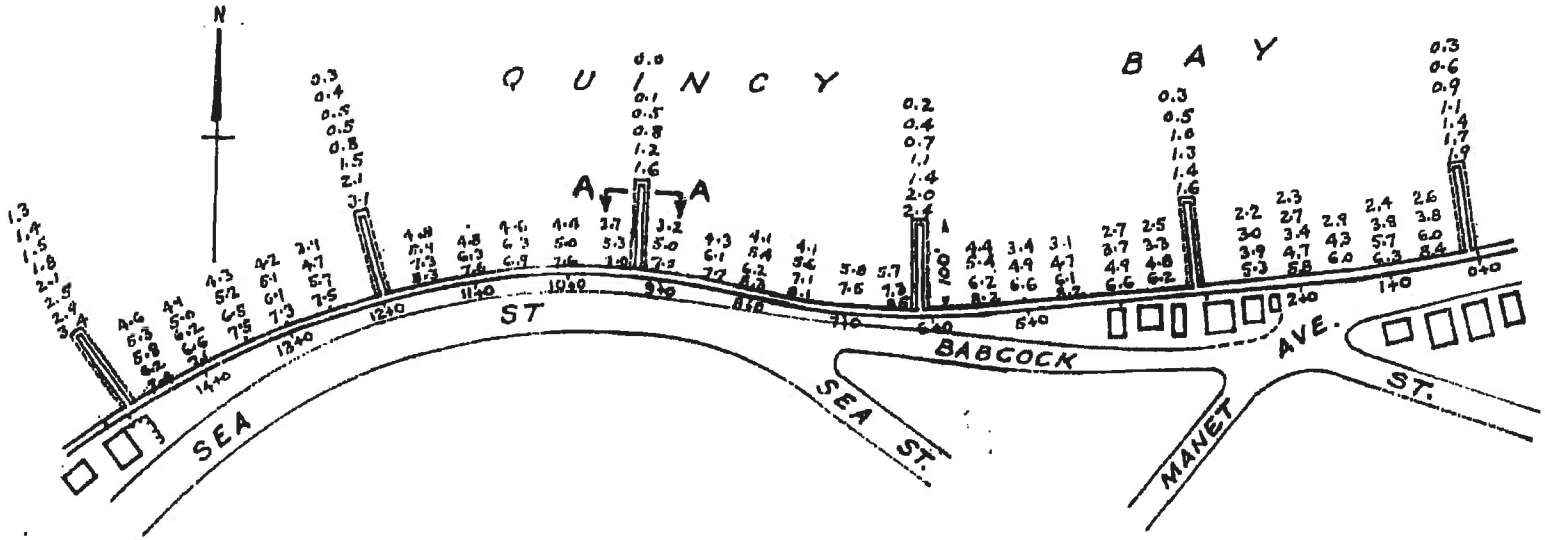


FROM U.S.C.&G.S. CHART NO. 246

LOCATION PLAN

0 540 1000 1500 2000 FT.

SCALE 1:25,000



PLAN

0 100 200 300 400

SCALE 1" = 200'

Soundings are in feet and tenths and refer to Mean Low Water.

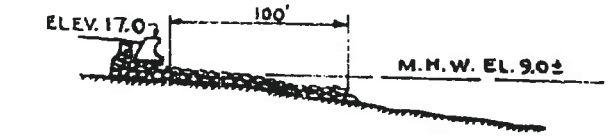
Proposed Sea Wall and Groins in Quincy Bay at Houghs Neck, Quincy County of Norfolk, Mass.

Application by Port of Boston Authority

October 3, 1952

0 9 2 0 0 9 5 6

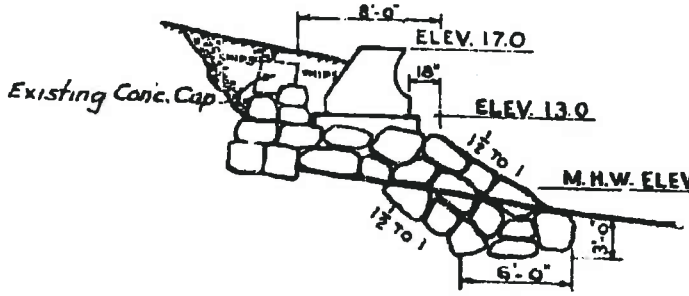
059-1078B-014-019-100
059-1078B-014-019-200



ELEVATION OF GROIN

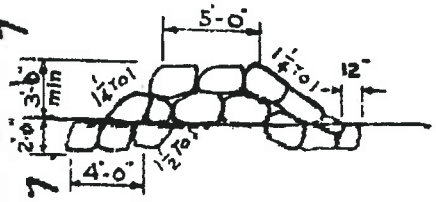
HOR. 0 20 40 60 80 100

VERT. 0 10 20 30 40



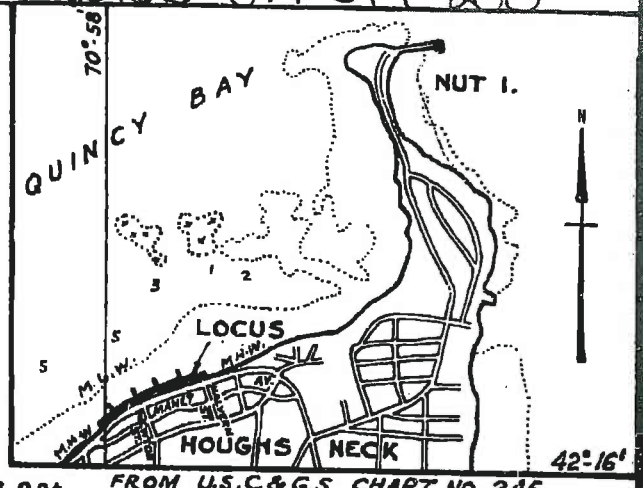
SECTION THRU WALL

SCALE 1"=10'



SECTION A-A

SCALE 1"=10'

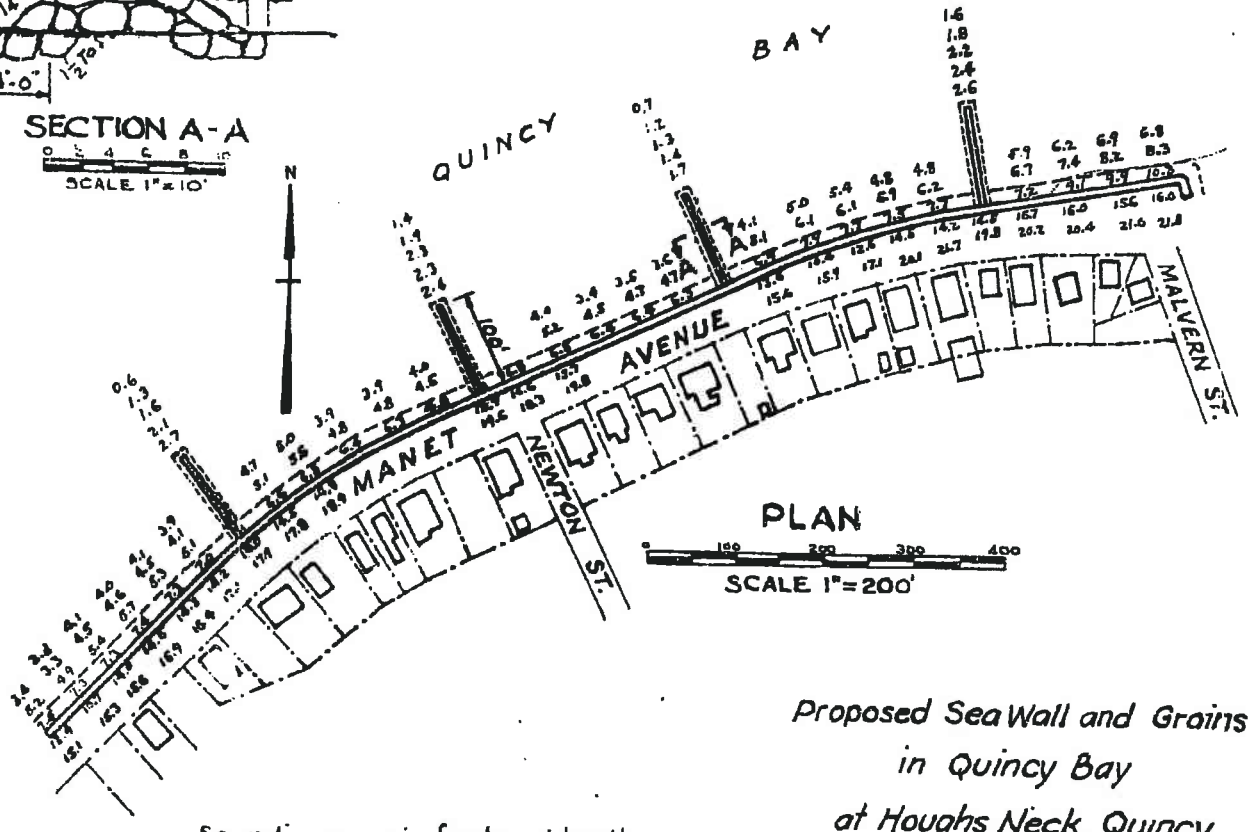


FROM U.S.C.&G.S. CHART NO. 246

LOCATION PLAN

0 1000 2000

SCALE 1:25,000



PLAN

0 100 200 300 400

SCALE 1"=200'

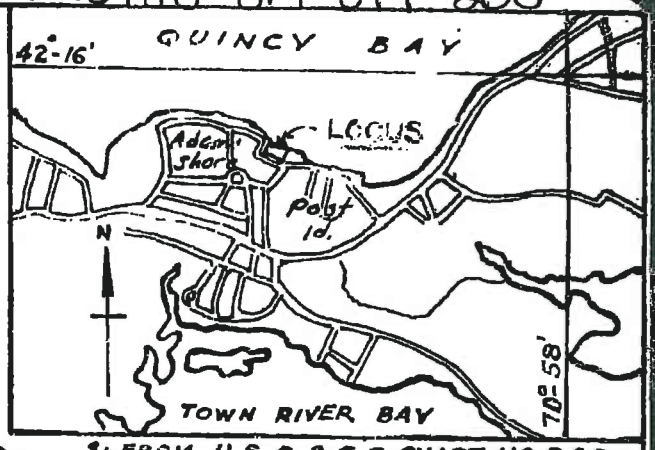
Soundings are in feet and tenths and refer to Mean Low Water.

Proposed Sea Wall and Grains in Quincy Bay at Houghs Neck, Quincy County of Norfolk, Mass. Application by Port of Boston Authority January 1953

0 9 3 1 0 8 8

059-1078B-014-019-100
059-1078B-014-019-200

Elevations are in feet and tenths and refer to Mean Low Water.



Ref FROM U.S.C. & G.S. CHART NO. 246

LOCATION PLAN

0 500 1000 1500 2000 2500

SCALE 1:25000

CITY OF QUINCY

ELINOR W. HARRINGTON

FRANK W. PARKER

CITY

150'

A

A

O'BRIAN RD.

ELINOR W. HARRINGTON

FRANK W. PARKER

CITY OF QUINCY PLAYGROUND

QUINCY

ROBERT C. DUNHAM

Mean High Water

stream

HERON RD.

ROBERT C. DUNHAM

Existing Wall

Retaining wall to be built above shore, not a part of this application

SEAGULL ROAD

MALLARD RD.

PLAN

0 100 200

SCALE 1"=100'

Elev 17.0

150'

Elev 13.0

MHW El 9.5±

5'-0"

MHW

Elev 7.5±

4'-0"

SECTION A-A

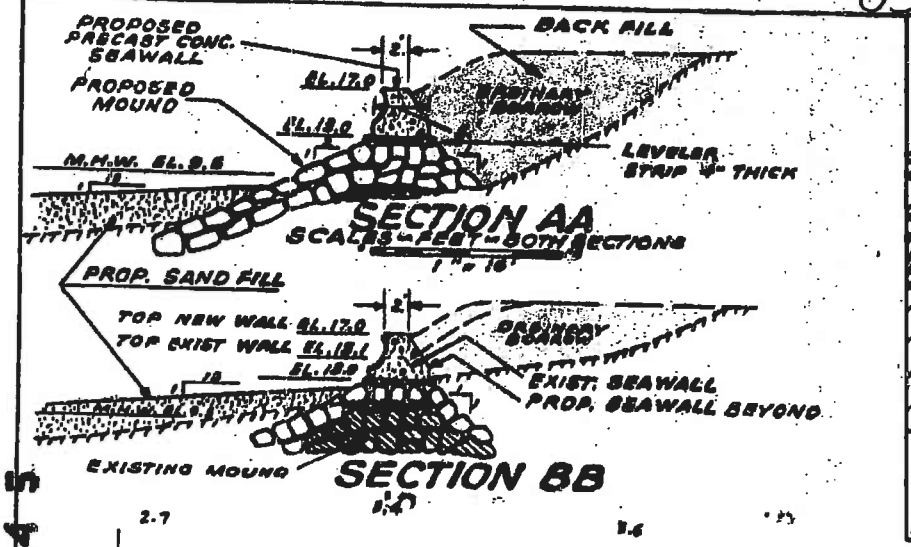
0 2 4 6 8 10

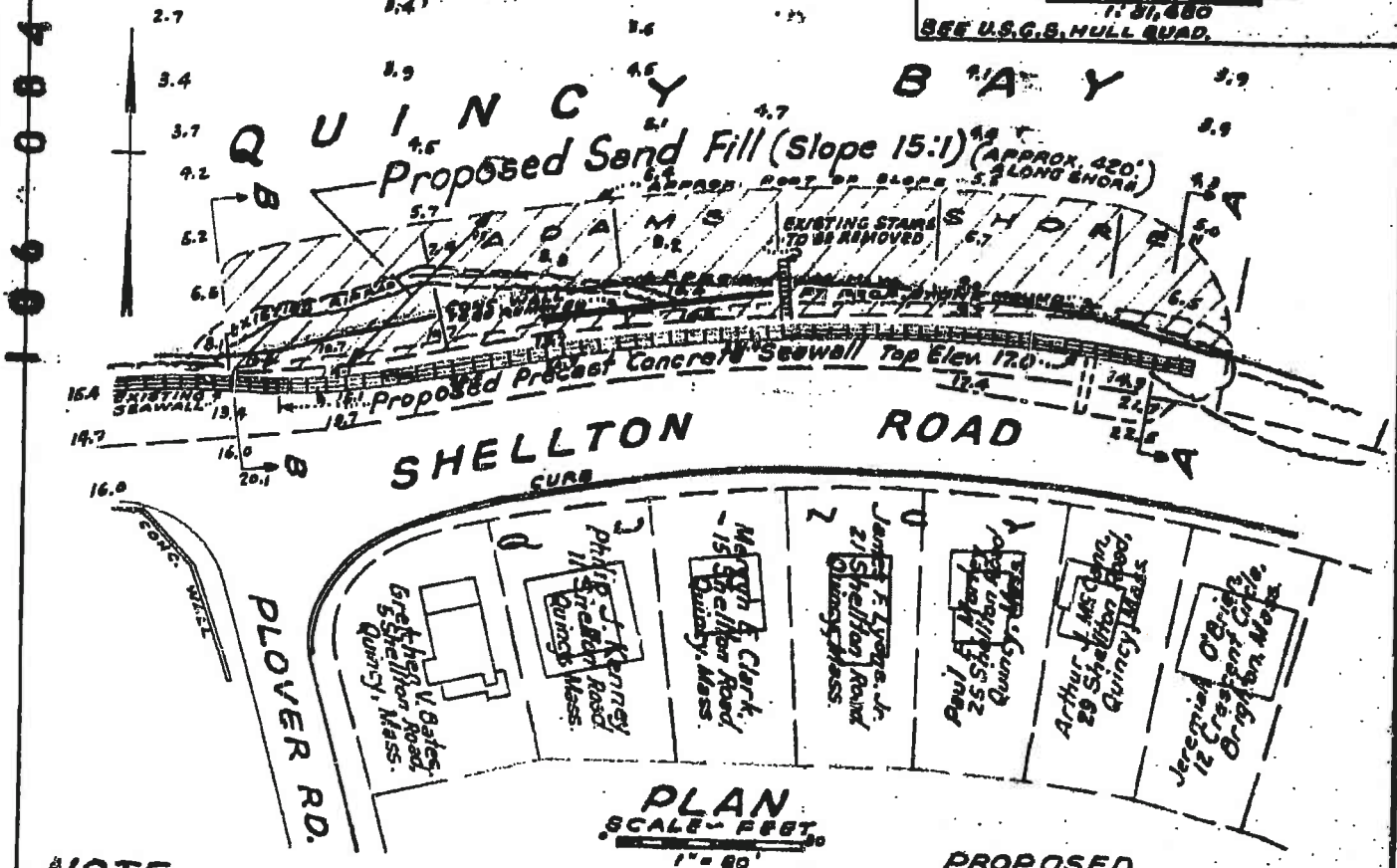
ELEVATION OF GROIN

HOR.

VERT.

Proposed Groin
in Quincy Bay
at Heron Road, Ext., Quincy
County of Norfolk, Mass.
Application by Port of Boston Commission
November 1952





VOTE

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

APPROX. EXISTING GROUND THUS

EXISTING SEAWALL TO BE RELOCATED TO MEET NEW SEAWALL AT THEIR JUNCTION.

EXISTING RIPRAP TO BE USED IN CONSTRUCTING NEW MOUND.

LOCATION OF PROPOSED WORK IS SHOWN IN RED.

PROPOSED
PRECAST CONCRETE SEAWALL
STONE MOUND - SAND FILL
VICINITY OF SHELLTON ROAD
AT PLOVER ROAD OF ADAMS SHORE

QUINCY BAY

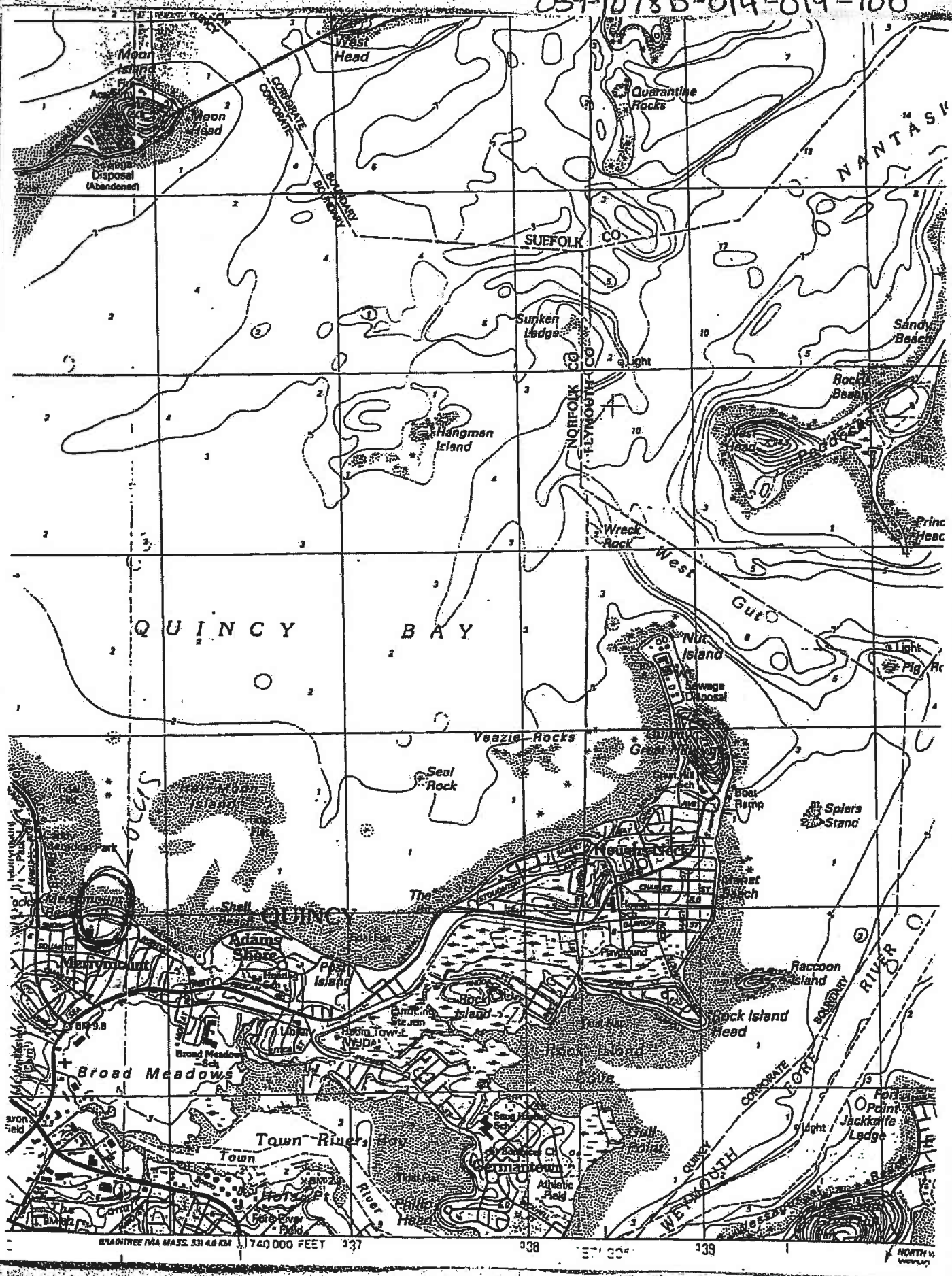
QUINCY - MASS.

APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION WATERWAYS

JUNE - 1959

Robert B. MacKenzie
CHIEF WATERWAYS ENGINEER

059-1078B-014-019-160



059-1078B-014-019-100

PROPOSED SEAWALL REBUILD

PHASE 1

QUINCY, MASSACHUSETTS

SHELLTON ROAD AT SWAN ROAD

SCALE: AS INDICATED	DATE: 11/13/92

REVISIONS

DATE	NO.	DESCRIPTION	BY

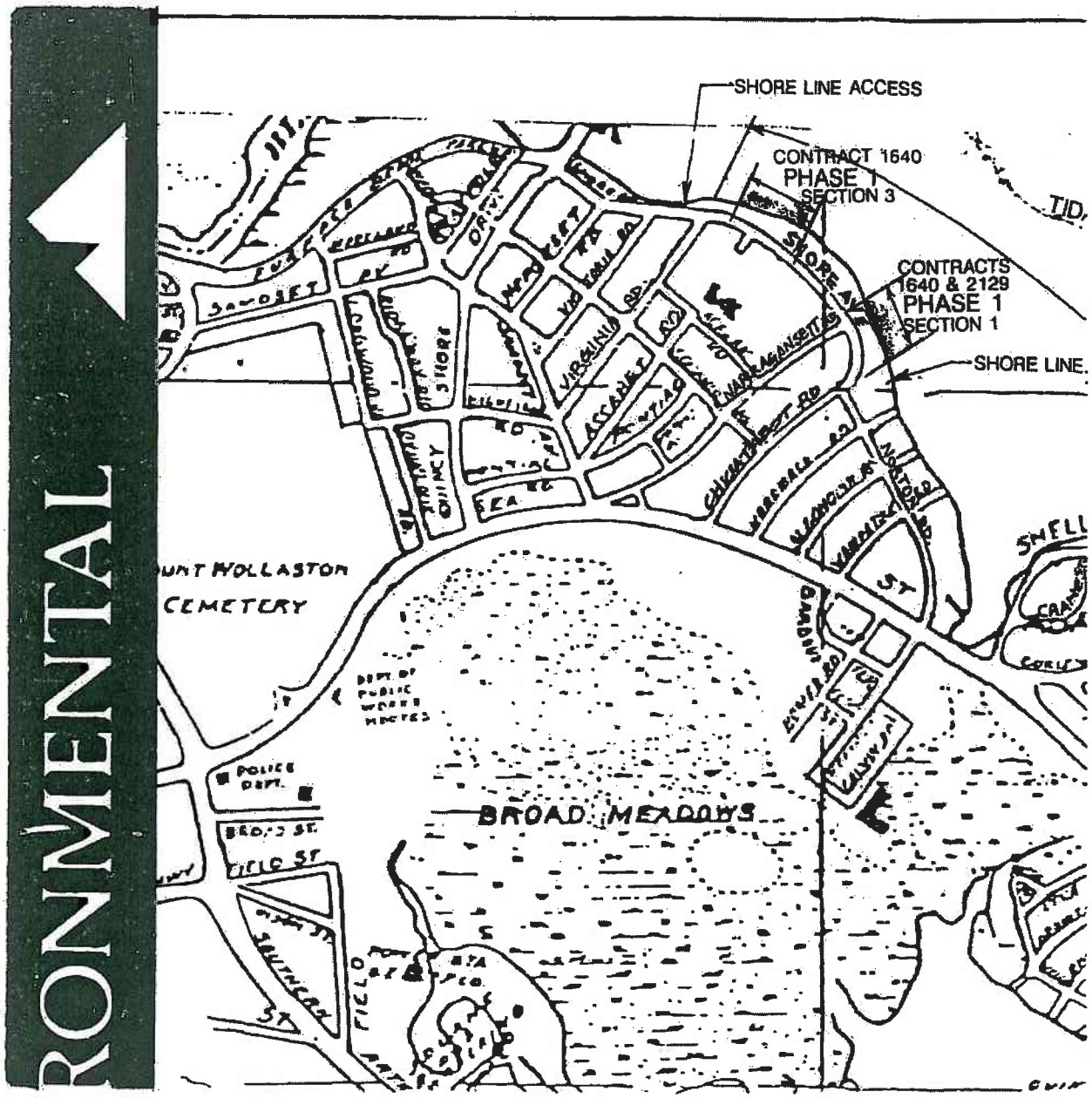
GREEN ENVIRONMENTAL

Green Environmental, Inc. 216 Ricciuti Dr. Quincy, MA
Telephone (617)-479-0550
Hazardous Waste Management – Consulting and Contracting Services

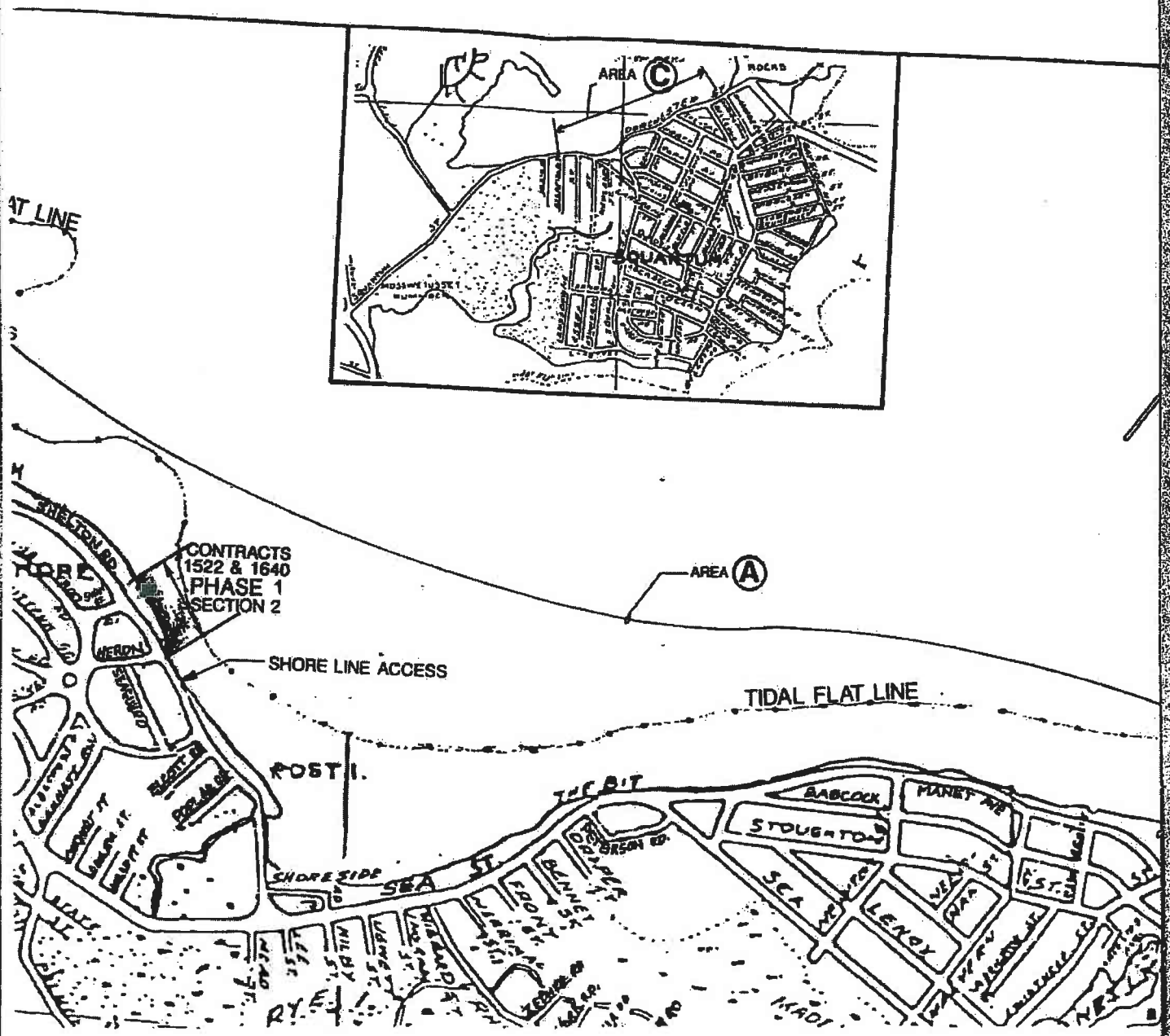
APPROVED BY: J.A.O'D.	SHEET 2 OF 2
DRAWN BY: H.M.C.	PROJECT NO.: 1139

059-1078B-014-019-100

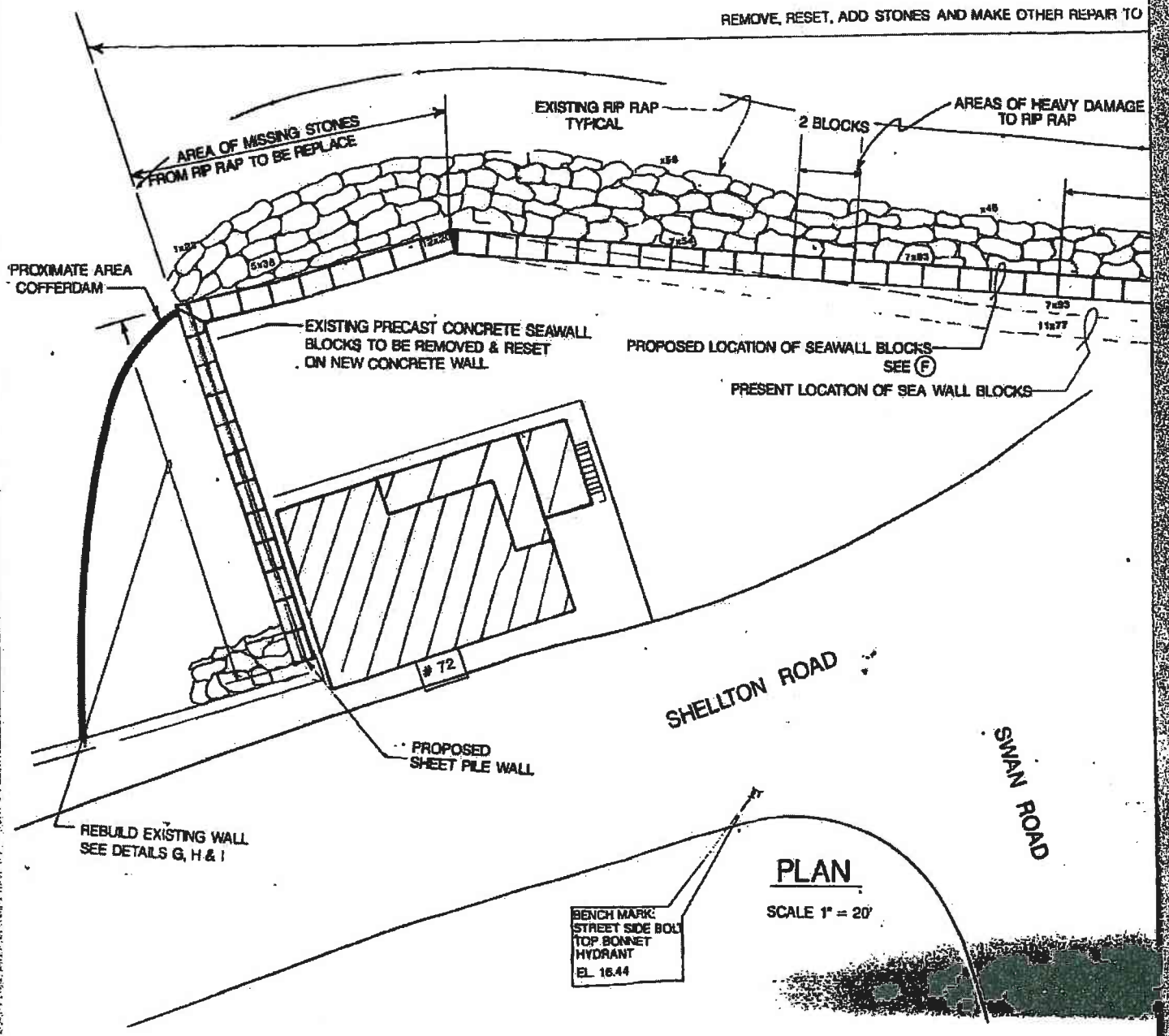
RONMENTAL



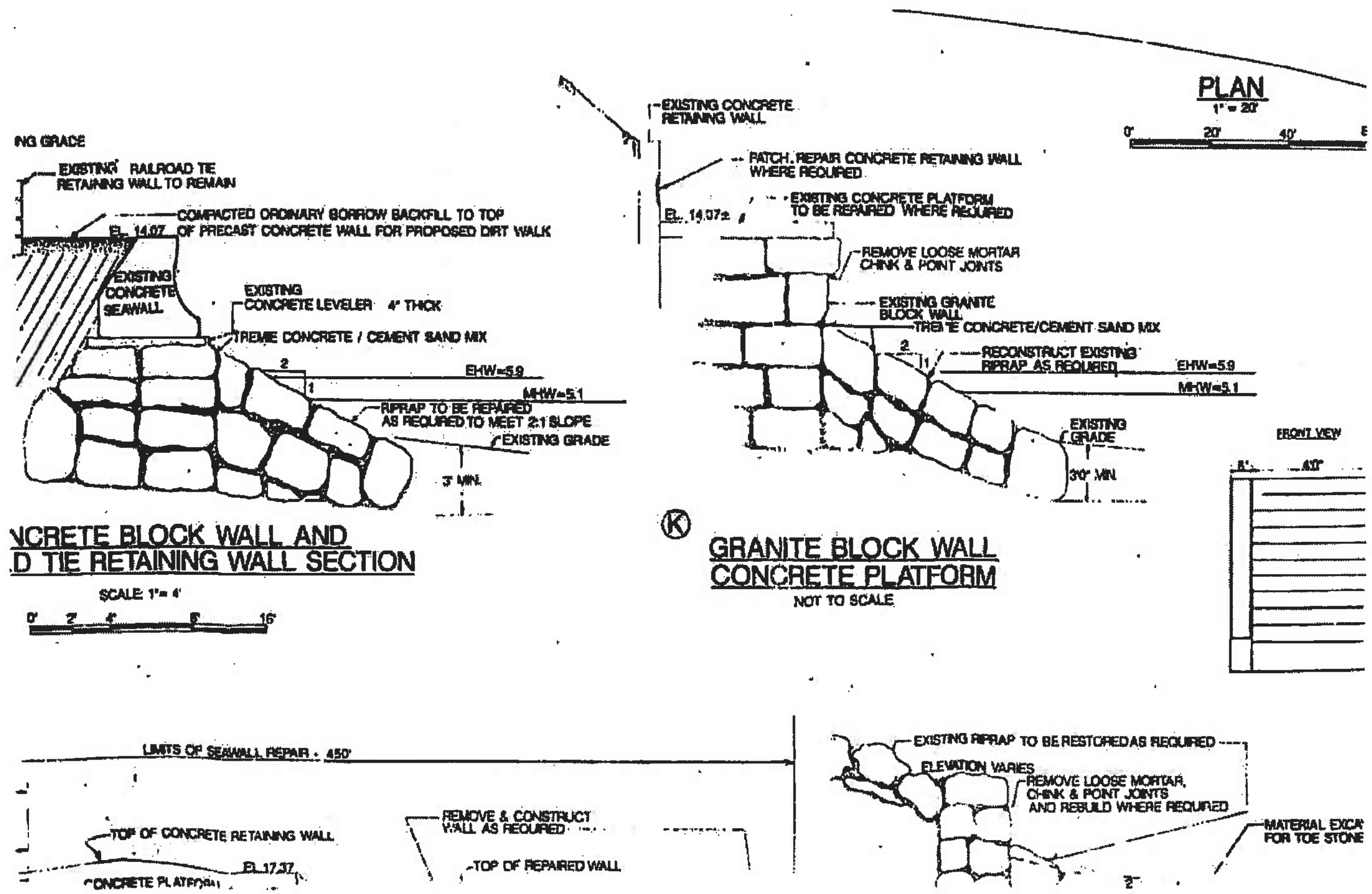
059-10788-014-019-100



059-1078B-014-019-100



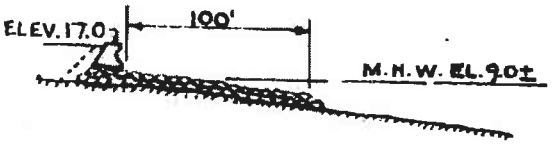
059-1078B-014-019-100



059-1078B-014-019-100

0 1547

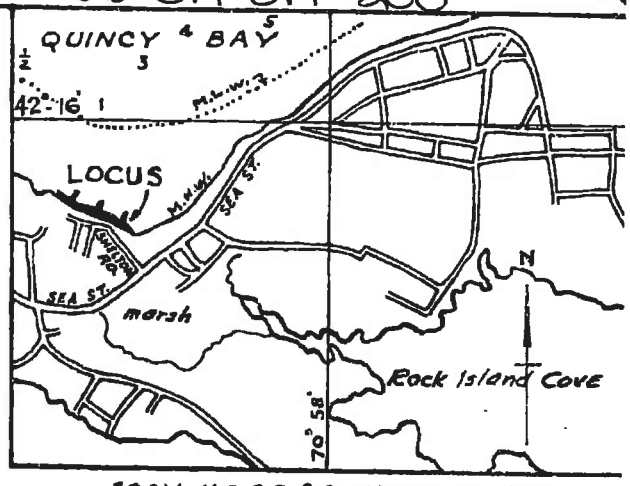
059-1078B-014-019-100
059-1078B-014-019-200



ELEVATION OF GROIN

HOR. 0 20 40 60 80 100

VERT. 0 10 20 30 40

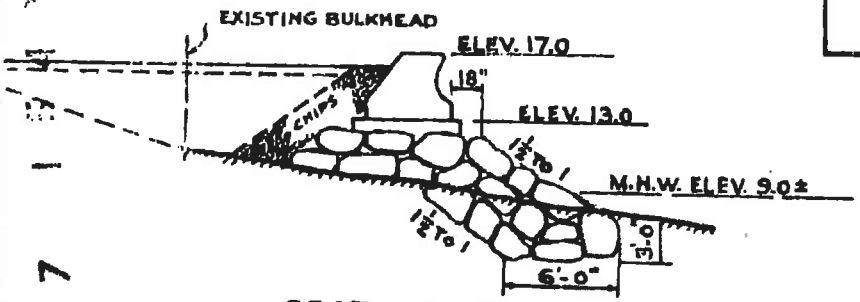


FROM U.S.C.& G.S. CHART NO. 246

LOCATION PLAN

0 1000 2000

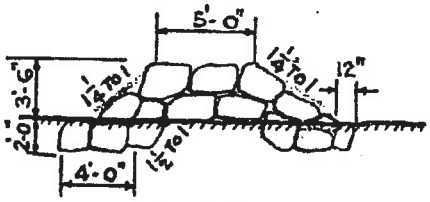
SCALE 1:25,000



SECTION THRU WALL

0 2 4 6 8 10

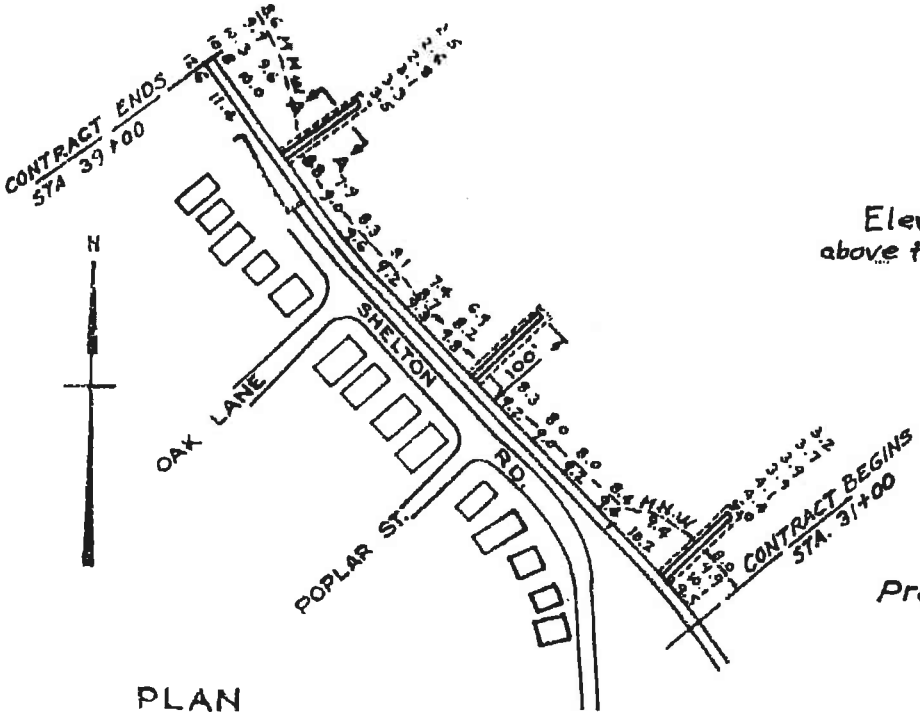
SCALE 1"=10'



SECTION A-A

0 2 4 6 8 10

SCALE 1"=10'



PLAN

0 100 200 300 400

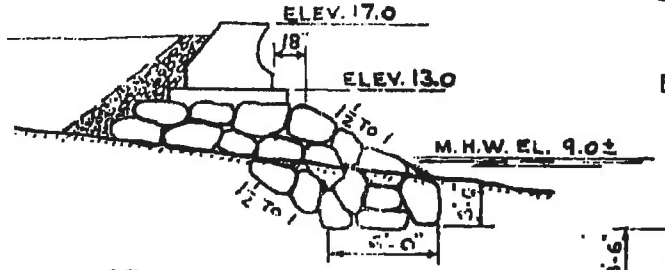
SCALE 1"=200'

Elevations are in feet and tenths above the plane of Mean Low Water

Proposed Sea Wall and Groins
in Quincy Bay
at Houghs Neck, Quincy
County of Norfolk, Mass.
Application by Port of Boston Authority
December 1959

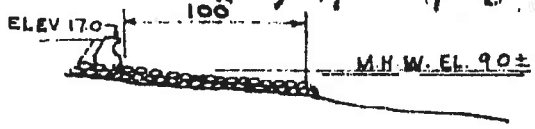
097

0 9 1 1 5 3 8



SECTION THRU WALL

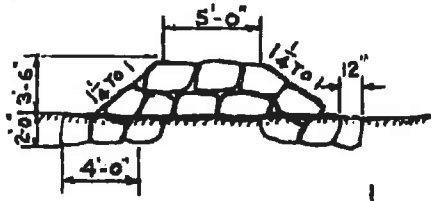
SCALE 1" = 10'



ELEVATION OF GROIN

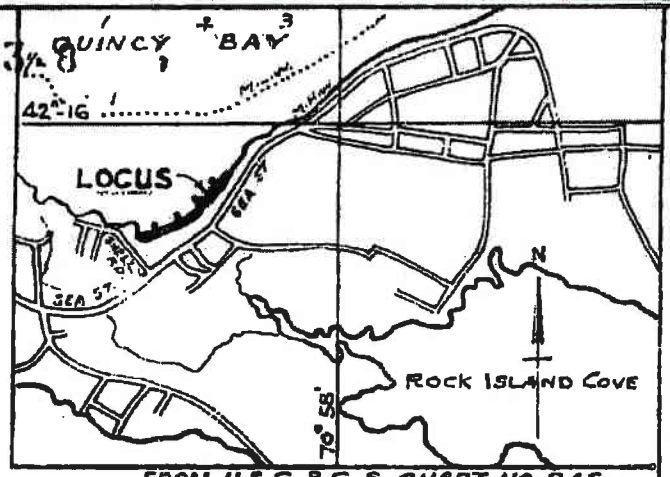
HOR. 0 10 20 30 60 100

VERT 0 10 20 30 40



SECTION A-A

SCALE 1" = 10'

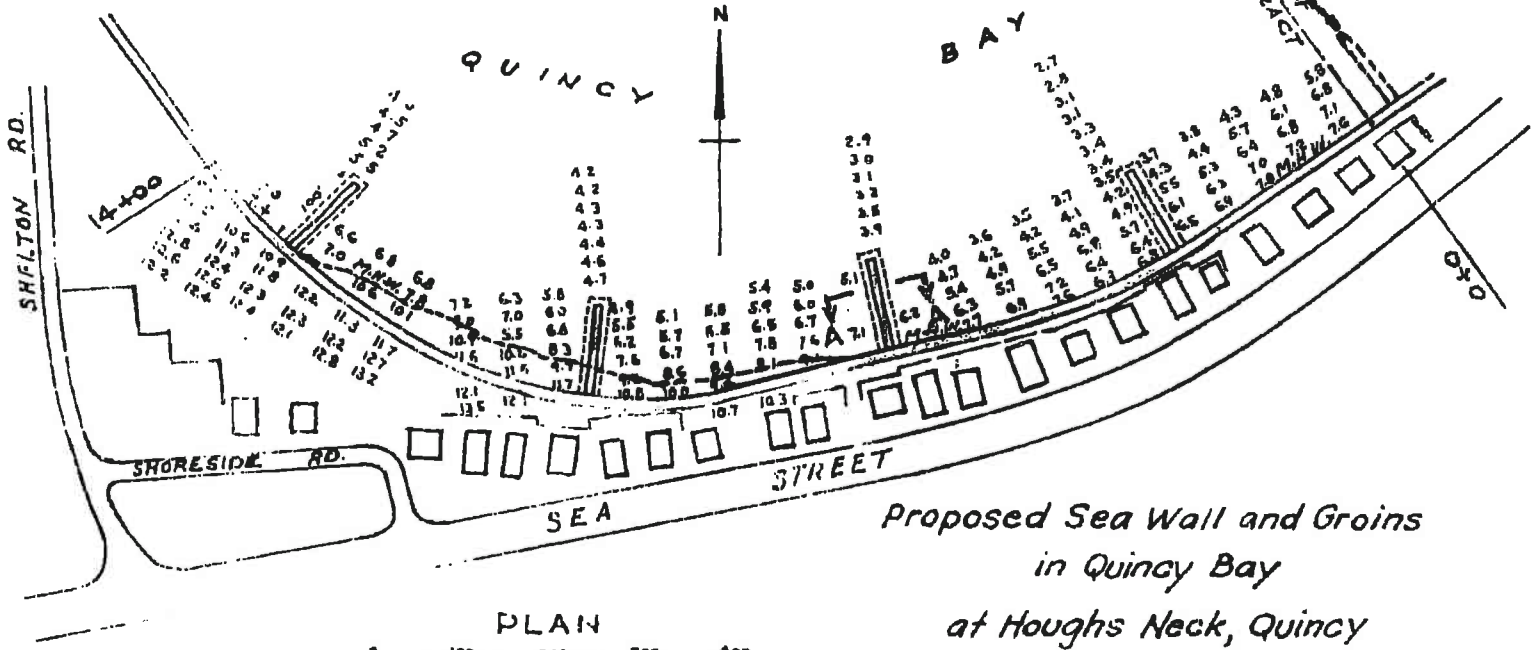


FROM U.S.C. & G.S. CHART NO. 246

LOCATION PLAN

SCALE 1:25000

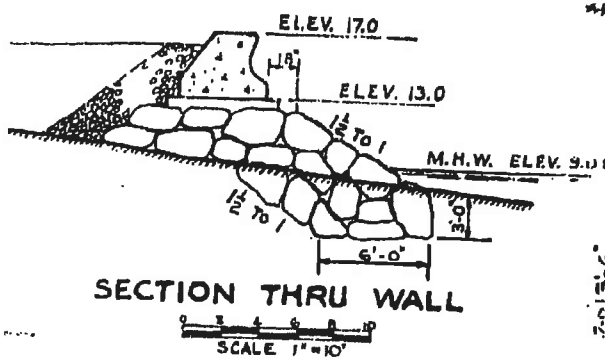
Elevations are in feet and tenths above the plane of Mean Low Water.



PLAN

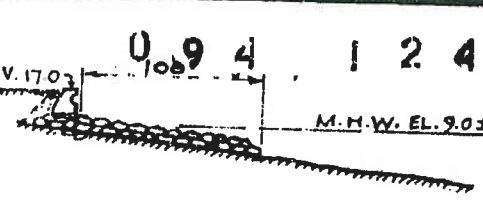
SCALE 1" = 200'

Proposed Sea Wall and Groins
in Quincy Bay
at Houghs Neck, Quincy
County of Norfolk, Mass.
Application by Port of Boston Authority
November 1952



SECTION THRU WALL

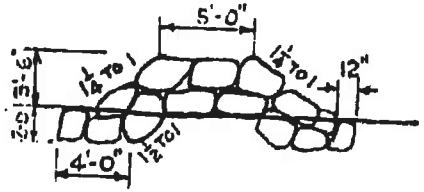
SCALE 1" = 10'



ELEVATION OF GROIN

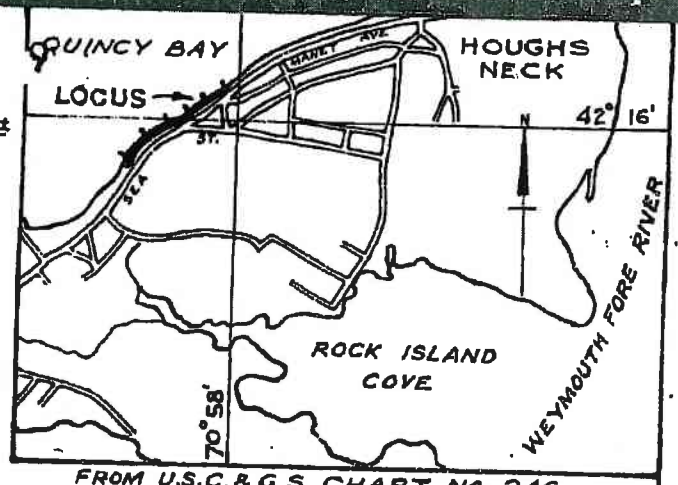
HOR. 0 10 20 30 40 FT.

VERT 0 10 20 30 40 FT.



SECTION A-A

SCALE 1" = 10'

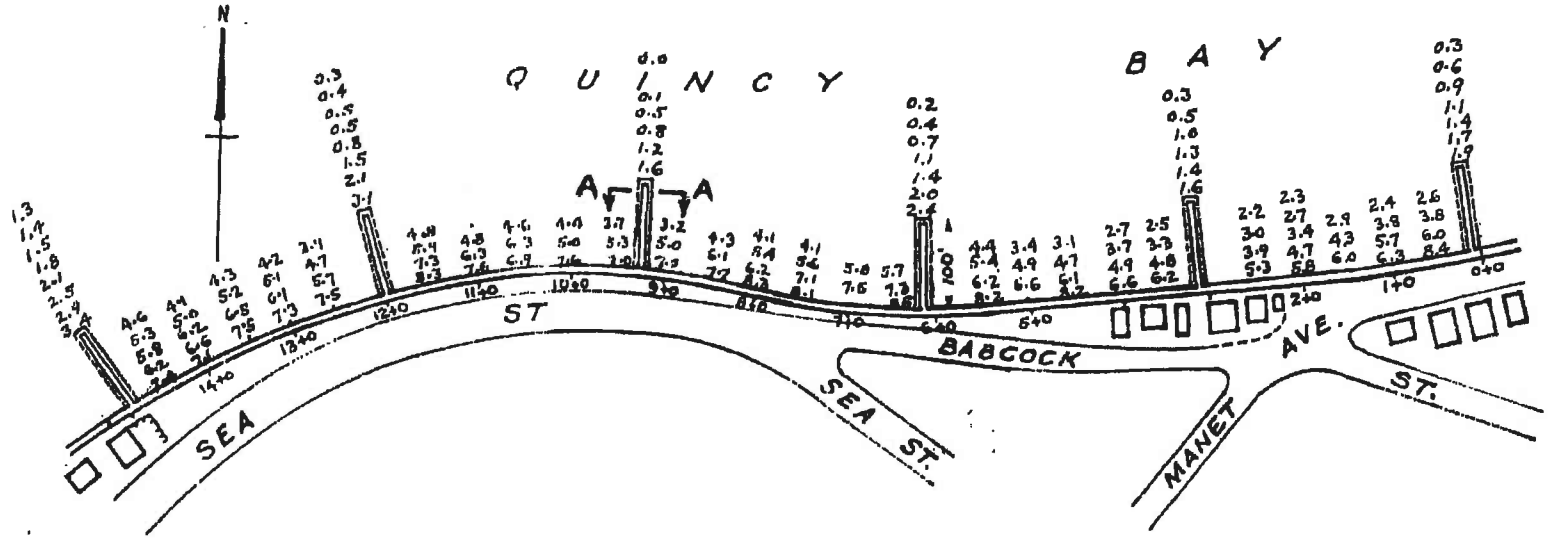


FROM U.S.C.&G.S. CHART NO. 246

LOCATION PLAN

0 500 1000 1500 2000 FT.

SCALE 1 : 25,000



PLAN

0 100 200 300 400

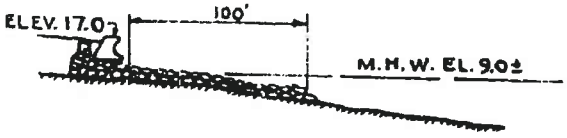
SCALE 1" = 200'

Soundings are in feet and tenths and refer to Mean Low Water.

Proposed Sea Wall and Groins
in Quincy Bay
at Houghs Neck, Quincy
County of Norfolk, Mass.
Application by Port of Boston Authority
October 3, 1952

0 9 2 0 0 9 5 6

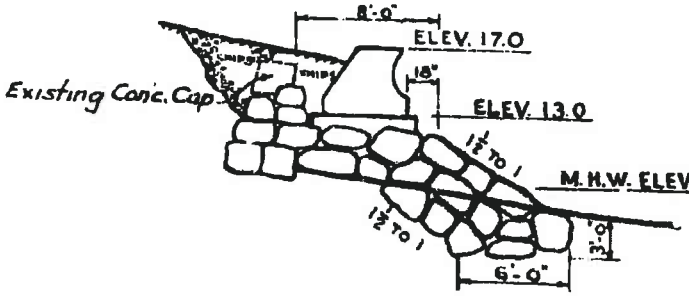
059-1078B-014-019-100
059-1078B-014-019-200



ELEVATION OF GROIN

HOR. 0 20 40 60 80 100

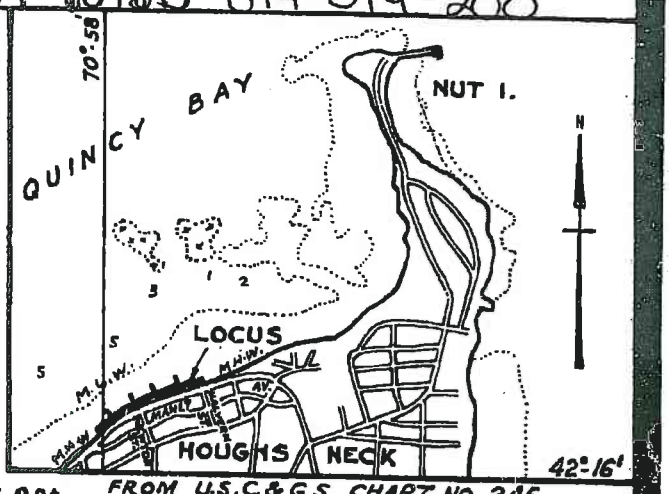
VERT. 0 10 20 30 40



SECTION THRU WALL

0 2 4 6 8 10

SCALE 1"=10'

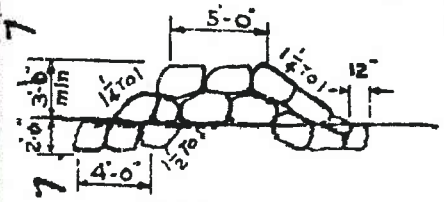


FROM U.S.C.&G.S. CHART NO. 246

LOCATION PLAN

0 1000 2000

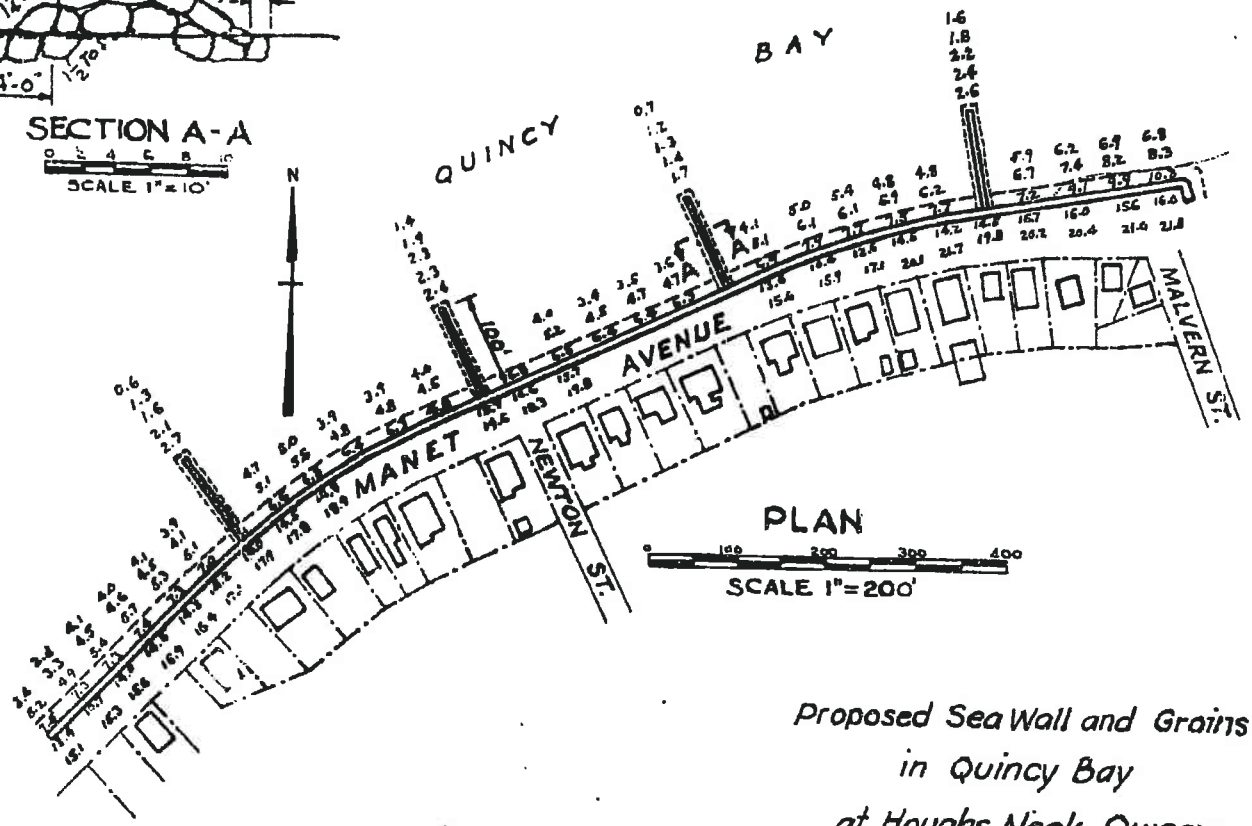
SCALE 1:25,000



SECTION A-A

0 2 4 6 8 10

SCALE 1"=10'



PLAN

0 100 200 300 400

SCALE 1"=200'

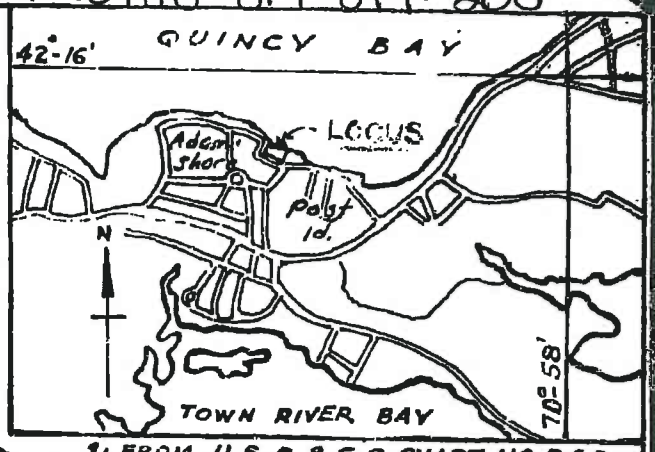
Soundings are in feet and tenths and refer to Mean Low Water.

Proposed Sea Wall and Grains
in Quincy Bay
at Houghs Neck, Quincy
County of Norfolk, Mass.
Application by Port of Boston Authority
January 1953

0 9 3 1 0 8 0

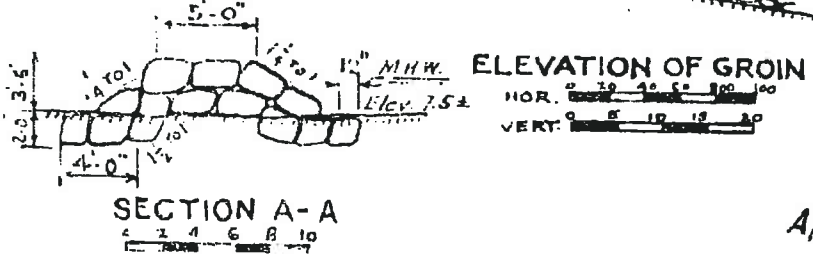
059-1078B-014-019-100
059-1078B-014-019-200

Elevations are in feet and tenths and refer to Mean Low Water.



FROM U.S. C. & G.S. CHART NO. 246

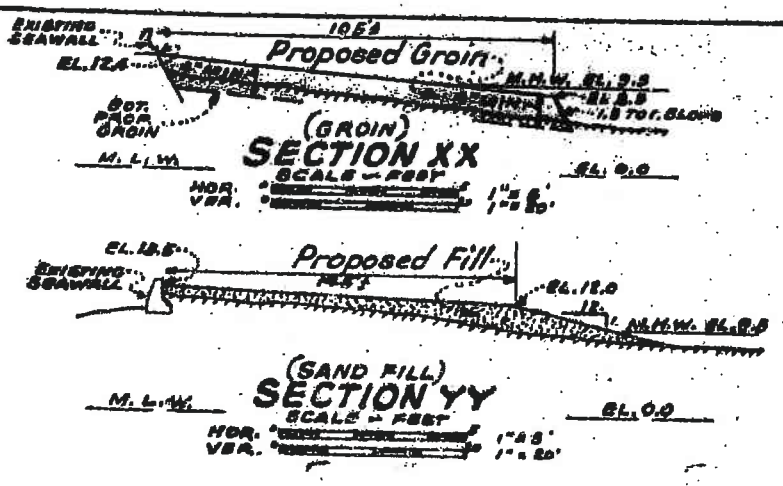
LOCATION PLAN
0 500 1000 1500 2000 2500
SCALE 1: 25000

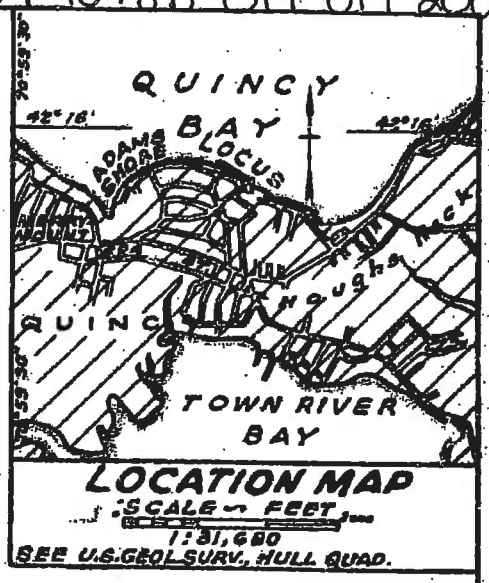


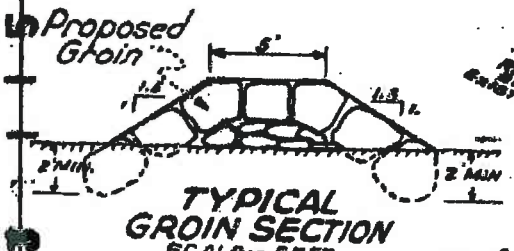
Proposed Groin
in Quincy Bay
at Heron Road, Ext., Quincy
County of Norfolk, Mass.
Application by Port of Boston Commission
November 1952

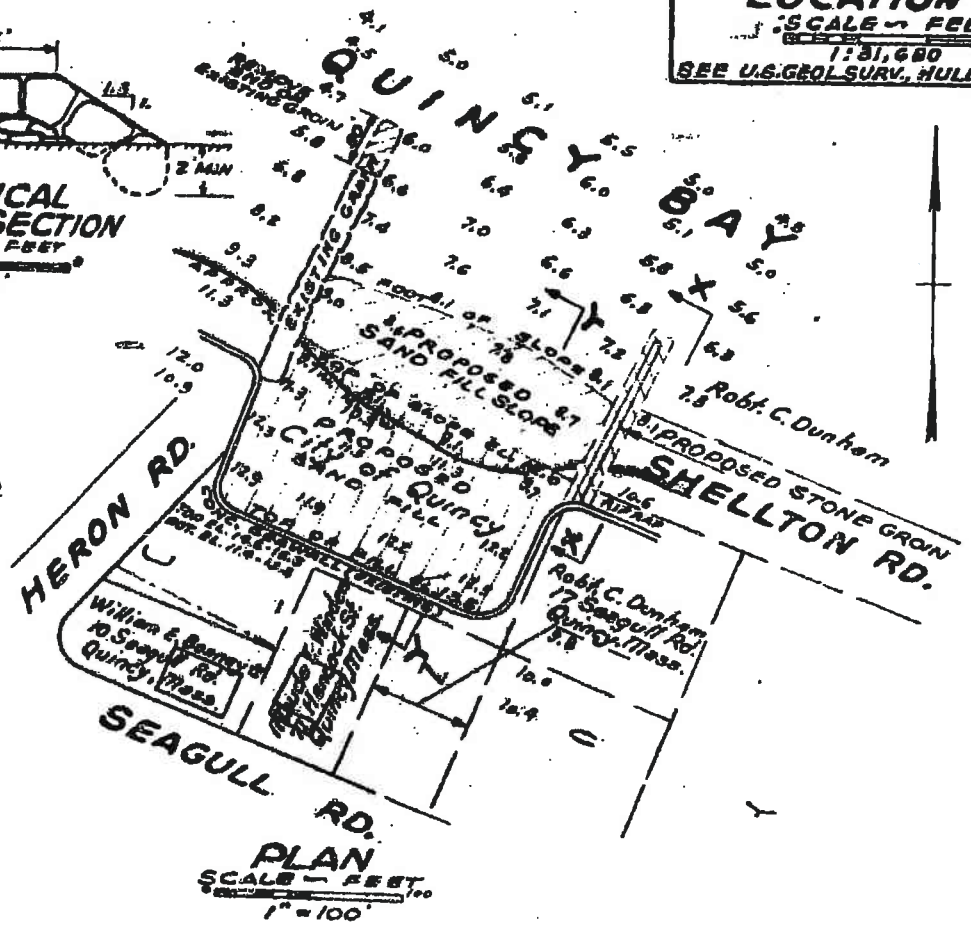
0 8 5 0 4 3 1

059-10788-014-019-20D









NOTE

ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO PLANE OF MEAN LOW WATER.
APPROX. EXISTING GROUND THUS: ~~~~~
LOCATION OF PROPOSED WORK SHOWN IN RED.

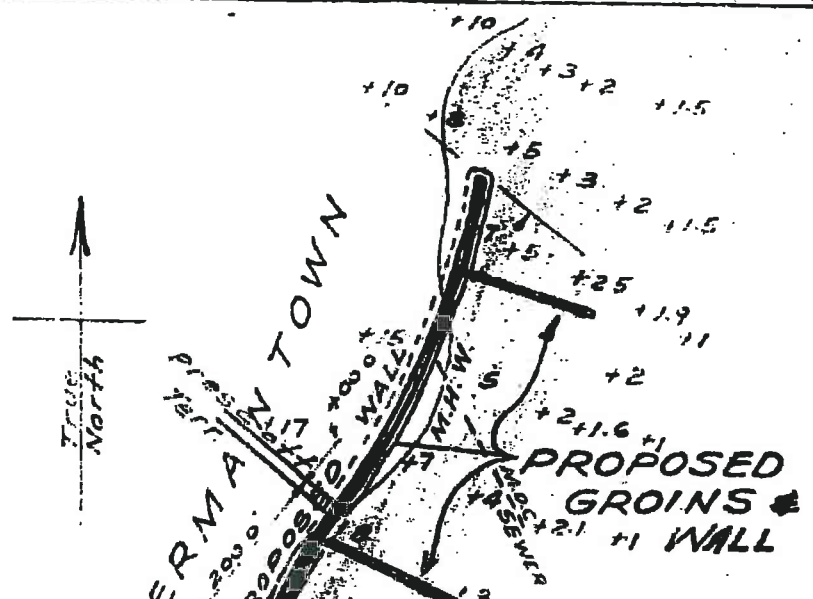
PROPOSED GROIN AND SAND FILL
ADAMS SHORE — VICINITY OF HERON RD.
QUINCY BAY
QUINCY — MASS.
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
APRIL — 1958

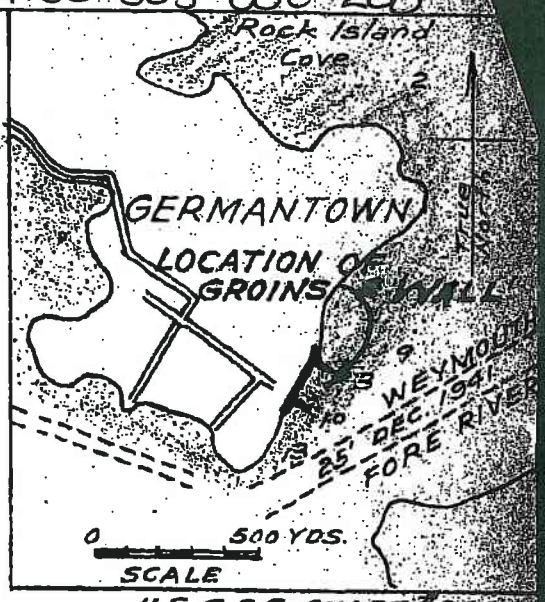
Robert B. MacKinnon
CHIEF WATERWAYS ENGINEER

100 970

059-1100-003-00C-100
059-1100-003-00C-200

093 1059

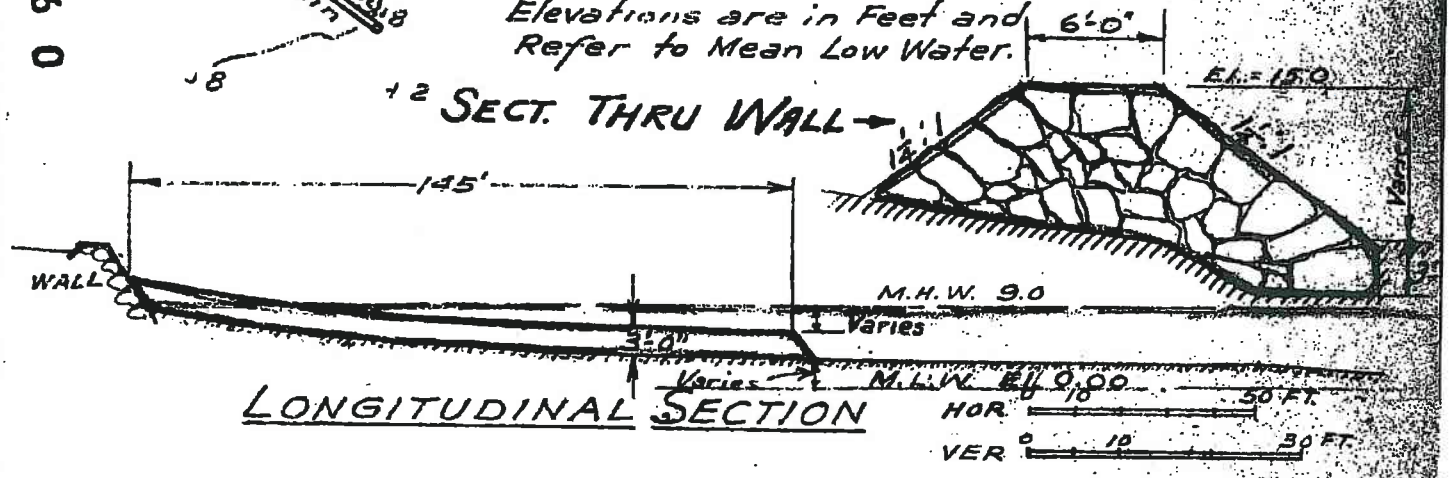




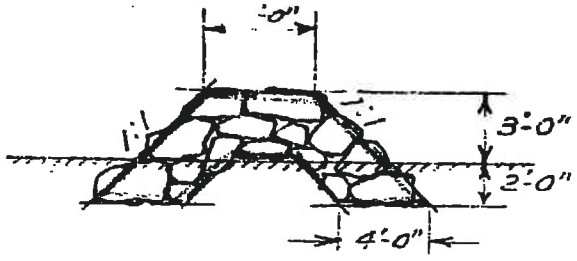
PLAN

0 100 500 FT
SCALE.

Elevations are in Feet and Refer to Mean Low Water.



LONGITUDINAL SECTION



SECTION THRU GROIN

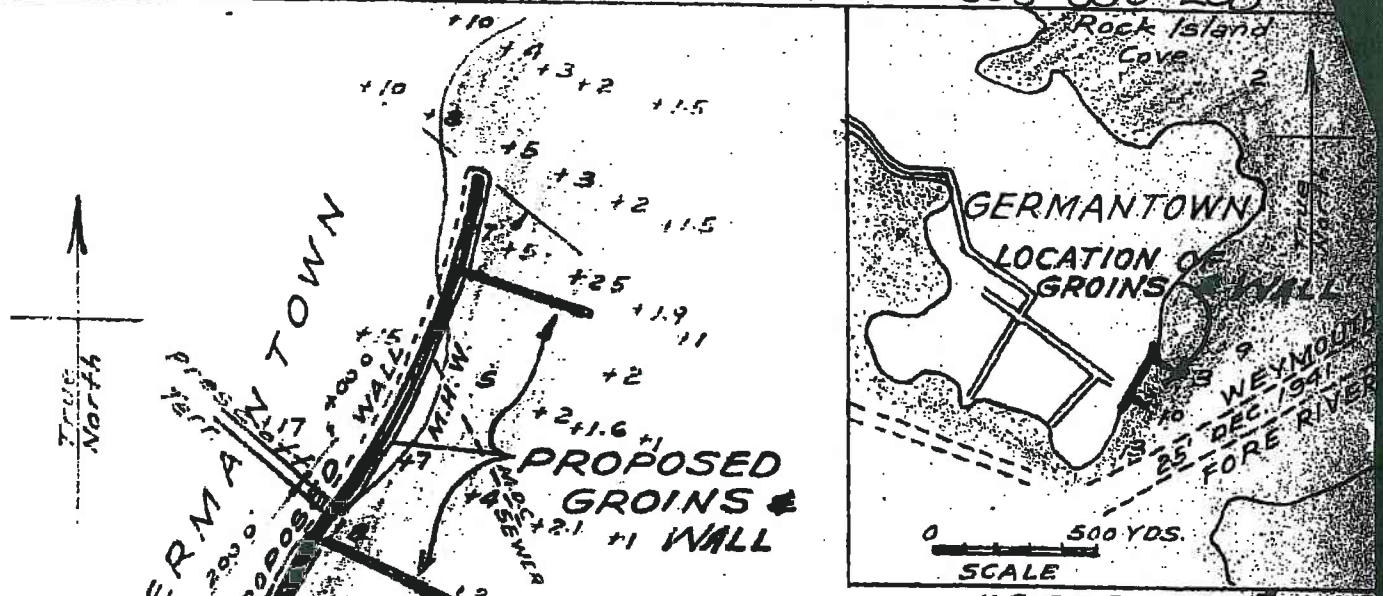
Proposed Groins & Wall at Weymouth Fore River Germantown Quincy, Mass.

Application by
PORT OF BOSTON AUTHORITY

100 970

059-1100-003-00C-100
059-1100-003-00C-200

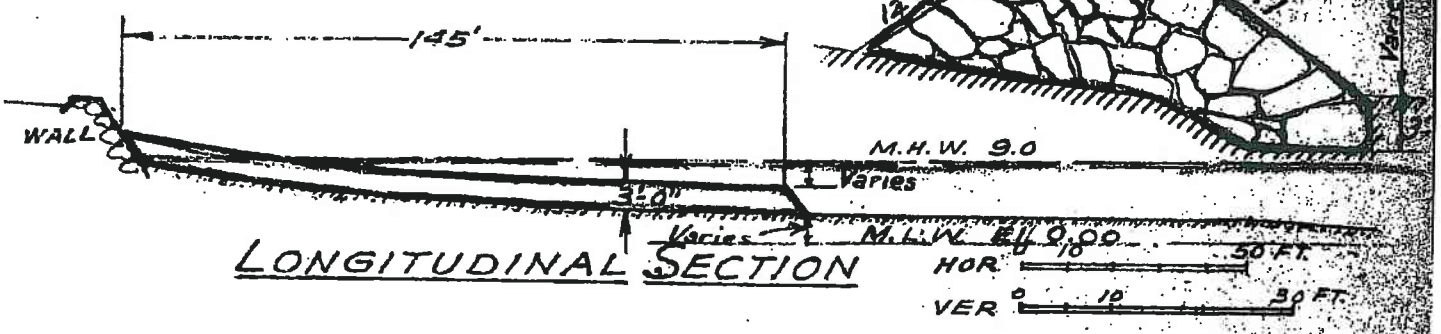
0931159



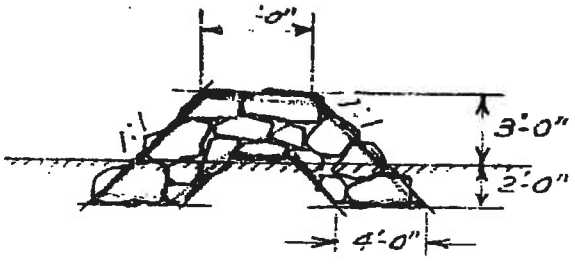
PLAN

0 100 500 FT
SCALE.

Elevations are in Feet and Refer to Mean Low Water.



LONGITUDINAL SECTION



SECTION THRU GROIN

Proposed Groins & Wall
at Weymouth Fore River
Germantown
Quincy, Mass.

Application by
PORT OF BOSTON AUTHORITY

Section III

Milton

Section III – Community Findings – Town of Milton

COMMUNITY DESCRIPTION

The Town of Milton consists of a land area of 13.0 square miles out of a total area of 13.3 square miles and had a population of 26,062 in the 2000 census. The Town is located in Boston Harbor of Massachusetts and its location can be seen on this report's cover. Milton does not have any coastline that is directly exposed to open ocean. According to the Milton Engineering Department, none of the structures along the Town's coast are publicly owned and/or maintained.

SUMMARY

Though there were no publicly owned structures at the time of investigation, the project database can be updated as needed for future construction. The Town of Milton's coastal structure information 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.

Section III - Milton

Part B

Structure Assessment Reports

No Publicly Owned/Maintained Structures in the Town of Milton

Section III - Milton

Part C

Structure Photographs

No Publicly Owned/Maintained Structures in the Town of Milton

Section III - Milton

Part D

Structure Documents

No Publicly Owned/Maintained Structures in the Town of Milton

Section IV

Braintree

Section IV – Community Findings – Town of Braintree

COMMUNITY DESCRIPTION

The Town of Braintree consists of a land area of 13.89 square miles out of a total area of 14.52 square miles and had a population of 33,828 in the 2000 census. The Town is located in Boston Harbor of Massachusetts and its location can be seen on this report's cover. The estimated length of shoreline is 1 mile that is directly exposed to open ocean. 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. Braintree is also protected by the town of Weymouth from ocean waves. 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 Braintree, there were 10 structures which had public ownership which provide significant coastal protection. The location of the structures can be seen in Sheets 1 through Sheet 2 in Section IV-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 Braintree

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Length
Bulkhead / Seawall	6		5	1			1405
Revetment	1				1		300
Breakwater							
Groin / Jetty	2		2				165
Coastal Dune							
Coastal Beach	1			1			560
	10		7	2	1		2430

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 Braintree's case there are a total of 10 structures which would require approximately $ 387,000 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 $ 200,000 thousand would be required to upgrade the Town's coastal protection.

STRUCTURE REPAIR / RECONSTRUCTION COST - Town of Braintree

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Cost
Bulkhead / Seawall	6		$138,745	$12,751			$ 151,496
Revetment	1				$199,188		$ 199,188
Breakwater							$ -
Groin / Jetty	2		$21,780				$ 21,780
Coastal Dune							$ -
Coastal Beach	1		$14,784				$ 14,784
	10	$	175,309	$ 12,751	$ 199,188	$ -	$ 387,248

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 Braintree the breakdown of structures by assumed ownership is as follows:

STRUCTURE OWNERSHIP / REPAIR COST - Town of Braintree

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Cost
Town Owned	10		$175,309	$12,751	$199,188		$ 387,248
Commonwealth of Massachusetts							$ -
Federal Government Owned							$ -
Unknown Ownership							$ -
	10	$	175,309	$ 12,751	$ 199,188	$ -	$ 387,248

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 IV-B which contains Structure Assessment Reports for each individual structure found.

SUMMARY

The enclosed reports and associated documents reflects the Town of Braintree'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 IV - Braintree

Part B

Structure Assessment Reports

COASTAL STRUCTURE LOCATION PLAN

TOWN OF BRAINTREE
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
OCTOBER 2007

0 150
SCALE: 1" = 150'

BCE Bourne Consulting Engineering
194 West Central Street
Franklin, MA 02038
TEL. (508) 528-3139 FAX. (508) 528-3921

SHEET 1

File: X:\27652-\27667\Boston Harbor\Braintree\dwg\Braintree_102907.dwg

COASTAL STRUCTURE LOCATION PLAN

TOWN OF BRAINTREE
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
OCTOBER 2007

0 150
SCALE: 1" = 150'

BCE Bourne Consulting Engineering
194 West Central Street
Franklin, MA 02038
TEL. (508) 528-4133 FAX. (508) 528-3921

SHEET 2

File: X:\27652-\27667\Boston Harbor\Braintree\dwg\Braintree_102907.dwg

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3001-000-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Braintree Yacht Club	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree		$17,860.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
330 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Steel	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The seawall consists of steel H-Pile soldier piles spaced approximately every 6 feet with concrete panels spanning in between. There is also a double channel wale across the face of the wall with tie rods approximately every 6 feet. The concrete is in good condition with a typical weathered appearance and the exposed portions of the steel wale appear to be in good condition, but are uncoated.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	IV High Priority
Action	Consider for Next Project Construction Listing
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 Images:

008-3001-000-001-100-PHO1A.JPG

008-3001-000-001-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3001-000-001-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Braintree Yacht Club	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree	Unkown	$7,181.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
85 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

A poured concrete retaining wall along the edge of a boat ramp. The wall has a fence fixed along the top with a floating dock in front of it. The concrete is in good condition with only minor abrasions.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3001-000-001-200-PHO2A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3001-000-001-300

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Braintree Yacht Club	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree		$25,344.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
300 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

A low level, dry set stone wall with stone sizes varying from small cobbles to 3 feet diameter stones. The wall is situated along the edge of the water and has wetland areas outshore and supports a parking lot to the rear. The wall is in good condition with most of the stones still in place and properly aligned.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3001-000-001-300-PHO3A.JPG

008-3001-000-001-300-PHO3B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3001-000-001-400

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Quincy Ave Bridge Next to Braintree Yacht Club	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree	Unkown	$43,586.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
130 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Bulkhead/ Seawall	Concrete	10 to 15 Feet

Structure Summary :

A mortared seawall that ties into a bridge abutment and consists of a granite block foundation with an average block size of 2 feet by 3 feet. A poured concrete wall is located on top of the granite block foundation. The granite block foundation is in good condition but the concrete wall on top is showing signs of deterioration with evidence of spalling and cracking.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3001-000-001-400-PHO4A.JPG

008-3001-000-001-400-PHO4B.JPG

008-3001-000-001-400-PHO4C.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3001-000-01B-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Watson Park	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree		$44,774.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
530 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

A granite block seawall with mortar between the blocks. The average size of the blocks is approximately 1 foot by 2 feet. The wall is capped with a 4 inch thick concrete cap. All of the structure looks in good condition including stone, mortar, and cap.

Condition Rating	B Good	*Priority Rating*	II Low Priority
Level of Action	Minor	*Action*	Future Project Consideration
Description	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.	*Description*	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

008-3001-000-01B-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3001-000-01B-200

Key: community-map-block-parcel-structure

Property Owner: Local

Location: Watson Park

Date: 6/28/2007

Presumed Structure Owner: Local

Based On Comment:

Owner Name: Braintree

Earliest Structure Record:

Estimated Reconstruction/Repair Cost: $12,751.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
30 Feet	Feet NAVD 88	AE	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

An outfall headwall constructed from 6 inch by 3 feet granite blocks for an 18 inch diameter galvanized corrugated pipe. Movement of the headwall stone is evident with the blocks at the base shifted outshore. The exposed end of the corrugated pipe is bent.

Condition Rating	C
Level of Action	Fair
Description	Moderate
	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	II
Action	Low Priority
Description	Future Project Consideration
	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images: 008-3001-000-01B-200-PHO2A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3038-000-049-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Lieutenant G. Murray Smith Beach	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree, Parks and Recreation		$7,920.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
60 Feet	Feet NAVD 88	AE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

A stone jetty constructed of placed armor stone with an average stone size of 3 feet by 3 feet. The revetment is located at the south end of the beach. It appears to be in good condition with none of the armor stone missing or displaced.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3038-000-049-100-PHO1A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3038-000-049-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Lieutenant G. Murray Smith Beach	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree, Parks and Recreation	1978	$14,784.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
560 Feet	Feet NAVD 88	AE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Coastal Beach	Sand	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Shallow sloped, fine grained sand beach. Large boulders placed in some areas at head of beach.

Condition Rating	B Good	*Priority Rating*	III Moderate Priority
Level of Action	Minor	*Action*	Consider for Active Project Improvement Listing
Description	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.	*Description*	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3038-000-049-200-PHO2A.JPG

Structure Documents:

USACE	21-Aug-78	Proposed Sanitary	008-3038-000-049-200-COE
MA-DCR	08/21/78	Proposed Sanitary	008-3038-000-049-200-DCR1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3038-000-049-300

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Lieutenant G. Murray Smith Beach	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree, Parks and Recreation		$13,860.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
105 Feet	Feet NAVD 88	AE	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

A stone jetty constructed of placed armor stone with an average stone size of 3 feet by 3 feet. The revetment is located at the north end of the beach. It appears to be in good condition with none of the armor stone missing or displaced.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3038-000-049-300-PHO3A.JPG

008-3038-000-049-300-PHO3B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Braintree

Structure ID: 008-3040-000-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Harbor Villa Ave	6/28/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Braintree, Electric Light Dept	Unkown	$199,188.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
300 Feet	Feet NAVD 88	AE	13 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The revetment consist of very loosely dumped 1 to 3 foot diameter stones on top of an existing gravelly beach. The stone appears to provide little protection due to the loose placement.

Condition Rating	D
	Poor
Level of Action	Major
Description	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. 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.

Priority Rating	III
	Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

008-3040-000-001-100-PHO1A.JPG

008-3040-000-001-100-PHO1B.JPG

008-3040-000-001-100-PHO1C.JPG

008-3040-000-001-100-PHO1D.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

Section IV - Braintree

Part C

Structure Photographs

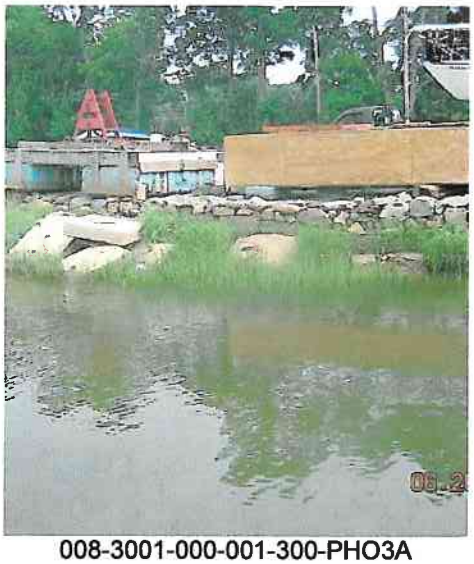
TOWN: BRAINTREE
SOURCE: BCE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: OCTOBER 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
008-3001-000-001-100	008-3001-000-001-100-PHO1A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-100	008-3001-000-001-100-PHO1B.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-200	008-3001-000-001-200-PHO2A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-300	008-3001-000-001-300-PHO3A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-300	008-3001-000-001-300-PHO3B.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-400	008-3001-000-001-400-PHO4A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-400	008-3001-000-001-400-PHO4B.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-001-400	008-3001-000-001-400-PHO4C.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-01B-100	008-3001-000-01B-100-PHO1A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3001-000-01B-200	008-3001-000-01B-200-PHO2A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3038-000-049-100	008-3038-000-049-100-PHO1A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3038-000-049-200	008-3038-000-049-200-PHO2A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3038-000-049-300	008-3038-000-049-300-PHO3A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3038-000-049-300	008-3038-000-049-300-PHO3B.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3040-000-001-100	008-3040-000-001-100-PHO1A.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3040-000-001-100	008-3040-000-001-100-PHO1B.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3040-000-001-100	008-3040-000-001-100-PHO1C.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
008-3040-000-001-100	008-3040-000-001-100-PHO1D.JPG		Bourne Consulting Engineering		June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey

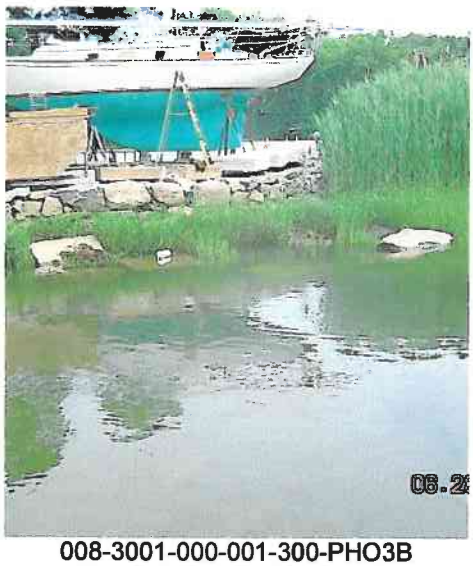
008-3001-000-001-100-PHO1A

008-3001-000-001-100-PHO1B

008-3001-000-001-200-PHO2A



008-3001-000-001-300-PHO3A



008-3001-000-001-300-PHO3B

008-3001-000-001-400-PHO4A

008-3001-000-001-400-PHO4B

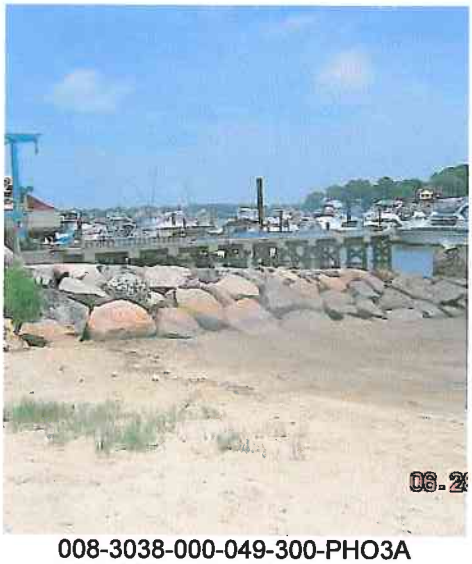
008-3001-000-001-400-PHO4C

008-3001-000-01B-100-PHO1A

008-3001-000-01B-200-PHO2A

008-3038-000-049-100-PHO1A

008-3038-000-049-200-PHO2A



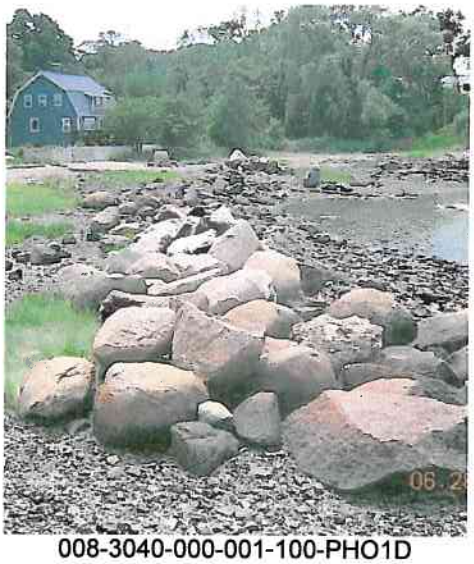
008-3038-000-049-300-PHO3A

008-3038-000-049-300-PHO3B

008-3040-000-001-100-PHO1A

008-3040-000-001-100-PHO1B

008-3040-000-001-100-PHO1C



008-3040-000-001-100-PHO1D

Section IV - Braintree

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

TOWN: BRAINTREE
SOURCE: Town of Braintree
LOCATION: TOWN
DATE OF RESEARCH: SEPTEMBER 2007

No Town Documents for the Town of Braintree

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description

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

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
008-3038-000-049-200	008-3038-000-049-200-DCR2A	2122	DCR-Hingham	Braintree	May-60	Proposed Shore Protection - Stone Groins and Sand Fill - Swifts Beach - Braintreet - Department of Public Works of MA - Div of WW	1	Vinedale Road	Groins and Sand Fill

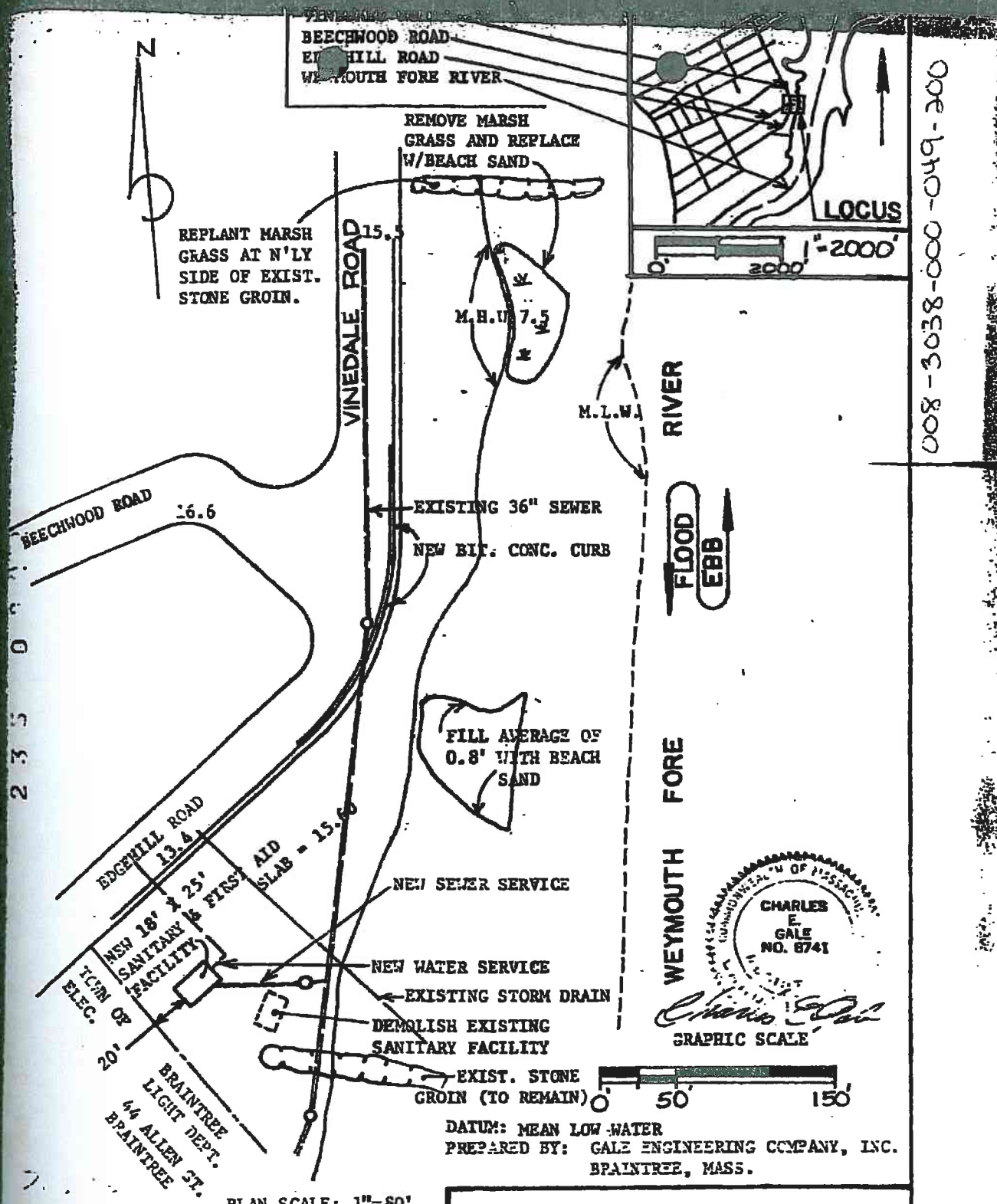
TOWN: BRAINTREE
SOURCE: DEP
LOCATION: BOSTON, MA
DATE OF RESEARCH: JULY 2007

No MA - DEP Ch. 91 Documents for the Town of Braintree

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description

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

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
008-3038-000-049-200	008-3038-000-049-200-COE2A	79-257	USACE	Braintree	21-Aug-78	Proposed Sanitary Facility and Beach Improvements - Murry G. Smith Beach, Braintree, MA	1	Murray G. Smith Beach	Existing Stone Groins



PLAN SCALE: 1"=80'

PROPOSED SANITARY FACILITY
AND BEACH IMPROVEMENTS
MURRY G. SMITH BEACH,
BRAINTREE, MASS.

APPLICATION BY TOWN OF BRAINTREE
PARK DEPARTMENT

AUG 21 1976

Section V

Weymouth

Section V – Community Findings – Town of Weymouth

COMMUNITY DESCRIPTION

The Town of Weymouth consists of a land area of 17.01 square miles out of a total area of 21.61 square miles and had a population of 53,988 in the 2000 census. The Town is located in Boston Harbor of Massachusetts and its location can be seen on this report's cover. The estimated length of shoreline is 4.75 miles that are directly exposed to open ocean. 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. Weymouth is also protected from ocean waves by the Hull peninsula. 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 Weymouth, there were 25 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 3 in Section V-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 Weymouth

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Length
Bulkhead / Seawall	13		7	4	2		9106
Revetment	6		5	1			3210
Breakwater							
Groin / Jetty	6		2	2	1	1	1340
Coastal Dune							
Coastal Beach							
	25		14	7	3	1	13656

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 Weymouth's case there are a total of 25 structures which would require approximately $ 10 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 $ 6.5 million would be required to upgrade the Town's coastal protection.

STRUCTURE REPAIR / RECONSTRUCTION COST - Town of Weymouth

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Cost
Bulkhead / Seawall	13	$ 642,873	$ 2,191,966	$ 6,407,498			$ 9,242,337
Revetment	6	$ 607,153	$ 19,958				$ 627,111
Breakwater							$ -
Groin / Jetty	6	$ 133,980	$ 259,340	$ 53,117		$58,397	$ 504,834
Coastal Dune							$ -
Coastal Beach							$ -
	25	$ 1,384,006	$ 2,471,264	$ 6,460,615		$ 58,397	$ 10,374,282

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 Weymouth the breakdown of structures by assumed ownership is as follows:

STRUCTURE OWNERSHIP / REPAIR COST - Town of Weymouth

Primary Structure (1)	Total Structures	Structure Condition Rating A	B	C	D	F	Total Cost
Town Owned	23	$ 1,190,124	$ 2,471,264	$ 6,460,615		$ 58,397	$ 10,180,400
Commonwealth of Massachusetts	1	$ 13,306					$ 13,306
Federal Government Owned							$ -
Unknown Ownership	1	$ 180,576					$ 180,576
	25	$ 1,384,006	$ 2,471,264	$ 6,460,615		$ 58,397	$ 10,374,282

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 IV-B which contains Structure Assessment Reports for each individual structure found.

SUMMARY

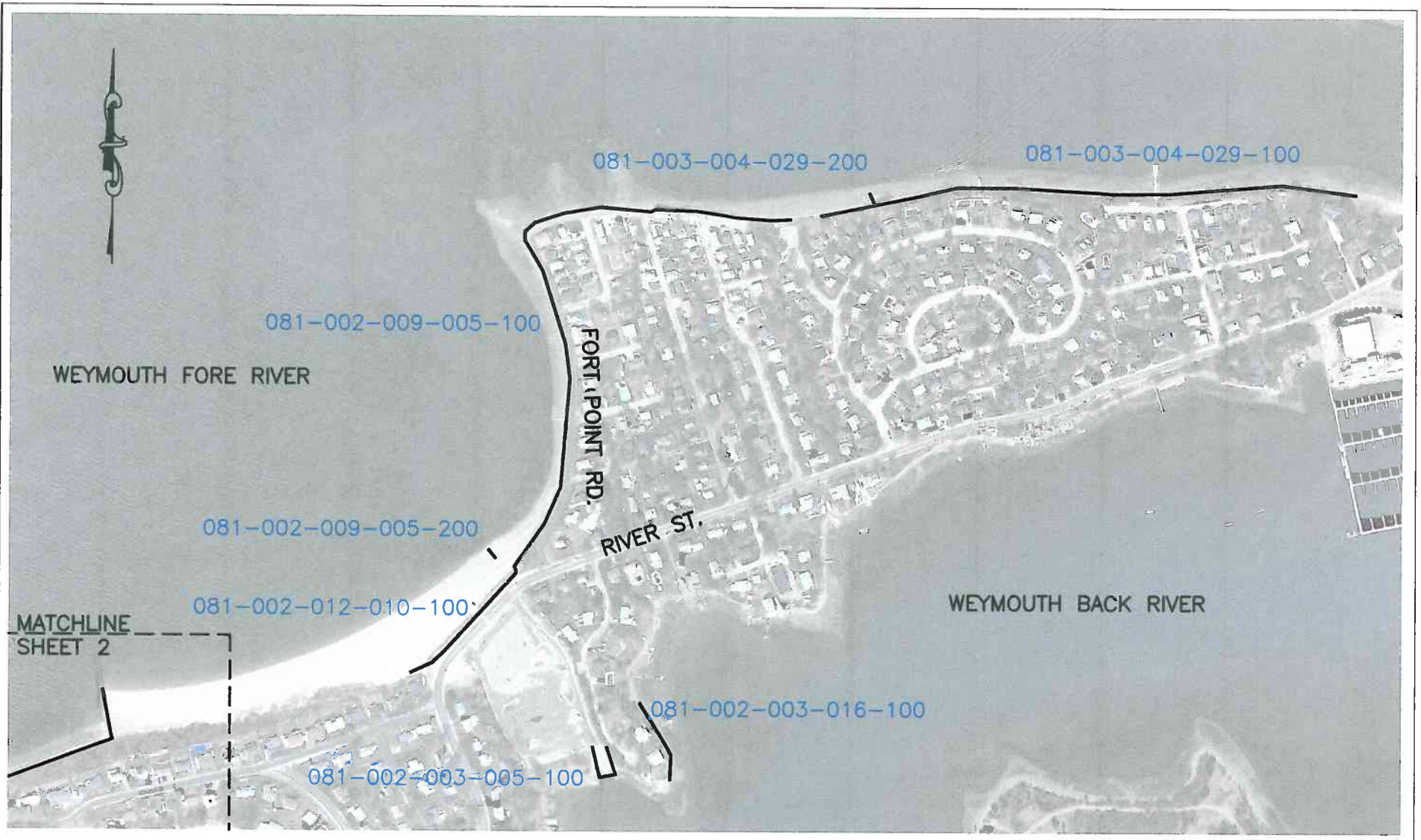
The enclosed reports and associated documents reflects the Town of Weymouth's coastal structure information that will eventually be input into a state-wide GIS database and will be accessible through MassGIS. This data, when compiled state-wide, will be critical in the development of both short term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

Part B

Structure Assessment Reports



COASTAL STRUCTURE LOCATION PLAN

TOWN OF WEYMOUTH
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

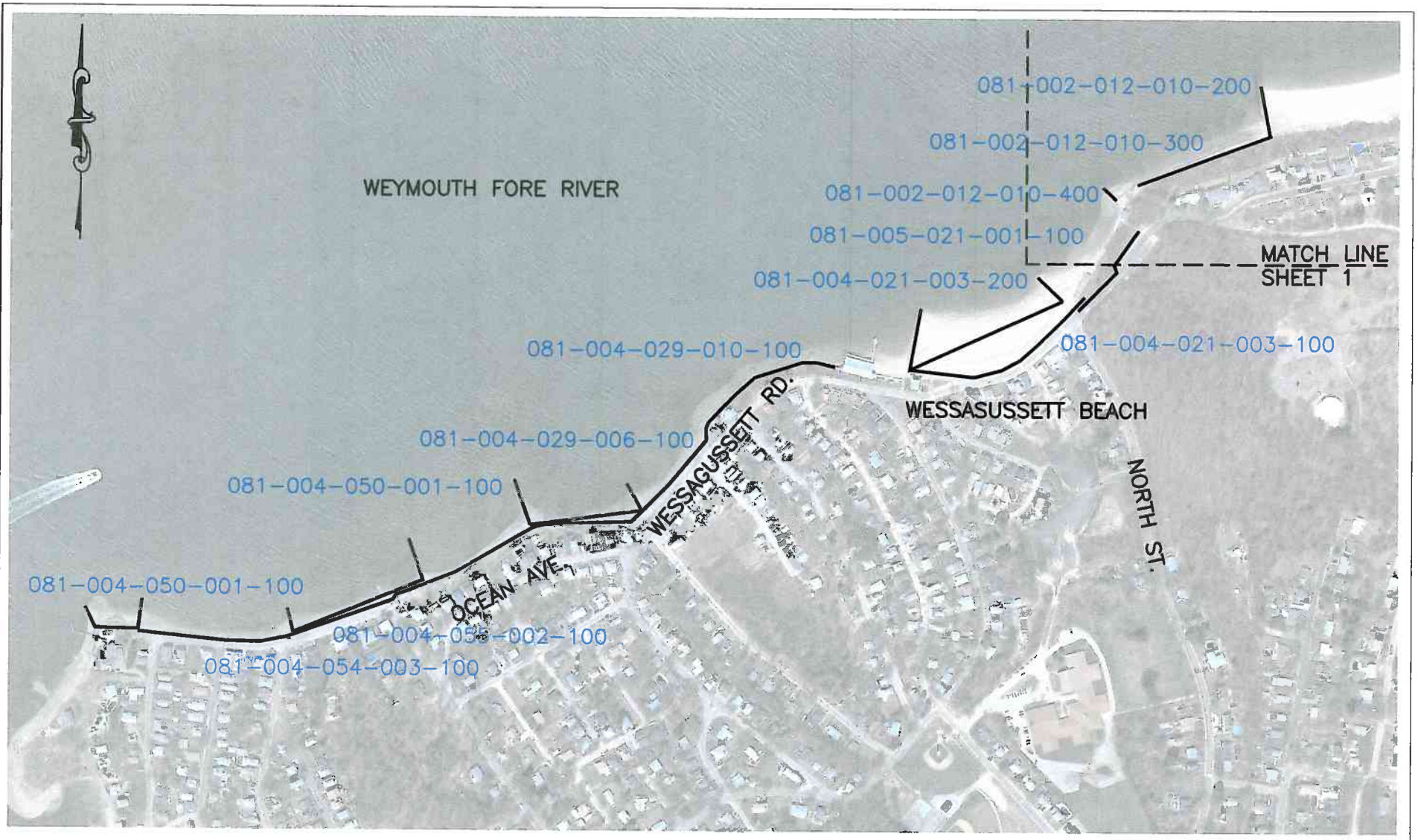
0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering

SHEET 1

File: X:\27652-\27667\Boston Harbor\Weymouth\dwg\Weymouth.dwg



COASTAL STRUCTURE LOCATION PLAN

TOWN OF WEYMOUTH
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

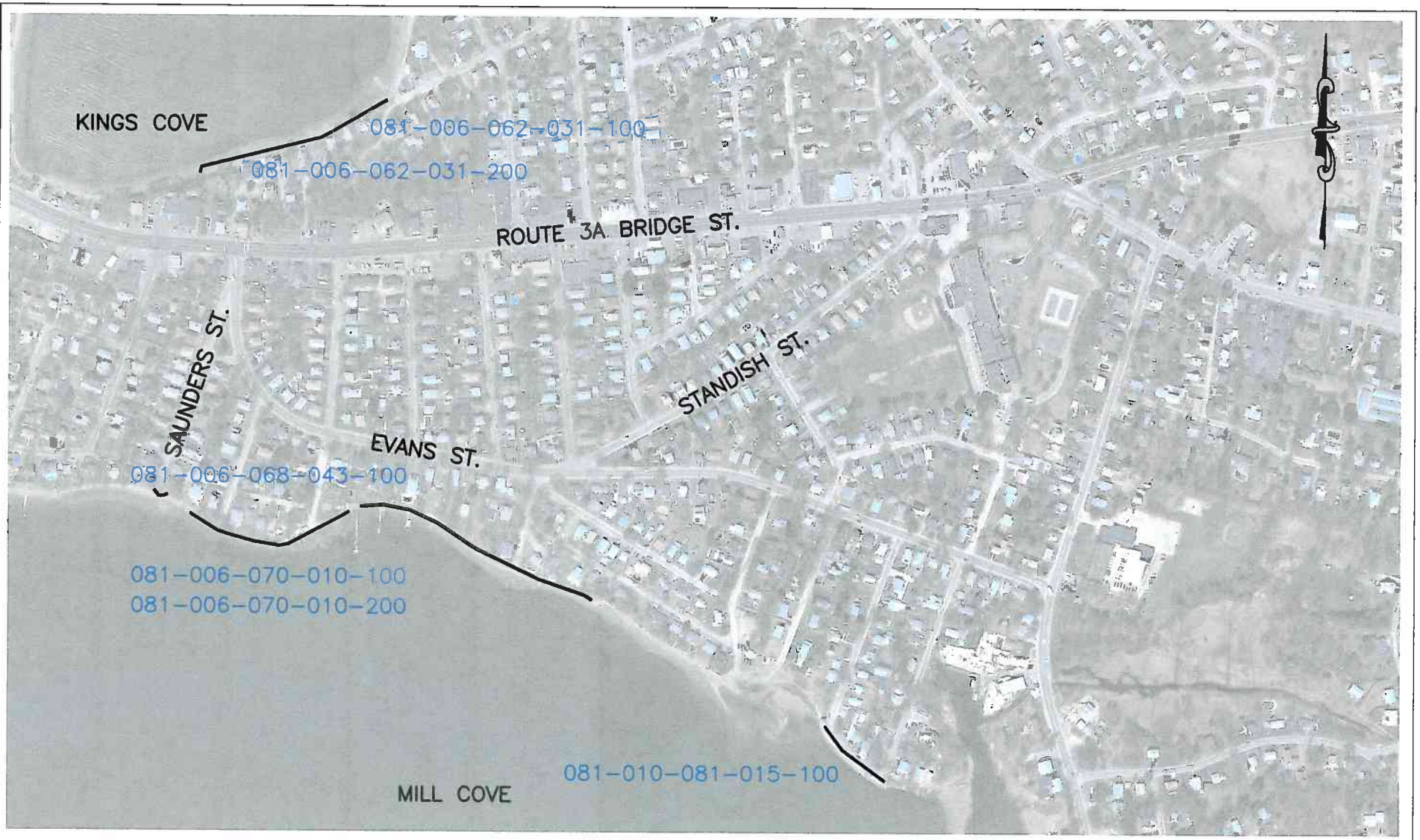
0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering

SHEET 2

File: X:\27652-\27667\Boston Harbor\Weymouth\dwg\Weymouth.dwg



COASTAL STRUCTURE LOCATION PLAN

TOWN OF WEYMOUTH
COASTAL INFRASTRUCTURE INVENTORY
AND ASSESSMENT PROJECT
JULY 2007

0 150

SCALE: 1" = 150'-0"

BCE Bourne Consulting Engineering
3 Bond Street
Franklin, MA 02038
TEL. (508) 533-4888 FAX (508) 533-4889

SHEET 3

File: X:\27652-\27667\Boston Harbor\Weymouth\dwg\Weymouth.dwg

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-000-001-019-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
State	Grape Island	7/26/2007

Presumed Structure Owner:	Based On Comment:
State	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
MA-DCR	1972	$13,306.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
105 Feet	Feet NAVD 88		Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Wood	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The timber bulkhead has 4 feet by 12 feet plates and is capped. There is no sign of erosion or scour. There is no visible section loss to the wood. In front of the structure is a small beach and behind is a park. It is attached to the island docks.

Condition Rating	B
Level of Action	Good
Description	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.

Priority Rating	I
Action	None
Description	Long Term Planning Considerations
	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

- 081-000-001-019-100-PHO1A.jpg
- 081-000-001-019-100-PHO1B.JPG

Structure Documents:

MA-DCR	April 1976	Construction of	081-000-001-019-100-DCR1A
MA-DCR	September 1	Boston Harbor Island	081-000-001-019-100-DCR1B
MA-DCR	June 1989	Pier Improvements -	081-000-001-019-100-DCR1C
MA-DCR	1972	Map C - 1972 Master	081-000-001-019-100-DCR1D
MA-DCR	January 199	Boston Harbor Island	081-000-001-019-100-DCR1E
MA-DCR	July 1979	Boston Harbor Island	081-000-001-019-100-DCR1G
MA-DCR	February 19	Boston Harbor	081-000-001-019-100-DCRF
DEP	February 19	Proposed Pier and	081-000-001-019-100-LIC1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-003-005-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Beach Road	6/12/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1960	$36,128.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
230		A4	12
Feet	Feet NAVD 88		Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap is comprised of stones that are approximately 3 feet by 1.5 feet by 1.5 feet in size. The slope is approximately 1 on 2. There is crushed stone at the toe. There is no visible scour. The ramp appears to be newly constructed.

Condition Rating	B Good	*Priority Rating*	I None
Level of Action	Minor	*Action*	Long Term Planning Considerations
Description	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.	*Description*	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

081-002-003-005-100-PHO1A.JPG
081-002-003-005-100-PHO1B.JPG

Structure Documents:

MA-DCR	April 1960	Proposed Shore	081-002-003-005-100-DCR1A
DEP	February 14,	Plan Accompanying	081-002-003-005-100-LIC1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-003-016-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Beach Road	

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1960	$33,033.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
275 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed stone approximately 3 feet by 2 feet with dumped stones approximately 1 foot diameter. The slope is 1 on 1 with coastal bank above it. Behind is single row of private homes. In front is beach and mud flats.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	II Low Priority
Action	Future Project Consideration
Description	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

081-002-003-016-100-PHO1A.JPG

081-002-003-016-100-PHO1B.JPG

Structure Documents:

Weymouth	April 1960	Proposed Shore	081-002-003-016-100-DCR1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-009-005-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Fort Point Road	6/13/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1949	$5,930,575.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
2181 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

The precast concrete wall has a wave return face. Slabs are cracked and undermined. There are sections of loose and shifting stones. Behind the structures is a road and houses; in front of the structures is a small gravel beach. The dumped riprap has shifted, settled, and unraveled.

Condition Rating	D
	Poor
Level of Action	Major
Description	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. 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.

Priority Rating	V
	Immediate / Highest Priority
Action	Consider For Immediate Action Due to Public Safety and Welfare Issues
Description	Critical Inshore Structures Present with Potential for Infrastructure Damage and/or High Density Residential Dwellings Condition 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)

Structure Images:

- 081-002-009-005-100-PHO1A.JPG
- 081-002-009-005-100-PHO1B.JPG

Structure Documents:

USACE	November 1	Proposed Seawall	081-002-009-005-100-COE1A
MA-DCR	1949	The Commonwealth	081-002-009-005-100-DCR1A
MA-DCR	1949	The Commonwealth	081-002-009-005-100-DCR1B
Weymouth	2-28-1949	Shore Protection -	081-002-009-005-100-TWN1A
Weymouth	August 1951	Proposed Shore	081-002-009-005-100-TWN1B

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-009-005-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	River Street	4/14/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1963	$58,397.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
40 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Mostly buried stone groin with stones that are approximately 3 feet by 4 feet. Only six stone are visable. Stone are not tight together and show sever rotation and movement.

Condition Rating	F Critical	*Priority Rating*	I None
Level of Action	Immediate	*Action*	Long Term Planning Considerations
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.	*Description*	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

081-002-009-005-200-PHO2A.JPG

Structure Documents:

MA-DCR	May 1960	Proposed Shore	081-002-009-005-200-DCR2A
MA-DCR	November 1	Proposed Shore	081-002-009-005-200-DCR2B

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-012-010-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	River Street	6/12/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1950	$43,085.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
510 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The pre-cast concrete slabs are 2 feet wide. They are buried in sand and only 1 to 3 feet of the wall is exposed. Behind the wall is a road and in front is a beach.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	II Low Priority
Action	Future Project Consideration
Description	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

081-002-012-010-100-PHO1A.JPG

Structure Documents:

MA-DCR	October 195	Proposed Shore	081-002-012-010-100-DCR1A
MA-DCR	May 1960	Proposed Shore	081-002-012-010-100-DCR1B
MA-DCR	November 1	Proposed Shore	081-002-012-010-100-DCR1C
Weymouth	April 1950	Proposed Beach	081-002-012-010-100-TWN1A
Weymouth	October 195	Proposed Shore	081-002-012-010-100-TWN1B
Weymouth	November 1	Proposed Shore	081-002-012-010-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-012-010-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Regatta Road	6/13/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1950	$216,180.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
180 Feet	Feet NAVD 88	V4	17 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap is in a mound groin with a crest of approximately 7 feet. The stones are approximately 3 feet by 2 feet by 2 feet.

Condition Rating	C Fair	*Priority Rating*	I None
Level of Action	Moderate	*Action*	Long Term Planning Considerations
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.	*Description*	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

081-002-012-010-200-PHO2A.JPG

Structure Documents:

MA-DCR	April 1960	Proposed Shore	081-002-012-010-200-DCR2A
MA-DCR	May 1960	Proposed Shore	081-002-012-010-200-DCR2B
MA-DCR	November 1	Proposed Shore	081-002-012-010-200-DCR2C
Weymouth	April 1950	Proposed Beach	081-002-012-010-200-TWN1A
Weymouth	October 195	Proposed Shore	081-002-012-010-200-TWN1B
Weymouth	April 1960	Proposed Shore	081-002-012-010-200-TWN1C
Weymouth	May 1960	Stone Mound, Slope	081-002-012-010-200-TWN1D
Weymouth	November 1	Proposed Shore	081-002-012-010-200-TWN1E

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-012-010-300

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Regatta Road	6/13/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1950	$60,060.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
500 Feet	Feet NAVD 88	V4	17 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap is comprised of stones that are approximately 4 feet by 2 feet by 2 feet in size. There is no scour. There is some settling and stone movement. The beach is in front of the revetment. There is a coastal bank and houses behind the structure.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

- 081-002-012-010-300-PHO3A.JPG
- 081-002-012-010-300-PHO3B.JPG
- 081-002-012-010-300-PHO3C.JPG

Structure Documents:

MA-DCR	November 1	Proposed Shore	081-002-012-010-300-DCR3A
Weymouth	April 1950	Proposed Beach	081-002-012-010-300-TWN1A
Weymouth	October 195	Proposed Shore	081-002-012-010-300-TWN1B
Weymouth	April 1960	Proposed Shore	081-002-012-010-300-TWN1C
Weymouth	May 1960	Stone Mound, Slope	081-002-012-010-300-TWN1D
Weymouth	November 1	Proposed Shore	081-002-012-010-300-TWN1E

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-002-012-010-400

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Regatta Road	

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1949	$43,160.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
65 Feet	Feet NAVD 88	VA	17 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed stone groin with stone that are approximately 4 feet by 3 feet by 2 feet. Moderate shifting and movement. No signs of scour. Grion end at mean low water. Crest is two stones wide.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	I
	None
Action	Long Term Planning Considerations
Description	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

081-002-012-010-400-PHO4A.JPG

Structure Documents:

Weymouth	February 19	The Commonwealth	081-002-012-010-400-TWN4A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-003-004-029-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Prospect Hill Drive	4/14/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1960	$459,122.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1860 Feet	Feet NAVD 88		Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	Over 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Placed stone revetment with stones that are approximately 5 feet by 4 feet with a 1 on 1 slope. The creast is one stone wide, then there is another 1 on 1 slope to a coastal bank. Minor shifting and movement. Toe is well burried. There is private homes behind and many private piers built on it.

Condition Rating	B Good	*Priority Rating*	II Low Priority
Level of Action	Minor	*Action*	Future Project Consideration
Description	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.	*Description*	Inshore Structures Present with Limited potential for Significant Infrastructure Damage

Structure Images:

081-003-004-029-100-PHO1A.JPG

081-003-004-029-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-003-004-029-200

Key: community-map-block-parcel-structure

Property Owner: Local

Location: Prospect Hill Drive

Date: 4/14/2009

Presumed Structure Owner: Local

Based On Comment:

Owner Name: Weymouth

Earliest Structure Record:

Estimated Reconstruction/Repair Cost: $53,117.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
40 Feet	Feet NAVD 88	A4	17 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Dumped stone grion that ends approximately 100 feet from mean low water. Stone have moderate movement and shifting. 90% of each stone is visable. Stone size decreases as the structure progresses seaward.

Condition Rating	D Poor
Level of Action	Major
Description	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. 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.

Priority Rating	I None
Action	Long Term Planning Considerations
Description	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

081-003-004-029-200-PHO2A.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-021-003-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Wessagussett Beach	6/13/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1949	$59,558.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
705 Feet	Feet NAVD 88	V4	17 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The precast concrete wall is 1.5 feet wide. The beach is in front of the structure, and a road and houses are behind it. There is minor cracking. There is no scour.

Condition Rating	B Good	*Priority Rating*	IV High Priority
Level of Action	Minor	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

081-004-021-003-100-PHO1A.JPG

Structure Documents:

USACE	December 3	Proposed Groin,	081-004-021-003-100-COE1A
USACE	July 14, 196	Proposed Stone	081-004-021-003-100-COE1B
USACE	July 1964	Proposed Stone	081-004-021-003-100-COE1C
MA-DCR	March 1949	The Commonwealth	081-004-021-003-100-DCR1A
MA-DCR	July 1958	Proposed Beach	081-004-021-003-100-DCR1B
Weymouth	April 1950	Proposed Beach	081-004-021-003-100-TWN1A
Weymouth	October 195	Proposed Shore	081-004-021-003-100-TWN1B
Weymouth	November 1	Proposed Shore	081-004-021-003-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-021-003-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Wessagussett Beach	6/13/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1949	$43,560.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
330 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap with mortar has stones approximately 3 feet by 2 feet in size. The crest is one stone in width. There are two groins with a sandy beach between the two. The end of the groin is at mean low water.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	I None
Action	Long Term Planning Considerations
Description	No Inshore Structures or Residential Dwelling Units Present

Structure Images:

- 081-004-021-003-200-PHO2A.JPG
- 081-004-021-003-200-PHO2B.JPG
- 081-004-021-003-200-PHO2C.JPG

Structure Documents:

USACE	December 3	Proposed Goin,	081-004-021-003-200-COE2A
MA-DCR	March 1949	The Commonwealth	081-004-021-003-200-DCR2A
MA-DCR	July 1958	Proposed Beach	081-004-021-003-200-DCR2B
Weymouth	April 1950	Proposed Beach	081-004-021-003-200-TWN2A
Weymouth	October 195	Proposed Shore	081-004-021-003-200-TWN2B
Weymouth	April 1960	Proposed Shore	081-004-021-003-200-TWN2C
Weymouth	May 1960	Stone Mound, Slope	081-004-021-003-200-TWN2D
Weymouth	November 1	Proposed Shore	081-004-021-003-200-TWN2E

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-029-006-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Wessagussett Road	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1950	$962,254.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1270 Feet	Feet NAVD 88	V4	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The precast wall with a wave return face. The riprap has stones of approximately 3 feet by 2 feet by 2 feet size. Some of the stones are burried by the sand at sections. Houses are located 15 feet behind the structures. There is no scour or erosion. There are some localized areas of cracking and section loss.

Condition Rating	C Fair	*Priority Rating*	IV High Priority
Level of Action	Moderate	*Action*	Consider for Next Project Construction Listing
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.	*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 Images:

081-004-029-006-100-PHO1A.JPG

Structure Documents:

Weymouth	April 1950	Proposed Beach	081-004-029-006-100-TWN1A
Weymouth	October 195	Proposed Shore	081-004-029-006-100-TWN1B
Weymouth	November 1	Proposed Shore	081-004-029-006-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-029-010-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Wessagussett Road	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1949	$432,630.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
570 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The cast in place wall has a wave return face that is 2 feet wide. There is scour and undermine at localized areas of the wall. There is cracking and spalling on the wall. There is an old wall or footing that the wall was built on that is still visible.

Condition Rating	C
Level of Action	Fair
Description	Moderate
	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

- 081-004-029-010-100-PHO1A.JPG
- 081-004-029-010-100-PHO1B.JPG

Structure Documents:

MA-DCR	March 1949	The Commonwealth	081-004-029-010-100-DCR1A
Weymouth	April 1950	Proposed Beach	081-004-029-010-100-TWN1A
Weymouth	October 195	Proposed Shore	081-004-029-010-100-TWN1B
Weymouth	November 1	Proposed Shore	081-004-029-010-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-050-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Fore River Avenue	6/14/2006

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1948	$90,420.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
685 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Groin/ Jetty	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

There is a series of groins made up of dumped riprap with stones of approximately 3 feet by 2 feet by 2 feet size. They are at a 1 on 1 slope. The crest is one stone wide. There is minor settling and unraveling. The groin extends approximately 50 to 75 feet past mean high water.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

081-004-050-001-100-PHO1A.JPG

Structure Documents:

USACE	February 24,	Proposed Groins in	081-004-050-001-100-COE1A
USACE	October 7, 1	Proposed Groins and	081-004-050-001-100-COE1B
Weymouth	April 1950	Proposed Beach	081-004-050-001-100-TWN1A
Weymouth	October 195	Proposed Shore	081-004-050-001-100-TWN1B
Weymouth	April 1960	Proposed Shore	081-004-050-001-100-TWN1C
Weymouth	May 1960	Stone Mound, Slope	081-004-050-001-100-TWN1D
Weymouth	November 1	Proposed Shore	081-004-050-001-100-TWN1E

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-050-001-100

Key: community-map-block-parcel-structure

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-054-003-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Fore River Avenue	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1950	$644,068.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
590 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The cast in place wall is 2.5 feet wide by 3 feet high. The riprap is located in front of the wall. It is 3 feet by 2 feet by 2 feet. There is a beach in front of the structures. There is no scour or erosion. There is minor cracking.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

081-004-054-003-100-PHO1A.JPG

Structure Documents:

Weymouth	April 1950	Proposed Beach	081-004-054-003-100-TWN1A
Weymouth	October 195	Proposed Shore	081-004-054-003-100-TWN1B
Weymouth	November 1	Proposed Shore	081-004-054-003-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-004-055-002-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Fore River Avenue	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1950	$476,923.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
315 Feet	Feet NAVD 88	V6	15 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The cast in place wall is 1 foot wide. There are many sections of loss, cracking, erosion and exposed rebar. The beach is located in front of the structures and houses are behind the structures.

Condition Rating	D Poor
Level of Action	Major
Description	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. 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.

Priority Rating	IV High Priority
Action	Consider for Next Project Construction Listing
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 Images:

081-004-055-002-100-PHO1A.JPG

Structure Documents:

Weymouth	April 1950	Proposed Beach	081-004-055-002-100-TWN1A
Weymouth	October 195	Proposed Shore	081-004-055-002-100-TWN1B
Weymouth	November 1	Proposed Shore	081-004-055-002-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-005-021-001-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Wessagusett Road	4/14/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1963	$153,000.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
360 Feet	Feet NAVD 88	A4	14 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Concrete wall that has 5 feet visable. Acts as a curb for the road behind. There is a coastal bank in front of it. The wall is about 1 foot wide. Moderate cracking and spalling.

Condition Rating	C Fair
Level of Action Description	Moderate 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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

081-005-021-001-100-PHO1A.JPG

081-005-021-001-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-006-062-031-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Bridge Street	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1974	$18,163.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
215 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The cast in place wall is 1.5 feet wide by 5 feet high. The beach is in front of the wall and houses are behind it. There is no scour or undermining. There is minor cracking and spalling.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

081-006-062-031-100-PHO1A.JPG

Structure Documents:

USACE	November 5,	Proposed Shore	081-006-062-031-100-COE1A
Weymouth	November 1	Proposed Shore	081-006-062-031-100-TWN1A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-006-062-031-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Route 3A/Bridge Street	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1974	$105,633.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
485 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	5 to 10 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The precast concrete wall has a wave return face. The placed riprap is at the base with a 1 on 1 slope. The stones are approximately 3 feet by 2 feet in size. There is no scour or erosion. Minor cracks on the wall. The stones at the toe are buried.

Condition Rating	B Good	*Priority Rating*	IV High Priority
Level of Action	Minor	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

081-006-062-031-200-PHO2A.JPG

Structure Documents:

USACE	November 5,	Proposed Shore	081-006-062-031-200-COE2A
Weymouth	November 1	Proposed Shore	081-006-062-031-200-TWN2A

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-006-068-043-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Saunders Street	

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	Unkown	$19,958.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
60 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

Dumped stone revetment fronting a pumping station and a road. Stone are 2 feet by 2 feet with 3 inch stone as an underlayer. There appears to one layer of amor stone.

Condition Rating	C
	Fair
Level of Action	Moderate
Description	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 protection from major coastal storm and for extending life of structure. 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 addition material for full protection and extended life.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

081-006-068-043-100-PHO1A.JPG

081-006-068-043-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-006-070-010-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Unknown	River Bank Road	6/14/2007

Presumed Structure Owner:	Based On Comment:
Unknown	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1955	$180,576.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
1200 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	Under 5 Feet

Structure Summary :

The precast concrete wall has a wave return face. The wall has areas of section loss and undermine. There are minor cracks and spalling throughout. The dumped riprap has stones of approximately 3 feet by 2 feet size. There is no scour at the toe.

Condition Rating	B
	Good
Level of Action	Minor
Description	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.

Priority Rating	IV
	High Priority
Action	Consider for Next Project Construction Listing
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 Images:

081-006-070-010-100-PHO1A.JPG

Structure Documents:

USACE	November 1	Proposed Seawall	081-006-070-010-100-COE1A
MA-DCR	October 195	Proposed Shore	081-006-070-010-100-DCR1A
MA-DCR	December 1	Proposed Shore	081-006-070-010-100-DCR1B
Weymouth	December 1	Proposed Shore	081-006-070-010-100-TWN1A
Weymouth	December 1	Proposed Shore	081-006-070-010-100-TWN1B
Weymouth	December 1	Proposed Shore	081-006-070-010-100-TWN1C

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-006-070-010-200

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Evans Street	4/14/2009

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	1956	$222,552.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
600 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Bulkhead/ Seawall	Concrete	10 to 15 Feet

Secondary Type:	Secondary Material:	Secondary Height:
Revetment	Stone	5 to 10 Feet

Structure Summary :

Precast concrete wall with recurved wall. Minor shifting and movement. The toe is protected with placed stone rip rap with stone 4 feet by 3 feet by 2 feet. There is a concrete crest on the rip rap. Minor scour at the toe throughout the entire structure. No visable erosion behind.

Condition Rating	B Good
Level of Action	Minor
Description	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.

Priority Rating	III Moderate Priority
Action	Consider for Active Project Improvement Listing
Description	Inshore Structures with potential for Infrastructure Damage and/or Limited Residential Dwellings (<1 dwelling impacted / 100 feet of shoreline)

Structure Images:

081-006-070-010-200-PHO2A.JPG

Structure Documents:

MA-DCR	Dec 1956	Proposed Shore	081-006-070-010-200-DCR2A
MA-DCR	Jan 1959	Proposed Shore	081-006-070-010-200-DCR2B

Prepared By: Bourne Consulting Engineering

CZM Coastal Infrastructure Inventory and Assessment

Structure Assessment Form

Town: Weymouth

Structure ID: 081-010-081-015-100

Key: community-map-block-parcel-structure

Property Owner:	Location:	Date:
Local	Gilmore Street	6/14/2007

Presumed Structure Owner:	Based On Comment:
Local	

Owner Name:	Earliest Structure Record:	Estimated Reconstruction/Repair Cost:
Weymouth	Unkown	$18,810.00

Length:	Top Elevation:	FIRM Map Zone:	FIRM Map Elevation:
285 Feet	Feet NAVD 88	A4	12 Feet NGVD

Primary Type:	Primary Material:	Primary Height:
Revetment	Stone	Under 5 Feet

Secondary Type:	Secondary Material:	Secondary Height:

Structure Summary :

The placed riprap stones are approximately 4 feet by 2 feet by 2 feet. The toe is intact. There is no scour. There is minor erosion at the top. A road and houses are behind the structure.

Condition Rating	B Good	*Priority Rating*	IV High Priority
Level of Action	Minor	*Action*	Consider for Next Project Construction Listing
Description	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.	*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 Images:

081-010-081-015-100-PHO1A.JPG

081-010-081-015-100-PHO1B.JPG

Structure Documents:

Prepared By: Bourne Consulting Engineering

Section V - Weymouth

Part C

Structure Photographs

TOWN: WEYMOUTH
SOURCE: BCE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: OCTOBER 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
081-001-000-019-100	081-001-000-019-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-001-000-019-100	081-001-000-019-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-003-005-100	081-002-003-005-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-003-005-100	081-002-003-005-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-003-016-100	081-002-003-016-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-003-016-100	081-002-003-016-100-PHO1AB.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-009-005-100	081-002-009-005-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-009-005-100	081-002-009-005-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-009-005-200	081-002-009-005-200-PHO2A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-012-010-100	081-002-012-010-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-012-010-200	081-002-012-010-200-PHO2A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-012-010-300	081-002-012-010-300-PHO3A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-012-010-300	081-002-012-010-300-PHO3B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-012-010-300	081-002-012-010-300-PHO3C.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-002-012-010-400	081-002-012-010-400-PHO4A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-003-004-029-100	081-003-004-029-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-003-004-029-100	081-003-004-029-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-003-004-029-200	081-003-004-029-200-PHO2A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-021-003-100	081-004-021-003-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-021-003-200	081-004-021-003-200-PHO2A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-021-003-200	081-004-021-003-200-PHO2B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-021-003-200	081-004-021-003-200-PHO2C.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey

TOWN: WEYMOUTH
SOURCE: BCE - FIELD PHOTOGRAPHS
LOCATION: Bourne Consulting Engineering
DATE OF RESEARCH: OCTOBER 2007

081-004-029-006-100	081-004-029-006-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-029-010-100	081-004-029-010-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-029-010-100	081-004-029-010-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-050-001-100	081-004-050-001-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-054-003-100	081-004-054-003-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-004-055-002-100	081-004-055-002-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-005-021-001-100	081-005-021-001-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-005-021-001-100	081-005-021-001-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-006-062-031-200	081-006-062-031-200-PHO2A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-006-062-031-200	081-006-062-031-200-PHO2B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-006-068-043-100	081-006-068-043-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-006-068-043-100	081-006-068-043-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-006-070-010-100	081-006-070-010-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-006-070-010-200	081-006-070-010-200-PHO2A.jpg		Bourne Consulting Engineering	Weymouth	April 2009	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-010-081-015-100	081-010-081-015-100-PHO1A.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey
081-010-081-015-100	081-010-081-015-100-PHO1B.jpg		Bourne Consulting Engineering	Weymouth	June 2007	DIGITAL IMAGE	1	Structure Location	Structure Condtion Photo at Time of Survey

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081-000-001-019-100-PHO1B

081-002-003-005-100-PHO1A

081-002-003-005-100-PHO1B

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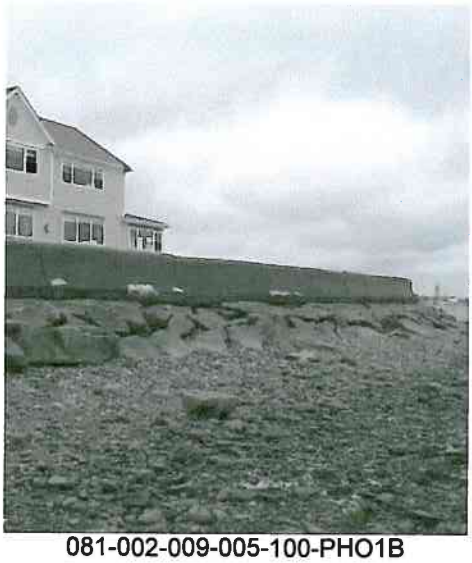

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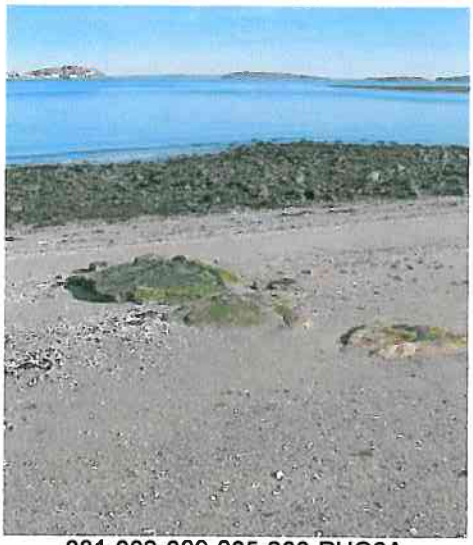

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081-002-012-010-300-PHO3C


081-002-012-010-400-PHO4A


081-003-004-029-100-PHO1A


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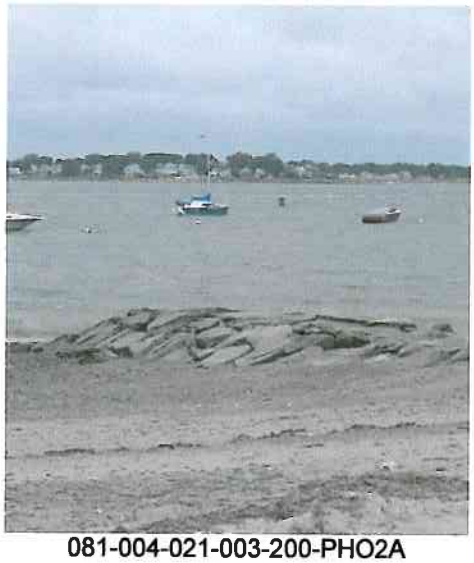
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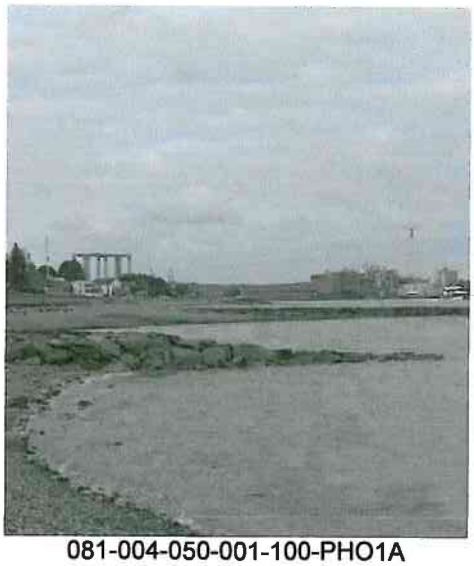
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081-005-021-001-100-PHO1B


081-006-062-031-100-PHO1A


081-006-062-031-200-PHO2A


081-006-068-043-100-PHO1A


081-006-068-043-100-PHO1B


081-006-070-010-100-PHO1A


081-006-070-010-200-PHO2A

081-010-081-015-100-PHO1A

081-010-081-015-100-PHO1B

Section V - Weymouth

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

TOWN: WEYMOUTH
SOURCE: Town of Weymouth
LOCATION: TOWN
DATE OF RESEARCH: SEPTEMBER 2007

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
081-006-070-010-100	081-006-070-010-100-TWN1A	1729	Weymouth	Weymouth	December 1956	Proposed Shore Proection - Concrete and Stone Seawall Fore River Vicinity of Evans Street	2		
081-006-070-010-100	081-006-070-010-100-TWN1B	1729	Weymouth	Weymouth	December 1956	Proposed Shore Protection of Morell Street	2		
081-006-070-010-100	081-006-070-010-100-TWN1C	2014	Weymouth	Weymouth	December 1959	Proposed Shore Protection - Vicinity of Morell Street	1		
081-006-062-031-100	081-006-062-031-100-TWN1A	2806	Weymouth	Weymouth	November 1974	Proposed Shore Protection: Precast Concrete Seawall and Stone Mound - King Cove and Fore River	1		
081-006-062-031-200	081-006-062-031-200-TWN2A	2806	Weymouth	Weymouth	November 1974	Proposed Shore Protection: Precast Concrete Seawall and Stone Mound – King Cove and Fore River	1		
081-004-021-003-100	081-004-021-003-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-004-021-003-100	081-004-021-003-100-TWN1B	1547	Weymouth	Weymouth	October 1955	Proposed Shore Protection: Concrete and Stone Seawall - Fore River at Fort Point Road	1		
081-004-021-003-100	081-004-021-003-100-TWN1C	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-004-021-003-200	081-004-021-003-200-TWN2A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-004-021-003-200	081-004-021-003-200-TWN2B	1815	Weymouth	Weymouth	October 1957	Proposed Shore Protection: Stone Mound and Slope Pavement - Vicinity of Fore River	1		
081-004-021-003-200	081-004-021-003-200-TWN2C	2109	Weymouth	Weymouth	April 1960	Proposed Shore Protection: Stone Groin and Sand Fill - Wessagussett Beach	1		
081-004-021-003-200	081-004-021-003-200-TWN2D	2098	Weymouth	Weymouth	May 1960	Stone Mound, Slope Protection and Groin - Wessagussett Beach in the vicinity of Regatta Road	1		
081-004-021-003-200	081-004-021-003-200-TWN2E	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-004-029-006-100	081-004-029-006-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-004-029-006-100	081-004-029-006-100-TWN1B	1547	Weymouth	Weymouth	October 1955	Proposed Shore Protection: Concrete and Stone Seawall – Fore River at Fort Point Road	1		
081-004-029-006-100	081-004-029-006-100-TWN1C	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall – Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-004-029-010-100	081-004-029-010-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		

081-004-029-010-100	081-004-029-010-100-TWN1B	1547	Weymouth	Weymouth	October 1955	Proposed Shore Protection: Concrete and Stone Seawall - Fore River at Fort Point Road	1		
081-004-029-010-100	081-004-029-010-100-TWN1C	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-004-055-002-100	081-004-055-002-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-004-055-002-100	081-004-055-002-100-TWN1B	1547	Weymouth	Weymouth	October 1955	Proposed Shore Protection: Concrete and Stone Seawall - Fore River at Fort Point Road	1		
081-004-055-002-100	081-004-055-002-100-TWN1C	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-004-054-003-100	081-004-054-003-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-004-054-003-100	081-004-054-003-100-TWN1B	1547	Weymouth	Weymouth	October 1955	Proposed Shore Protection: Concrete and Stone Seawall - Fore River at Fort Point Road	1		
081-004-054-003-100	081-004-054-003-100-TWN1C	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-004-050-001-100	081-004-050-001-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-004-050-001-100	081-004-050-001-100-TWN1B	1815	Weymouth	Weymouth	October 1957	Proposed Shore Protection: Stone Mound and Slope Pavement - Vicinity of Fore River	1		
081-004-050-001-100	081-004-050-001-100-TWN1C	2109	Weymouth	Weymouth	April 1960	Proposed Shore Protection: Stone Groin and Sand Fill - Wessagussett Beach	1		
081-004-050-001-100	081-004-050-001-100-TWN1D	2098	Weymouth	Weymouth	May 1960	Stone Mound, Slope Protection and Groin - Wessagussett Beach in the vicinity of Regatta Road	1		
081-004-050-001-100	081-004-050-001-100-TWN1E	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-002-012-010-100	081-002-012-010-100-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-002-012-010-100	081-002-012-010-100-TWN1B	1547	Weymouth	Weymouth	October 1955	Proposed Shore Protection: Concrete and Stone Seawall - Fore River at Fort Point Road	1		
081-002-012-010-100	081-002-012-010-100-TWN1C	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-002-012-010-200	081-002-012-010-200-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-002-012-010-200	081-002-012-010-200-TWN1B	1815	Weymouth	Weymouth	October 1957	Proposed Shore Protection: Stone Mound and Slope Pavement - Vicinity of Fore River	1		

081-002-012-010-200	081-002-012-010-200-TWN1C	2109	Weymouth	Weymouth	April 1960	Proposed Shore Protection: Stone Groin and Sand Fill - Wessagussett Beach	1		
081-002-012-010-200	081-002-012-010-200-TWN1D	2098	Weymouth	Weymouth	May 1960	Stone Mound, Slope Protection and Groin - Wessagussett Beach in the vicinity of Regatta Road	1		
081-002-012-010-200	081-002-012-010-200-TWN1E	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-002-012-010-300	081-002-012-010-300-TWN1A	1955	Weymouth	Weymouth	April 1950	Proposed Beach Improvements: Groin, Seawall, and Sand Fill - Wessagussett Beach	2		
081-002-012-010-300	081-002-012-010-300-TWN1B	1815	Weymouth	Weymouth	October 1957	Proposed Shore Protection: Stone Mound and Slope Pavement - Vicinity of Fore River	1		
081-002-012-010-300	081-002-012-010-300-TWN1C	2109	Weymouth	Weymouth	April 1960	Proposed Shore Protection: Stone Groin and Sand Fill - Wessagussett Beach	1		
081-002-012-010-300	081-002-012-010-300-TWN1D	2098	Weymouth	Weymouth	May 1960	Stone Mound, Slope Protection and Groin - Wessagussett Beach in the vicinity of Regatta Road	1		
081-002-012-010-300	081-002-012-010-300-TWN1E	2398	Weymouth	Weymouth	November 1963	Proposed Shore Protection: Stone Groin, Stone Mound, and Concrete Seawall - Wessagussett Beach in the vicinity of Regatta Road and Fore River Road	2		
081-002-009-005-100	081-002-009-005-100-TWN1A	41/80	Weymouth	Weymouth	2-28-1949	Shore Protection - Fort Point Road	1		
081-002-009-005-100	081-002-009-005-100-TWN1B		Weymouth	Weymouth	August 1951	Proposed Shore Protection - Fort Point Road	1		

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

BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
006-010-706-99999-100	006-010-706-99999-100-DCR1A	815-76	MA-DCR	Weymouth	April 1976	Construction of Timber Pier - Grape Island, Boston Harbor Island State Park	4	Grape Island	Proposed Timber Bulkhead
006-010-706-99999-100	006-010-706-99999-100-DCR1B	57-82	MA-DCR	Weymouth	September 1984	Boston Harbor Island State Park	14		
006-010-706-99999-100	006-010-706-99999-100-DCR1C	595-90	MA-DCR	Weymouth	June 1989	Pier Improvements - Boston Harbor Islands	5	Bumpkin, Gallops, Grape, and Great Brewster Islands	
006-010-706-99999-100	006-010-706-99999-100-DCR1D	N/A	MA-DCR	Weymouth	1972	Map C - 1972 Master Plan - Boston Harbor Islands	14		
006-010-706-99999-100	006-010-706-99999-100-DCR1E	0-97	MA-DCR	Weymouth	January 1997	Boston Harbor Island State park	24	Grape and Bumpkin Islands	
006-010-706-99999-100	006-010-706-99999-100-DCR1F	865-97	MA-DCR	Weymouth	2/4/1997	Boston Harbor Islands State Park - Gallops, Grape and Bumpkin Islands - Site Improvements	7	Gallops, Grape, and Bumpkin Islands	
006-010-706-99999-100	006-010-706-99999-100-DCR1G	947-79	MA-DCR	Weymouth	July 1979	Boston Harbor Island State Park - Site Improvements	21		
081-002-003-005-100	081-002-003-005-100-DCR1A	2099	MA-DCR	Weymouth	April 1960	Proposed Shore Protection - Stone Mound - Weymouth back River - Vicinity of Beach Road - Weymouth - Prepared for the DPW of MA - Division of Waterways	1	Beach Road	Stone Mound
081-002-009-005-100	081-002-009-005-100-DCR1A	22	MA-DCR	Weymouth	1949	The Commonwealth of Massachusetts - Port of Boston Authority - Commonwealth Pier Number 5 - South Boston, MA - Record plan - Shore Protection Fort Point Road, Weymouth - Section 1	2	Fort Point Road	Groin and Stone Wall
081-002-009-005-100	081-002-009-005-100-DCR1B	41	MA-DCR	Weymouth	1949	The Commonwealth of Massachusetts - Port of Boston Authority - Commonwealth Pier Number 5 - South Boston, MA - Record Plan - Shore Protection Fort Point Road, Weymouth - Section 1	1	Fort Point Road	Seawall and Jetty
081-002-009-005-200	081-002-009-005-200-DCR1A	1815	MA-DCR	Weymouth	October 1957	Proposed Shore Protection - Stone Mound and Sloped Pavement - Weymouth Fore River - Prepared for the DPW of MA - Division of Waterways	1	North of River Street	Stone Mound
081-002-009-005-200	081-002-012-010-100-DCR1B	2098	MA-DCR	Weymouth	May 1960	Proposed Shore Protection - Stone Mound, Sloped Paving and Groin - Wessagusset - Vicinity of Regatta Road, Weymouth - Prepared for the DPW of MA - Division of Waterways	1	Regatta Road	Stone Mound
081-002-012-010-100	081-002-012-010-100-DCR1A	1815	MA-DCR	Weymouth	October 1957	Proposed Shore Protection - Stone Mound and Sloped Pavement - Weymouth Fore River - Prepared for the DPW of MA - Division of Waterways	1	North of River Street	Stone Mound
081-002-012-010-100	081-002-012-010-100-DCR1B	2098	MA-DCR	Weymouth	May 1960	Proposed Shore Protection - Stone Mound, Sloped Paving and Groin - Wessagusset - Vicinity of Regatta Road, Weymouth - Prepared for the DPW of MA - Division of Waterways	1	Regatta Road	Stone Mound
081-002-012-010-100	081-002-012-010-100-DCR1C	2398	MA-DCR	Weymouth	November 1963	Proposed Shore Protection - Stone Groin, Stone Mound, and Concrete Seawall - Wessagusset Beach - Vicinity of Regatta Road and River Street - Weymouth - Prepared for the DPW of MA -	2	Regatta Road and River Street	Stone Groin, Stone mound and Concrete Seawall
081-002-012-010-200	081-002-012-010-200-DCR2A	2109	MA-DCR	Weymouth	April 1960	Proposed Shore Protection - Stone Groin and Sand Fill - Wessaguset Beach - Weymouth - Prepared for the DPW of MA - Division of Waterways	1	Regatta Road	Groin and Fill
081-002-012-010-200	081-002-012-010-200-DCR2B	2098	MA-DCR	Weymouth	May 1960	Proposed Shore Protection - Stone Mound, Sloped Paving and Groin - Wessagusett - Vicinity of Regatta Road, Weymouth - Prepared for the DPW of MA - Division of Waterways	1	Regatta Road	Stone Mound and Groin
081-002-012-010-200	081-002-012-010-200-DCR2C	2398	MA-DCR	Weymouth	November 1963	Proposed Shore Protection - Stone Groin, Stone Mound and Concrete Seawall - Wessagusett Beach - Vicinity of Regatta Road and River Street - Weymouth - Prepared for the DPW of MA -	2	Regatta Road and River Street	Stone Groin, Stone Mound, and Concrete Seawall

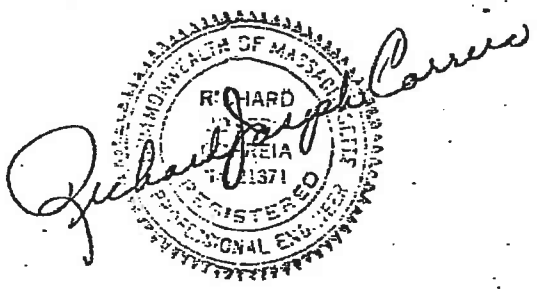
TOWN: WEYMOUTH
SOURCE: MA-DCR
LOCATION: MA-DCR BOSTON and HINGHAM, MA
DATE OF RESEARCH: JULY 2007

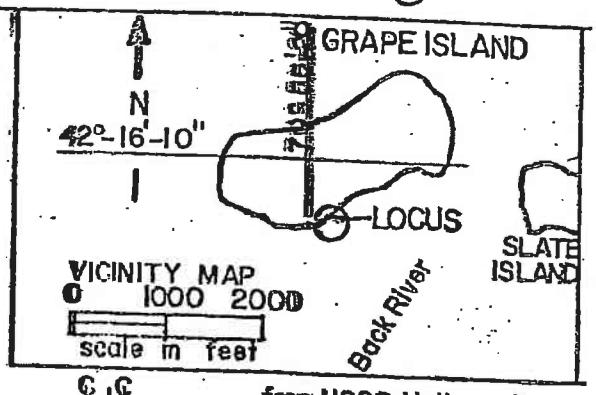
081-002-012-010-300	081-002-012-010-300-DCR3A	2398	MA-DCR	Weymouth	November 1963	Proposed Shore Protection - Stone Groin, Stone Mound and Concrete Seawall - Wessagusset Beach - Vicinity of Regatta Road and River Street - Weymouth - V	2	Regatta Road and River Street	Stone Groin, Stone Mound and Concrete Seawall
081-002-012-010-400	081-002-012-010-400-DCR4A	2398	MA-DCR	Weymouth	November 1963	Proposed Shore Protection - Stone Groin, Stone Mound and Concrete Seawall - Wessagusset Beach - Vicinity of Regatta Road and River Street - Weymouth - V	2	Regatta Road and River Street	Stone Groin, Stone Mound and Concrete Seawall
081-004-021-003-100	081-004-021-003-100-DCR1A	41	MA-DCR	Weymouth	March 1949	The Commonwealth of Massachusetts - Port of Boston Authority - Commonwealth Pier Number 5 - South Boston, MA - Record Plan - Shore Protection - Wessagusset Road, Weymouth -	1	Wessagusset Road	Seawall and Jetty
081-004-021-003-100	081-004-021-003-100-DCR1B	1955	MA-DCR	Weymouth	July 1958	Proposed Beach Improvements - Groin, Seawall and Sand Fill - Wessagusset Beach - Weymouth - Prepared for the DPW of MA - Division of Waterways	2	Wessagusset Road by North Street	Groin, Seawall and Sand Fill
081-004-021-003-200	081-004-021-003-200-DCR2A	41	MA-DCR	Weymouth	March 1949	The Commonwealth of Massachusetts - Port of Boston Authority - Commonwealth Pier Number 5 - South Boston, MA - Record Plan - Shore Protection - Wessagusset Road, Weymouth -	1	Wessagusset Road	Seawall and Jetty
081-004-021-003-200	081-004-021-003-200-DCR2B	1955	MA-DCR	Weymouth	July 1958	Proposed Beach Improvements - Groin, Seawall and Sand Fill - Wessagussett Beach - Weymouth - Prepared for the DPW of MA - Division of Waterways	2	2	Wessagusset Road by North Street
081-004-029-010-100	081-004-029-010-100-DCR1A	41	MA-DCR	Weymouth	March 1949	The Commonwealth of Massachusetts - Port of Boston Authority - Commonwealth Pier Number 5 - South Boston, MA - Record Plan - Shore Protection - Wessagusset Road, Weymouth -	1	Wessagusset Road	Seawall and Jetty
081-006-070-010-100	081-006-070-010-100-DCR1A	1547	MA-DCR	Weymouth	October 1955	Proposed Shore Protection - Concrete and Stone Seawall - Weymouth Fore River at Aspinwall Avenue - Weymouth - Prepared for the DPW of MA - Division of Waterways	2	Aspinwall Avenue	Concrete and Stone Seawall
081-006-070-010-100	081-006-070-010-100-DCR1B	1729	MA-DCR	Weymouth	December 1956	Proposed Shore Protection - Concrete and Stone Seawall - Weymouth Fore River - Vicinity of Evans Street - Weymouth Prepared for the DPW of MA - Division of Waterways	2	Evans Street	Concrete and Stone Seawall
081-006-070-010-200	081-006-070-010-200-DCR2A	1729	MA-DCR	Weymouth	December 1956	Proposed Shore Protection - Concrete and Stone Seawall - Weymouth Fore River - Vicinity of Evans Street - Weymouth Prepared for the DPW of MA - Division of Waterways	2	Evans Street	Concrete and Stone Seawall
081-006-070-010-200	081-006-070-010-200-DCR2A	2014	MA-DCR	Weymouth	January 1959	Proposed Shore Protection Concrete and Stone Seawall, vicinity of Morell Street - Department of Public Works of MA - Division of Waterways	1	Morell Street	Concrete and Stone Seawall

TOWN: WEYMOUTH
SOURCE: DEP
LOCATION: BOSTON, MA
DATE OF RESEARCH: JULY 2007

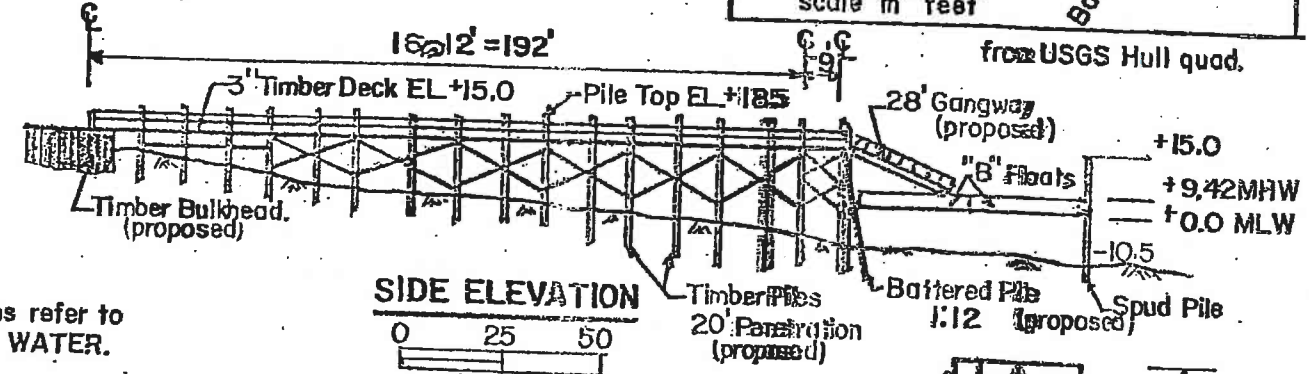
BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
081-000-001-019-100	081-000-001-019-100-LIC1A	267	DEP	Weymouth	February 1977	Proposed Pier and Floats Application by Massachusetts Department of Environmental Management for Purpose of Public Docking Facility In Hingham Bay, County of Norfolk, State of Massachusetts	1	Grape Island	Proposed Timber Bulkhead
081-002-003-005-100	081-002-003-005-100-LIC1A	2865	DEP	Weymouth	February 14, 1992	Plan Accompanying Petition of Department of Fisheries, Wildlife and Environmental Law Enforcement Public Access Board To Construct Public Access Facility Improvements, Launching Ramp, Floats and Paving	6	Weymouth Back River	Stone Revetment

081-000-001-019-100





from USGS Hull quad.



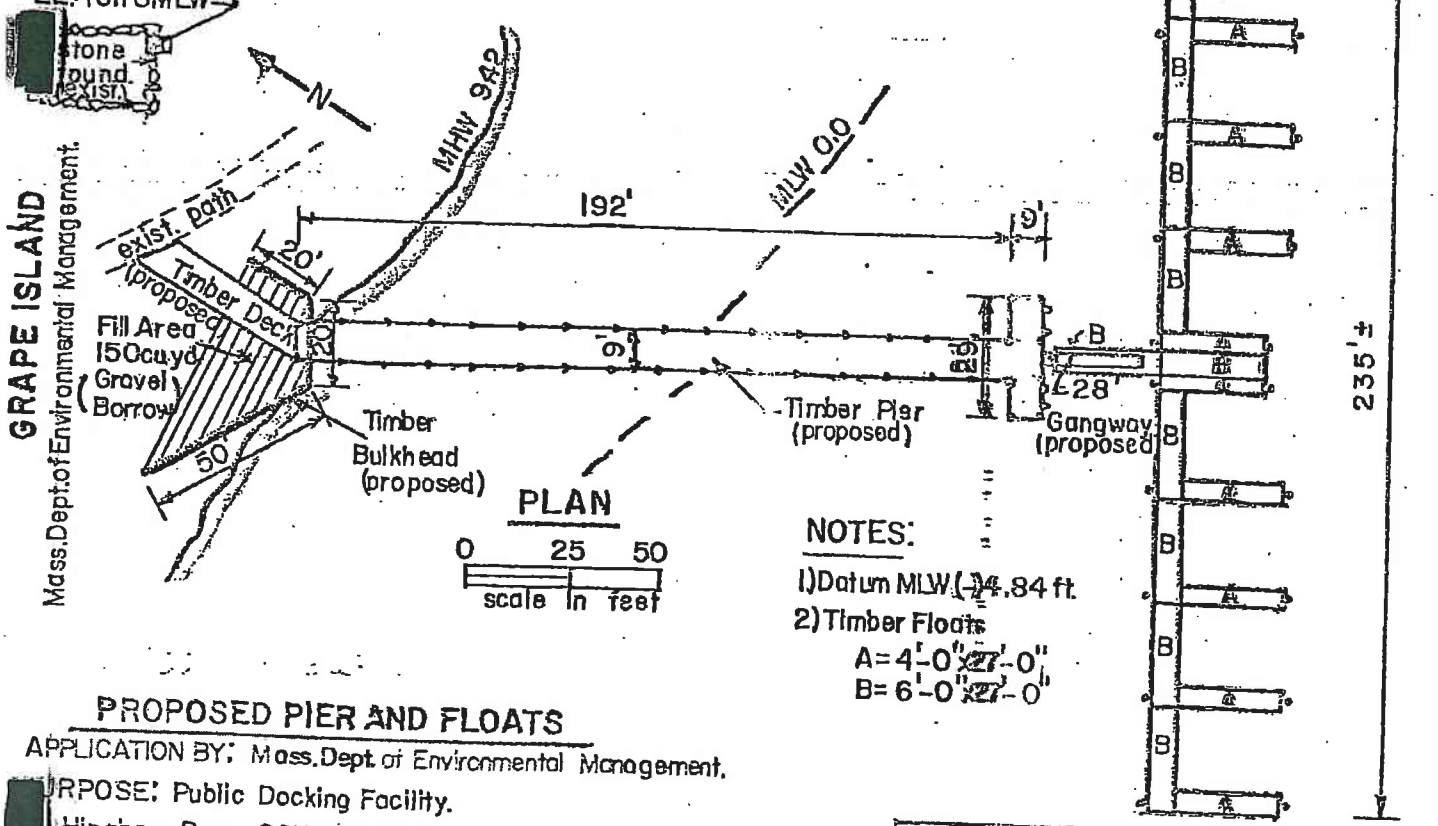
SIDE ELEVATION

0 25 50

scale in feet

NOTE:

All elevations refer to MEAN LOW WATER.



PLAN

0 25 50

scale in feet

NOTES:

1) Datum MLW (-) 4.84 ft.

2) Timber Floats

A = 4'-0" x 27'-0"

B = 6'-0" x 27'-0"

PROPOSED PIER AND FLOATS

APPLICATION BY: Mass. Dept. of Environmental Management.

PURPOSE: Public Docking Facility.

Hingham Bay, COUNTY OF: Norfolk, STATE: Massachusetts.

PROPERTY OWNER: Mass. Dept. of Environmental Management.

SHEET 1 of 1 DATE: APRIL 1976

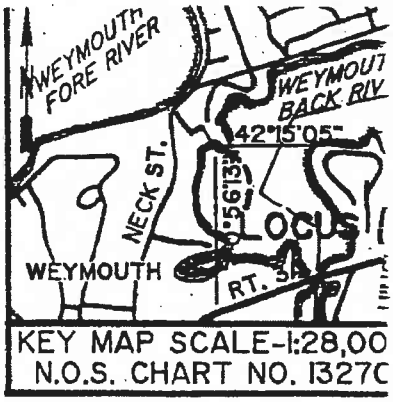
LICENSE PLAN NO. 257

APPROVED BY DEPARTMENT OF PUBLIC WORKS, COMMONWEALTH OF MASSACHUSETTS February 8, 1977

COMMISSIONER

CHIEF ENGINEER

081-002-003-005-100



KEY MAP SCALE-1:28,00
N.O.S. CHART NO. 1327C

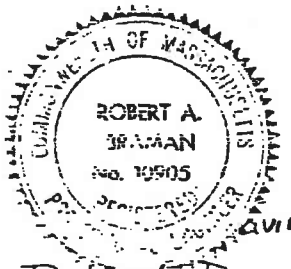
NOTES

1. ELEVATIONS SHOWN ARE IN FEET AND TENTHS ABOVE THE PLANE OF MEAN LOW WATER . MINUS FIGURES REPRESENT ELEVATIONS BELOW THAT SAME PLANE.
2. ALL TIMBER PILES TO BE CCA TREATED AT 2.5 PCF. ALL OTHER TIMBERS TO BE CCA TREATED AT 1.0 PCF.
3. ALL HARDWARE TO BE GALVANIZED
4. NO EELGRASS AT TIME OF SURVEY DATED NOVEMBER 9 , 1989
5. FOR PUBLIC USE

ABUTTERS

(1) CLAIRE G. TUFTS TRS.
64 BEACH RD.
WEYMOUTH, MA 02191

(2) ELIZABETH & EDWARD SMITH
407 NECK ST.
WEYMOUTH, MA 02191



Robert A. Braman

PLAN ACCOMPANYING PETITION OF
DEPARTMENT OF FISHERIES , WILDLIFE & ENVIRONMENTAL LAW ENFORCEMENT
PUBLIC ACCESS BOARD

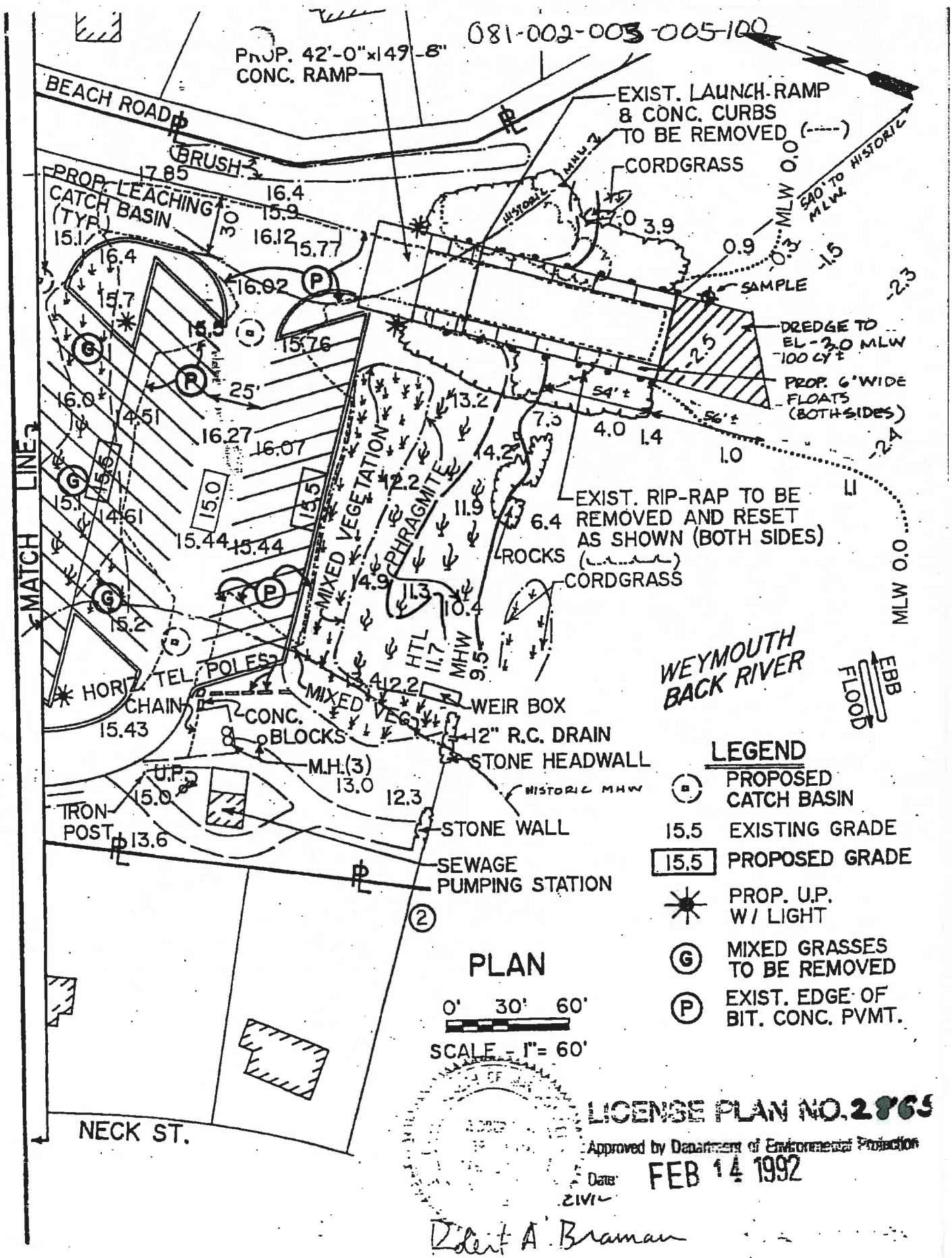
TO CONSTRUCT PUBLIC ACCESS FACILITY IMPROVEMENTS , LAUNCHING RAMP , FLOATS & PAVING

WEYMOUTH BACK RIVER

WEYMOUTH , SUFFOLK CO. , MASS.
APRIL 27 , 1989 SHEET 1 OF 6

BRAMAN ENGINEERING COMPANY , LTD.
CIVIL ENGINEERS AND SURVEYORS
258 MAIN ST. , BUZZARDS BAY , MA.

LICENSE PLAN NO. 4965
Approved by Department of Environmental Protection
of Massachusetts
COMMISSIONER
DIRECTOR



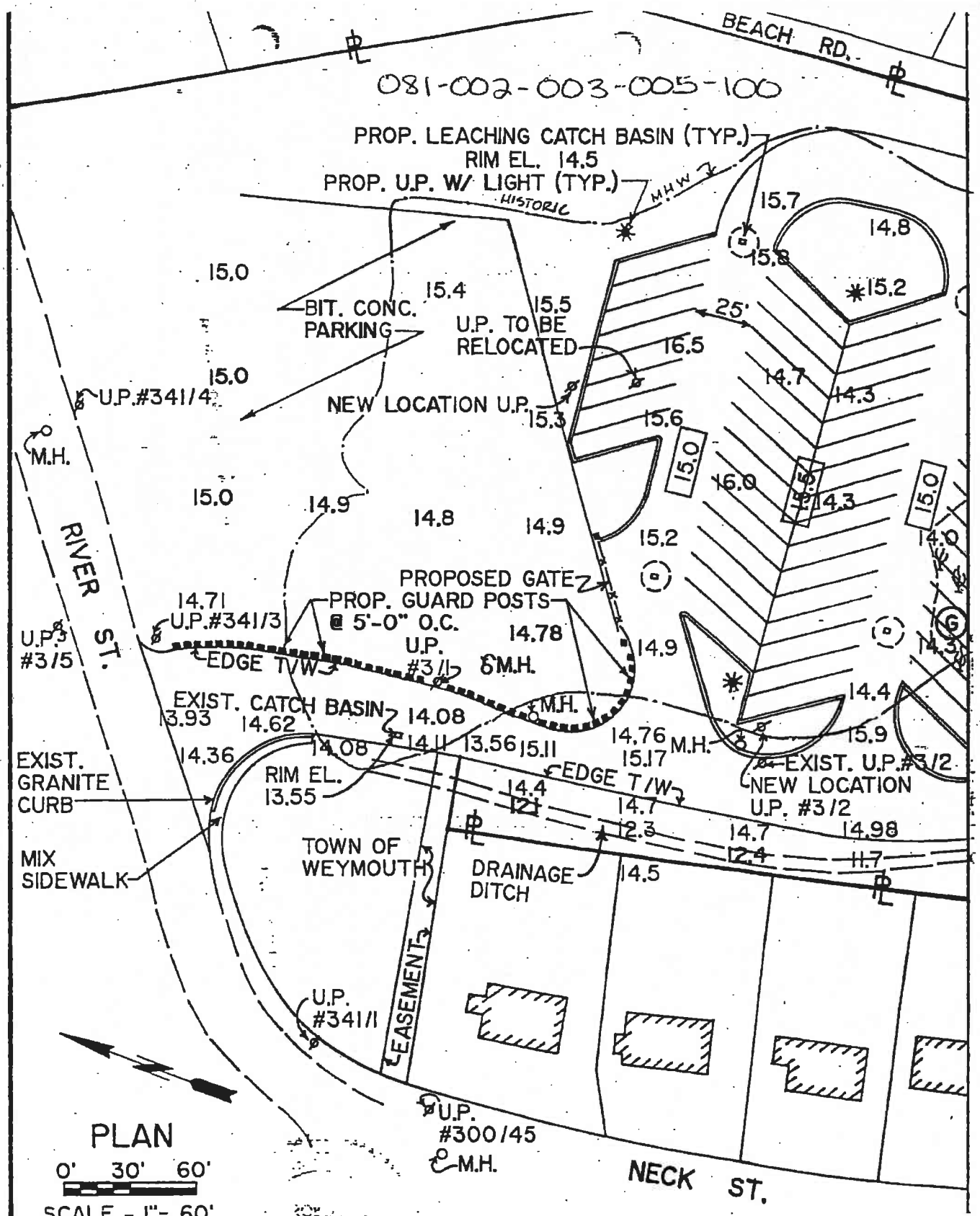
LICENSE PLAN NO. 2865

Approved by Department of Environmental Protection

Date FEB 14 1992

Robert A. Braman

PARTMENT OF FISHERIES, WILDLIFE AND
ENVIRONMENTAL LAW ENFORCEMENT



CIVIL

Robert A. Braman

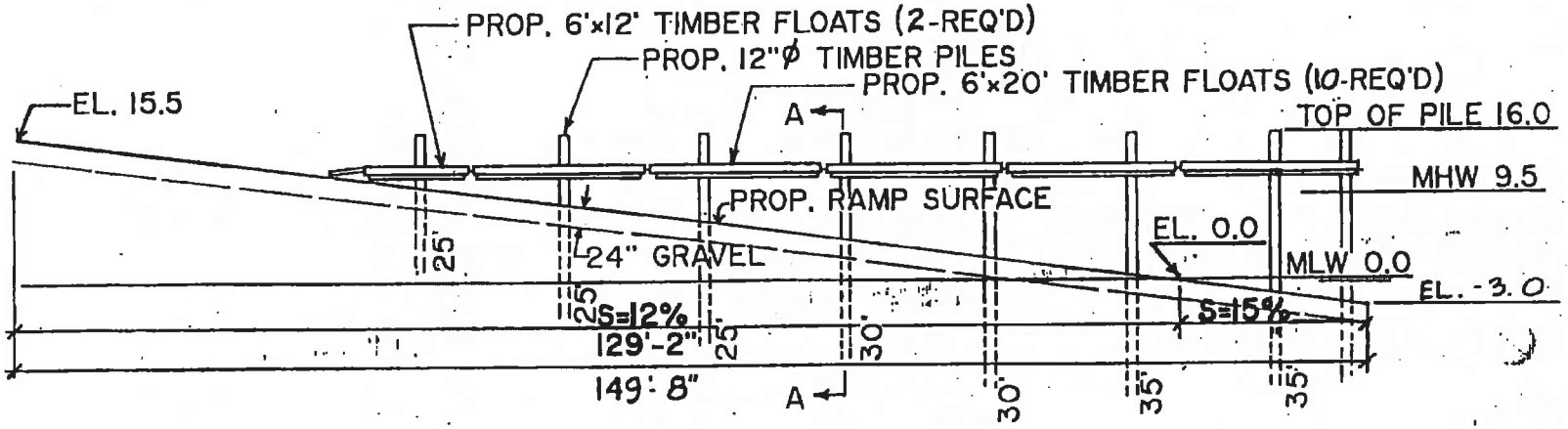
DEPARTMENT OF FISHERIES, WILDLIFE AND
ENVIRONMENTAL LAW ENFORCEMENT

LICENSE PLAN NO. 286

Approved by Department of Environmental Protection

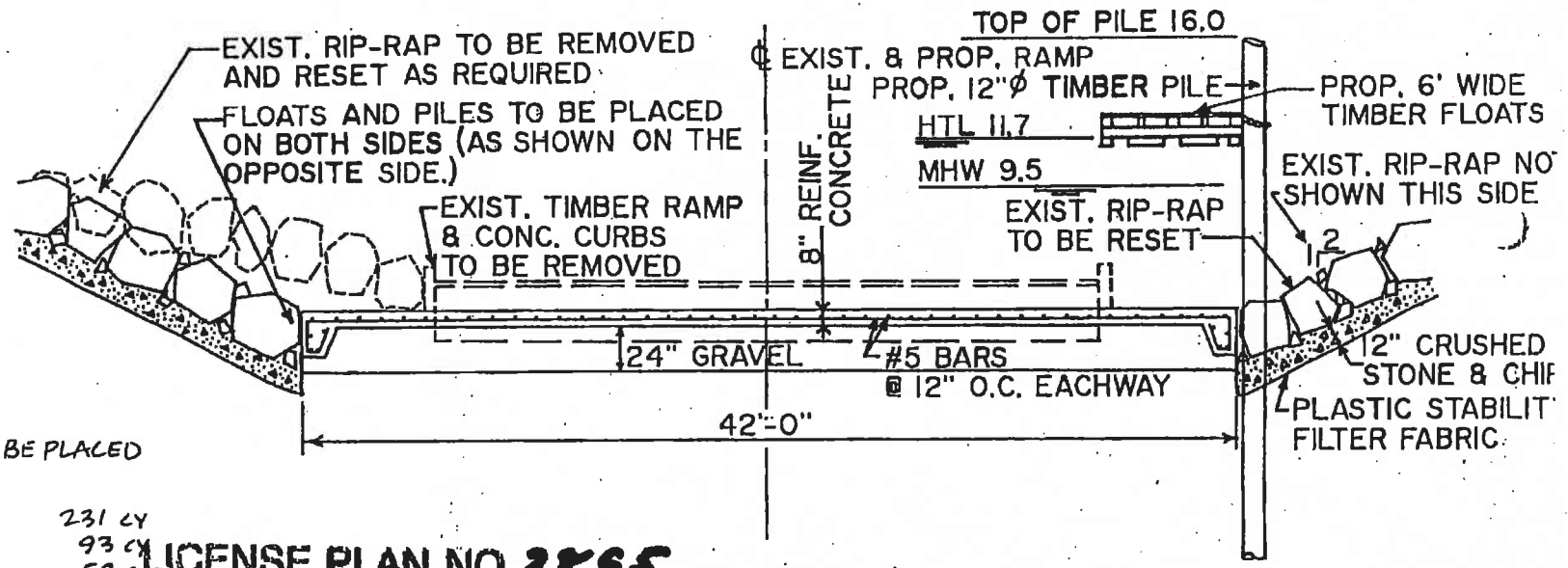
Date: FEB 14 1992

DEPARTMENT OF FISHERIES, WILDLIFE AND ENVIRONMENTAL LAW ENFORCEMENT



PROPOSED PIER PROFILE

SCALE - 1"= 20'



SECTION A-A

SCALE - 1"= 8'

VOL. OF MATERIAL TO BE PLACED BELOW MHW

RIP. RAP	231 CY
CRUSHED STONE	93 CY
CEM. CONC.	52 CY
GRAVEL	155 CY

LICENSE PLAN NO. 2765

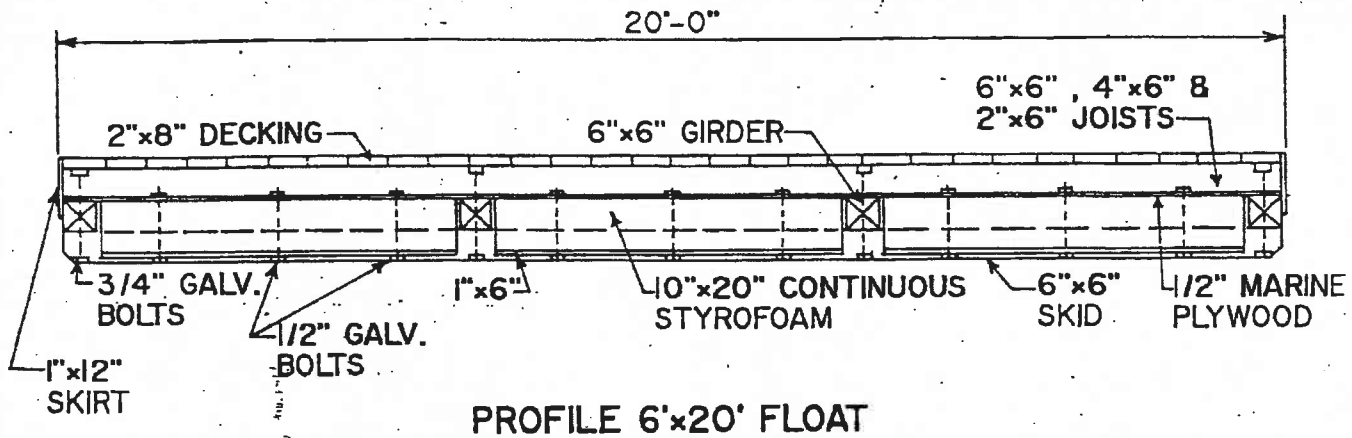
Approved by Department of Environmental Protection

Date: FEB 14 1992

081-002-003-005-100

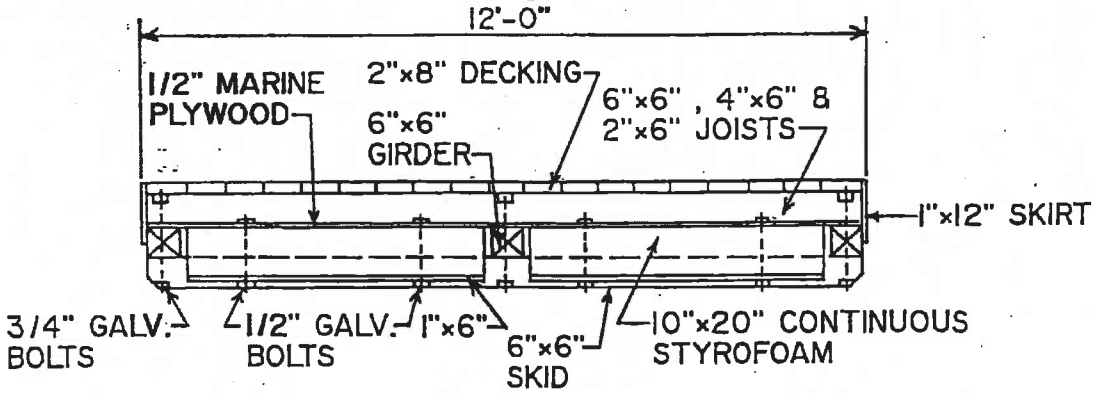
Robert A. Brannan
CIVIL

081-092-003-005-100



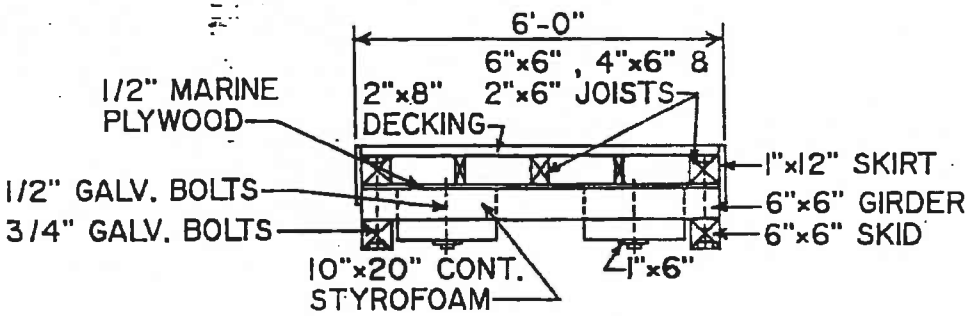
PROFILE 6'x20' FLOAT

SCALE - 1"= 4'



PROFILE 6'x12' FLOAT

SCALE - 1"= 4'



SECTION 6' WIDE FLOAT

SCALE - 1"= 4'

Robert A. Braman

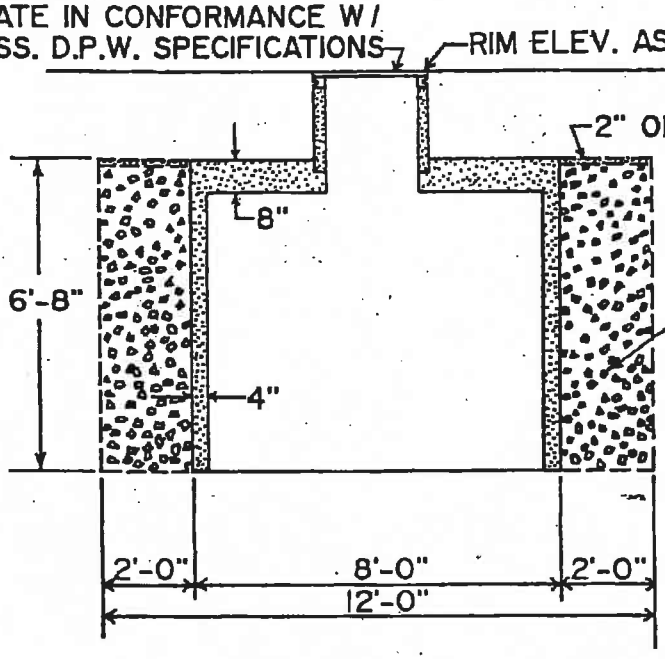
LICENSE PLAN NO. 2865

Approved by Department of Environmental Protection

Date. FEB 14 1992

DEPARTMENT OF FISHERIES, WILDLIFE AND ENVIRONMENTAL LAW ENFORCEMENT

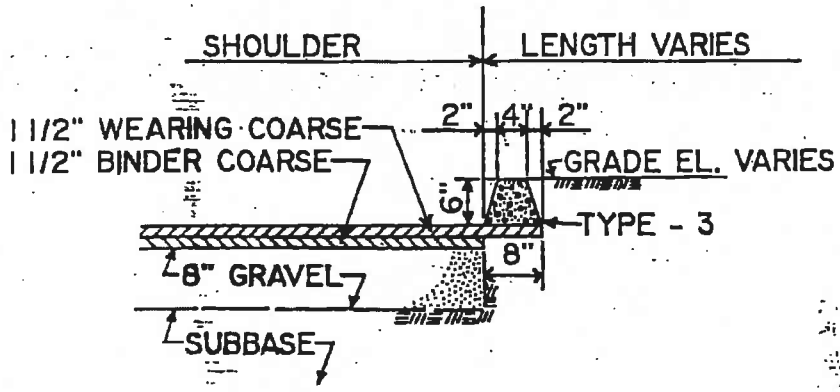
081-002-003-005-100



TYPICAL PRECAST CEMENT CONCRETE
LEACHING CATCH BASIN (DRAINAGE)
(H-20 LOADING)

SCALE - 1"= 4'

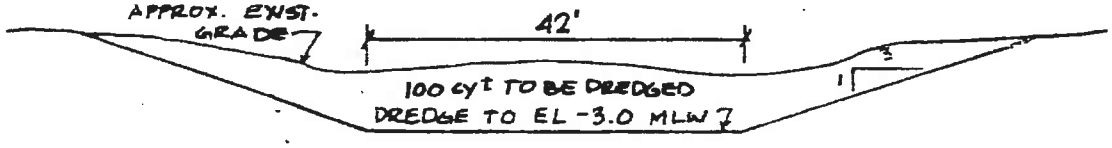
LICENSE PLAN NO. 2765
Approved by Department of Environmental Protection
Date



BITUMINOUS CONCRETE CURB DETAIL

SCALE - 1"= 2'

Robert A. Brama



DREDGE CROSS SECTION

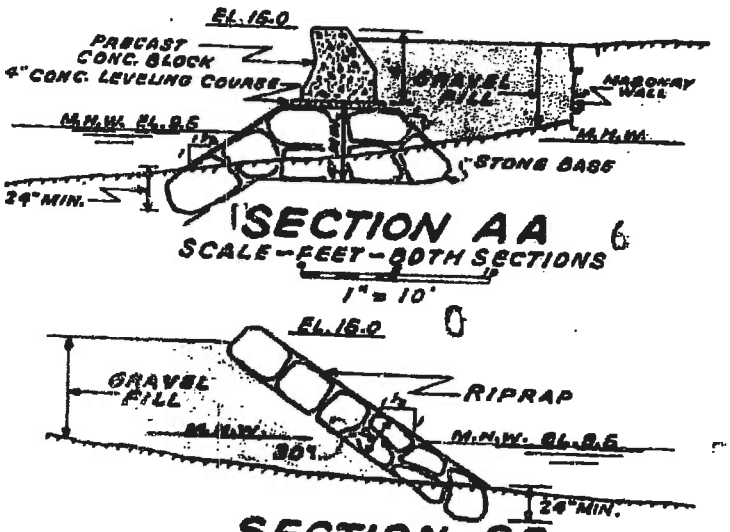
SCALE: 1"= 2'±

DEPARTMENT OF FISHERIES, WILDLIFE AND
ENVIRONMENTAL LAW ENFORCEMENT

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

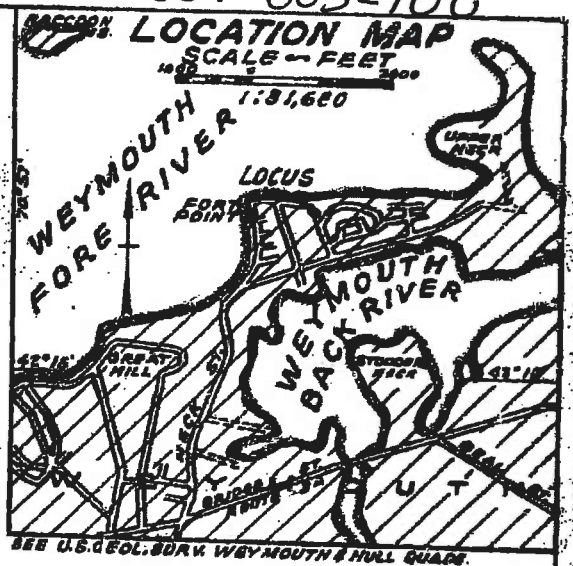
BCE Structure No	Document No	Contract/ Drawing Number	Entity	Municipality	Date	Title	Sheets	Location	Description
081-002-009-005-100	081-002-009-005-100-COE1A	55-261	USACE	Weymouth	November 18, 1955	Proposed Seawall and Filling, Weymouth Fore River, Fort Point, Weymouth, Massachusetts	1	Fort Point Road Between Birch Street and Caldwell Street	Seawall and Filling
081-004-021-003-100	081-004-021-003-100-COE1A	59-49	USACE	Weymouth	December 30, 1958	Proposed Groin, Seawall, and Sand Fill - Vicinity of Wessagusset Beach - Weymouth Fore River, Weymouth, Massachusetts	1	Wessagusset Beach Between Pilgrim Road and North Street	Groin, Seawall and Sand Fill
081-004-021-003-100	081-004-021-003-100-COE1B	60-244	USACE	Weymouth	July 14, 1960	Proposed Stone Groin and Sand Fill in the Vicinity of Wessagusset Beach, Weymouth Fore River, Weymouth, Massachusetts	1	Regatta Road and Wessagusset Road	Groin
081-004-021-003-100	081-004-021-003-100-COE1C	64-211	USACE	Weymouth	July 1964	Proposed Stone Groin - Wessagusset Beach, Weymouth Fore River, Weymouth, Massachusetts	1	Regatta Road	Stone Groin
081-004-021-003-200	081-004-021-003-200-COE2A	59-49	USACE	Weymouth	December 30, 1958	Proposed Goin, Seawall, and Sand Fill - Vicinity of Wessagusset Beach - Weymouth Fore River, Weymouth, Massachusetts	1	Wessagusset Beach Between Pilgrim Road and North Street	Groin, Seawall and Sand Fill
081-004-050-001-100	081-004-050-001-100-COE1A	48-46	USACE	Weymouth	February 24, 1948	Proposed Groins in Weymouth Fore River	2	Fort Point Road Between River Street and Wolcott Street	Groin, Wall and Fill
081-004-050-001-100	081-004-050-001-100-COE1B	53-244	USACE	Weymouth	October 7, 1953	Proposed Groins and Fill in Weymouth Fore River at North Weymouth, County of Norfolk, Massachusetts	1	Wessagussett Road and North Street	Groin and Fill
081-006-062-031-100	081-006-062-031-100-COE1A	75-98	USACE	Weymouth	November 5, 1974	Proposed Shore Protection - Concrete Seawall - King Cove - Fore River, Weymouth	2	King Cove	Concrete Seawall
081-006-062-031-200	081-006-062-031-200-COE2A	75-98	USACE	Weymouth	November 5, 1974	Proposed Shore Protection - Concrete Seawall - King Cove - Fore River, Weymouth	2	King Cove	Concrete Seawall
081-006-070-010-100	081-006-070-010-100-COE1A	55-260	USACE	Weymouth	November 18, 1955	Proposed Seawall and Filling - Weymouth Fore River - Aspinwall Avenue, Weymouth, Massachusetts	1	Aspinwall Avenue	Seawall and Filling

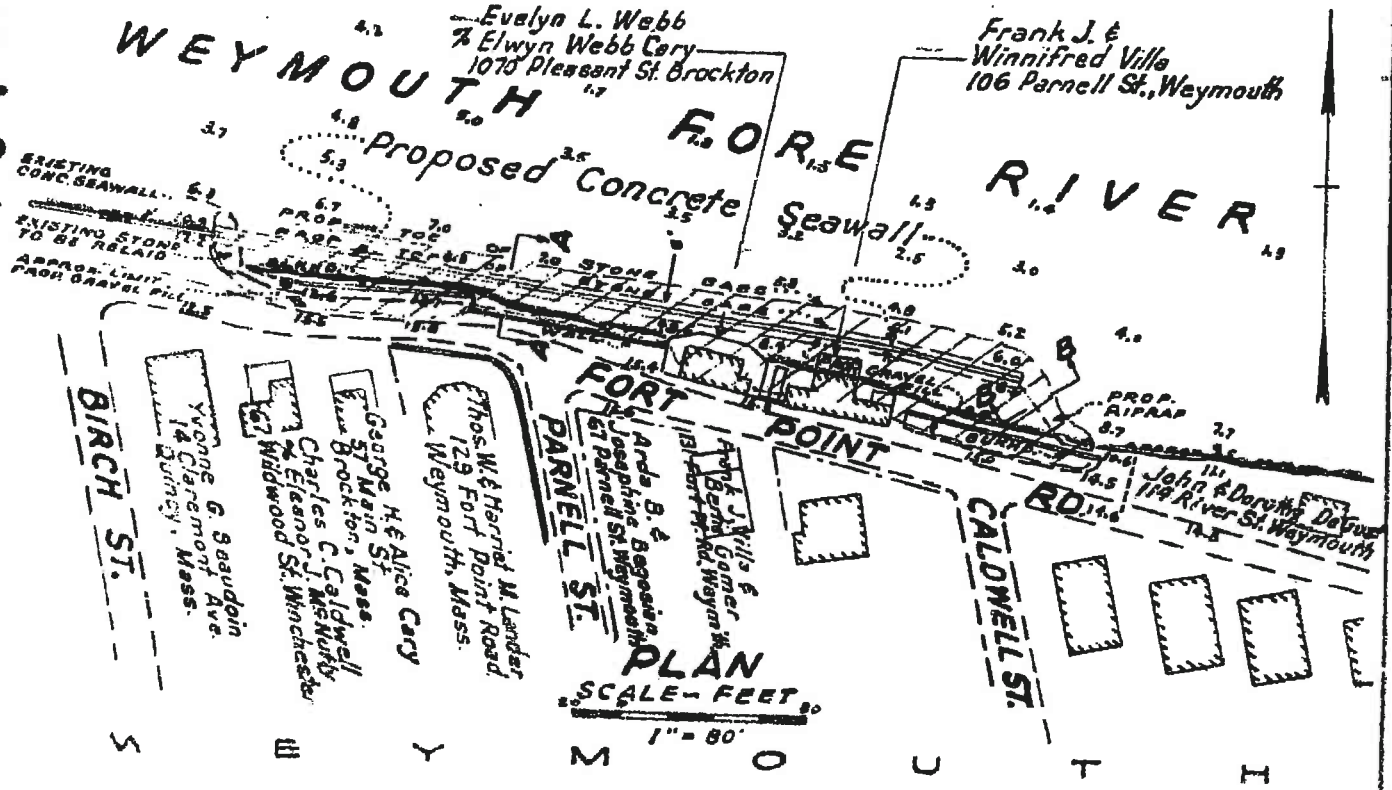
081-002-009-005-100



SECTION AA
SCALE - FEET - BOTH SECTIONS
1" = 10'

SECTION BB



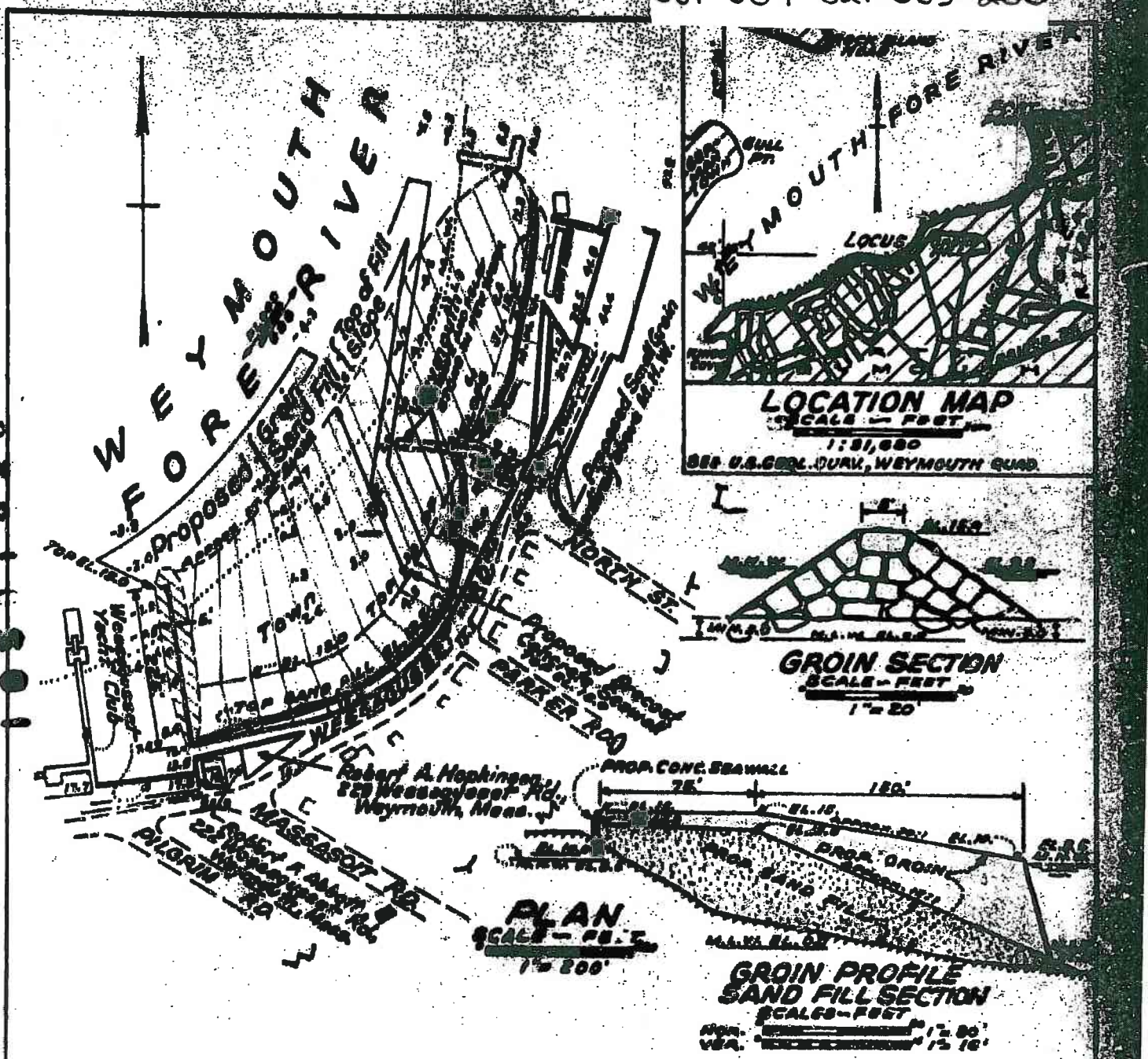


NOTE
ELEVATIONS ARE IN FEET AND TENTHS ABOVE PLANE OF MEAN LOW WATER.
LOCATION OF WORK TO BE DONE IS SHOWN IN RED.

PROPOSED SEAWALL & FILLING
WEYMOUTH FORE RIVER
FORT POINT, WEYMOUTH — MASS.
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
OCTOBER, 1955

0 0 3 0 5 9 1

081-004-021-003-100
081-004-021-003-200



NOTE

ELEVATIONS ARE IN FEET AND TENTHS ABOVE PLANE OF MEAN LOW WATER. MINUS FIGURES SHOW DEPTHS BELOW THE SAME PLANE.
APPROX. EXISTING GROUND THIS SYSTEM.
SIDE AND END SLOPES OF GROIN 1:3 TO 1:2.
LOCATION PROPOSED WORK IN RED.
A 42" CORR. METAL DRAIN PIPE NOT SHOWN, IS ENCLOSED LENGTHWISE WITHIN THE GROIN. INV. AT OUTER END EL. 2.0. END DOES NOT EXTEND APPRECIABLE DISTANCE BEYOND END OF GROIN.

PROPOSED
GROIN, SEAWALL AND SAND FILL
VICINITY OF WESSAGUSSET BCH.
WEYMOUTH FORE RIVER
WEYMOUTH — MASS.

APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
DECEMBER - 1958

Robert B. MacKenzie
CHIEF WATERWAYS ENGINEER

0 8 2 1 0 1 1

081-004-021-003-100

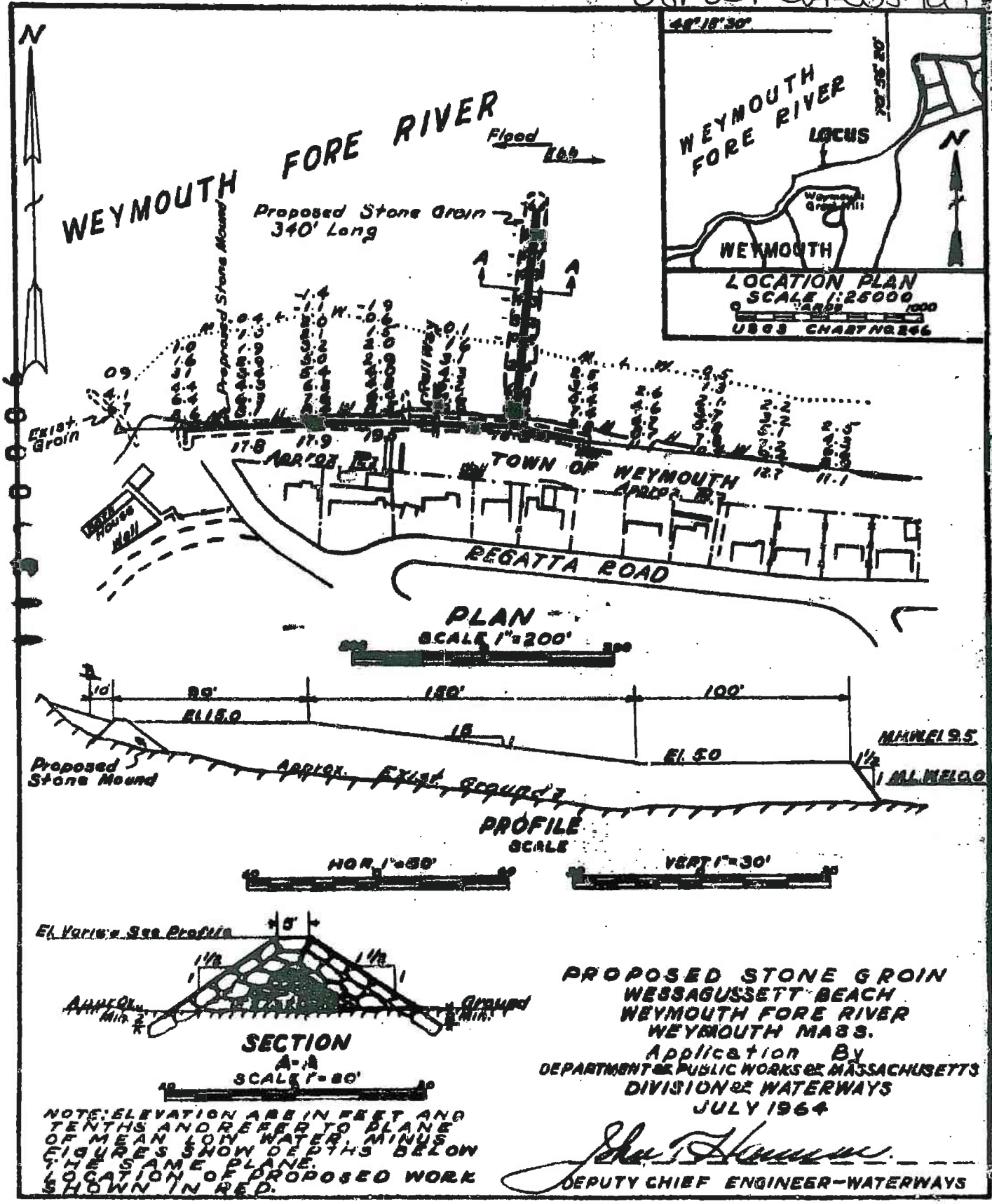
NOTE:
ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE PLANE OF MEAN LOW WATER. MINUS FIGURES INDICATE SOUNDINGS BELOW THE SAME PLANE. APPROX. EXISTING GROUND THUS ..... SIDE AND END SLOPES FOR GROIN AND LOCATION OF PROPOSED WORK SHOWN IN RED.

PROPOSED
STONE GROIN AND SAND FILL
VICINITY OF WESSAGUSSET BEACH
WEYMOUTH FORE RIVER
WEYMOUTH — MASS.
APPLICATION BY
DEPARTMENT of PUBLIC WORKS of MASSACHUSETTS
DIVISION of WATERWAYS
MAY — 1960

Robert B. MacKenzie
Chief Waterways Engineer

075 0178

081-004-021-003-100

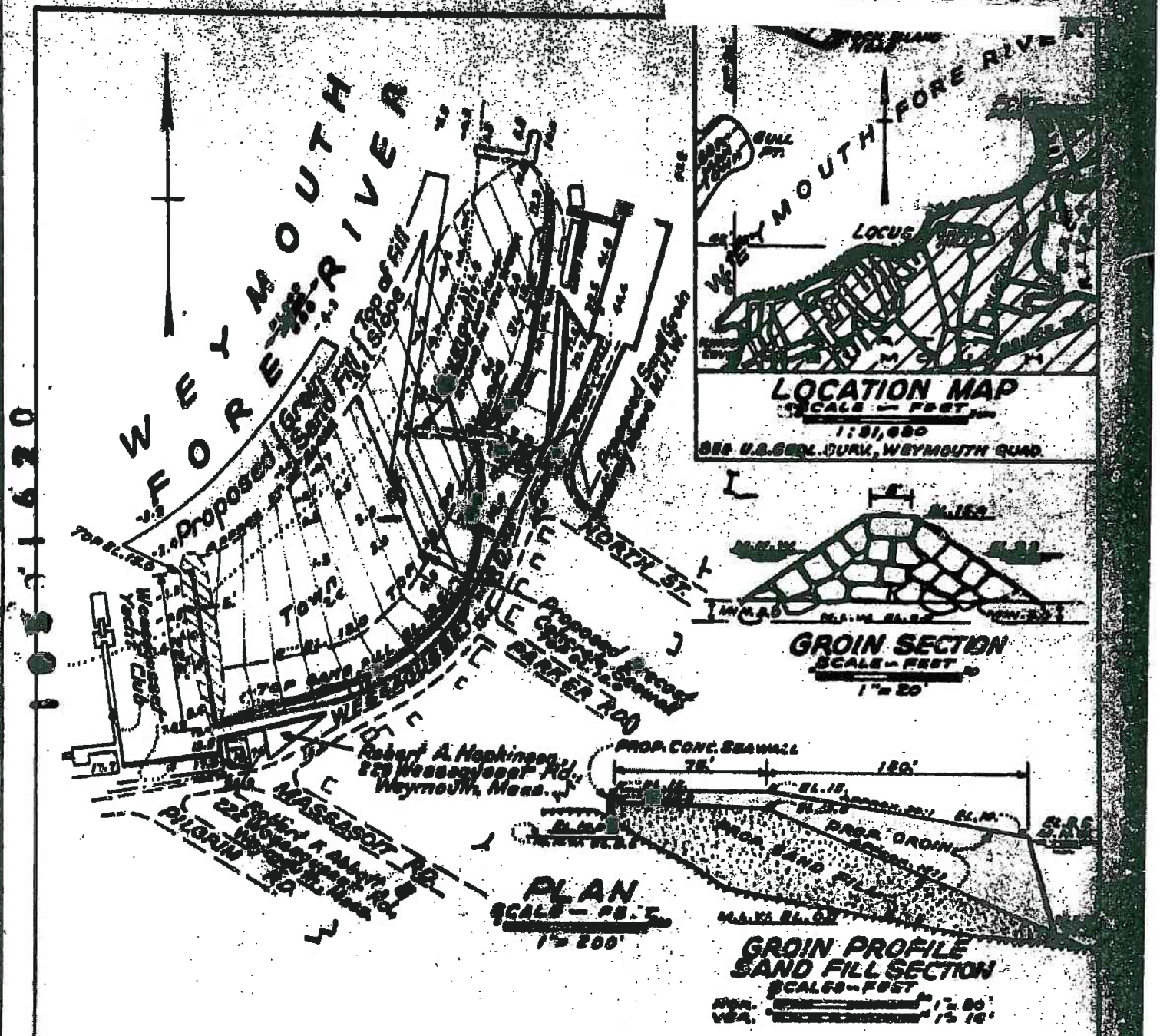


PROPOSED STONE GROIN
WESSAGUSSETT BEACH
WEYMOUTH FORE RIVER
WEYMOUTH MASS.
Application By
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
JULY 1964

John T. Hannon
DEPUTY CHIEF ENGINEER-WATERWAYS

0053 0591

081-004-021-003-100
081-004-021-003-200



NOTE

ELEVATIONS ARE IN FEET AND TENTHS ABOVE PLANE OF MEAN LOW WATER. MINUS FIGURES SHOW DEPTHS BELOW THE SAME PLANE.
APPROX. EXISTING GROUND THUS.
SIDE AND END SLOPES OF GROIN 1:5 TO 1:3.
LOCATION PROPOSED WORK IN RED.
A 42" CORR. METAL DRAIN PIPE NOT SHOWN, IS ENCLOSED LENGTHWISE WITHIN THE GROIN. INV. AT OUTER END EL. 2.0. END DOES NOT EXTEND APPRECIABLE DISTANCE BEYOND END OF GROIN.

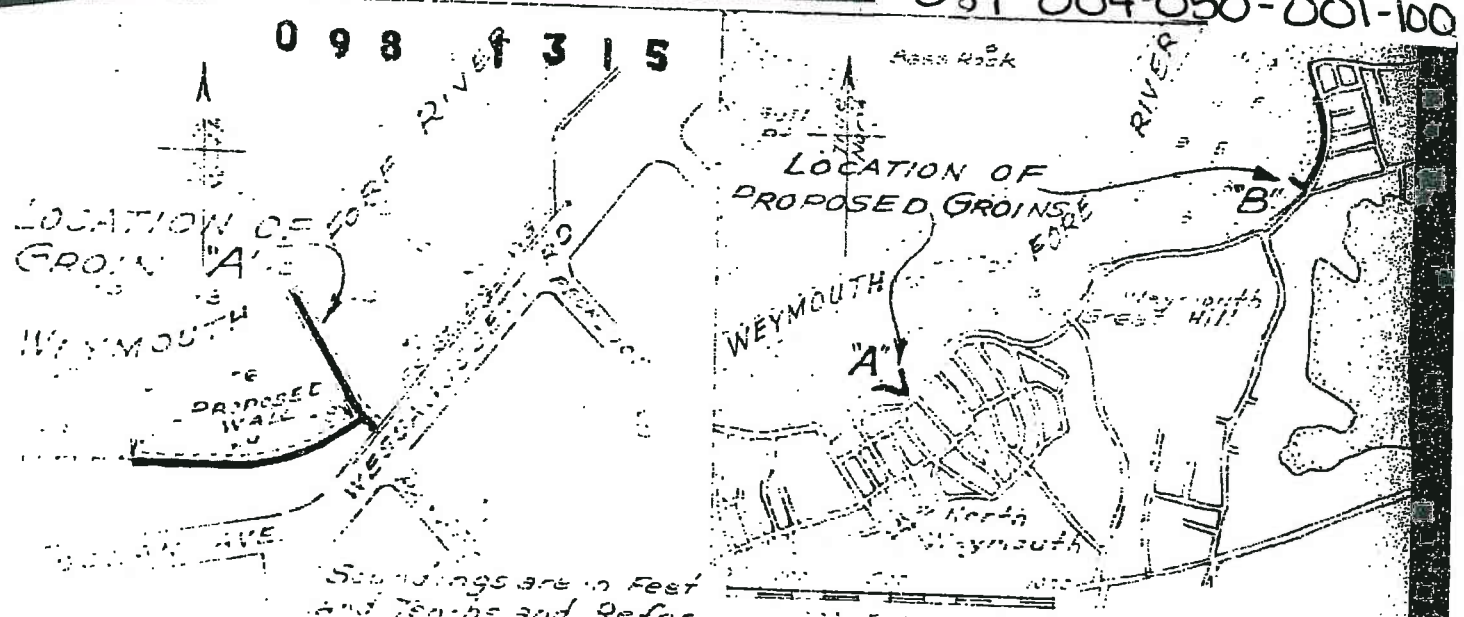
PROPOSED
GROIN, SEAWALL AND SAND FILL
VICINITY OF WESSAGUSSET BCH.
WEYMOUTH FORE RIVER
WEYMOUTH — MASS.
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
DECEMBER - 1958

Robert B. MacKenzie
CHIEF WATERWAYS ENGINEER

081-004-050-001-100

0 9 8 f 3 1 5

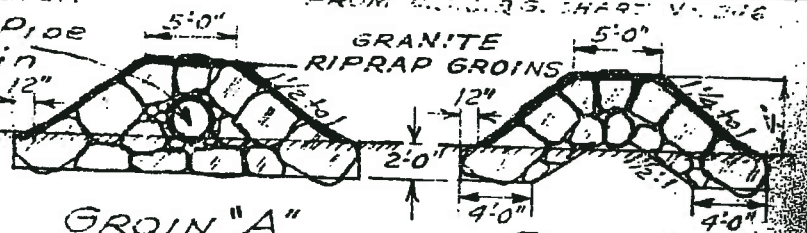
0 9 4 0 3 2 3 6



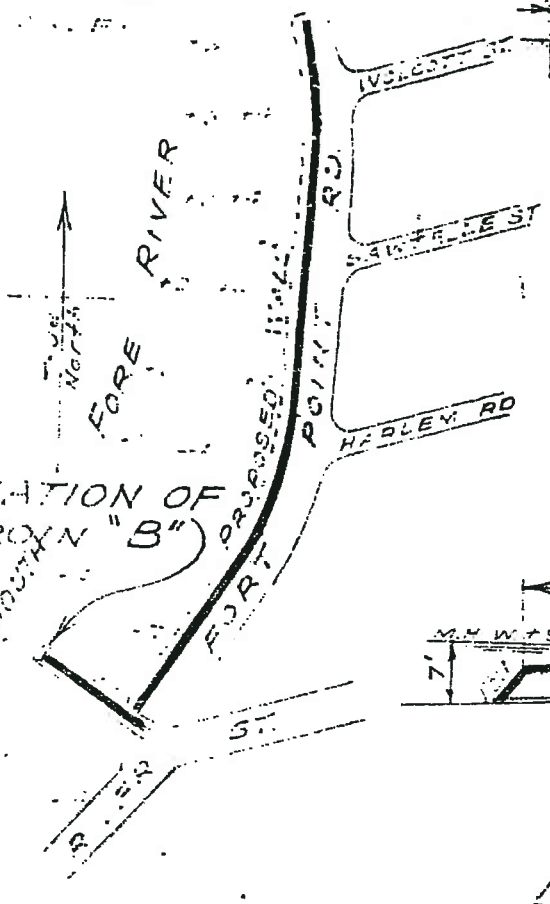
Soundings are in Feet and Tenths and Refer to Mean Low Water

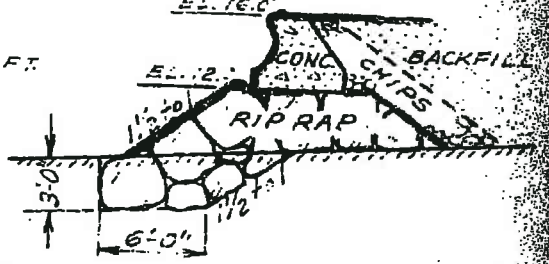
PLAN

24" Conc. Pipe Thru Groin

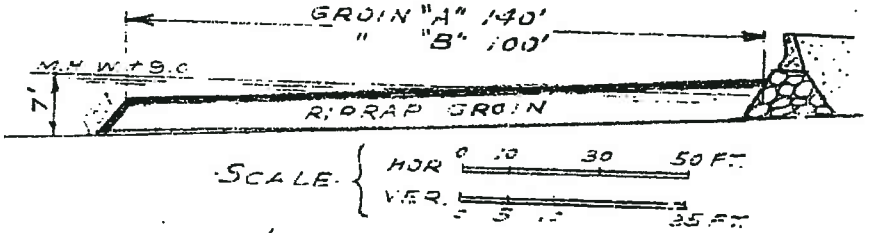


SECTION THRU GROIN





SECTION THRU WALL



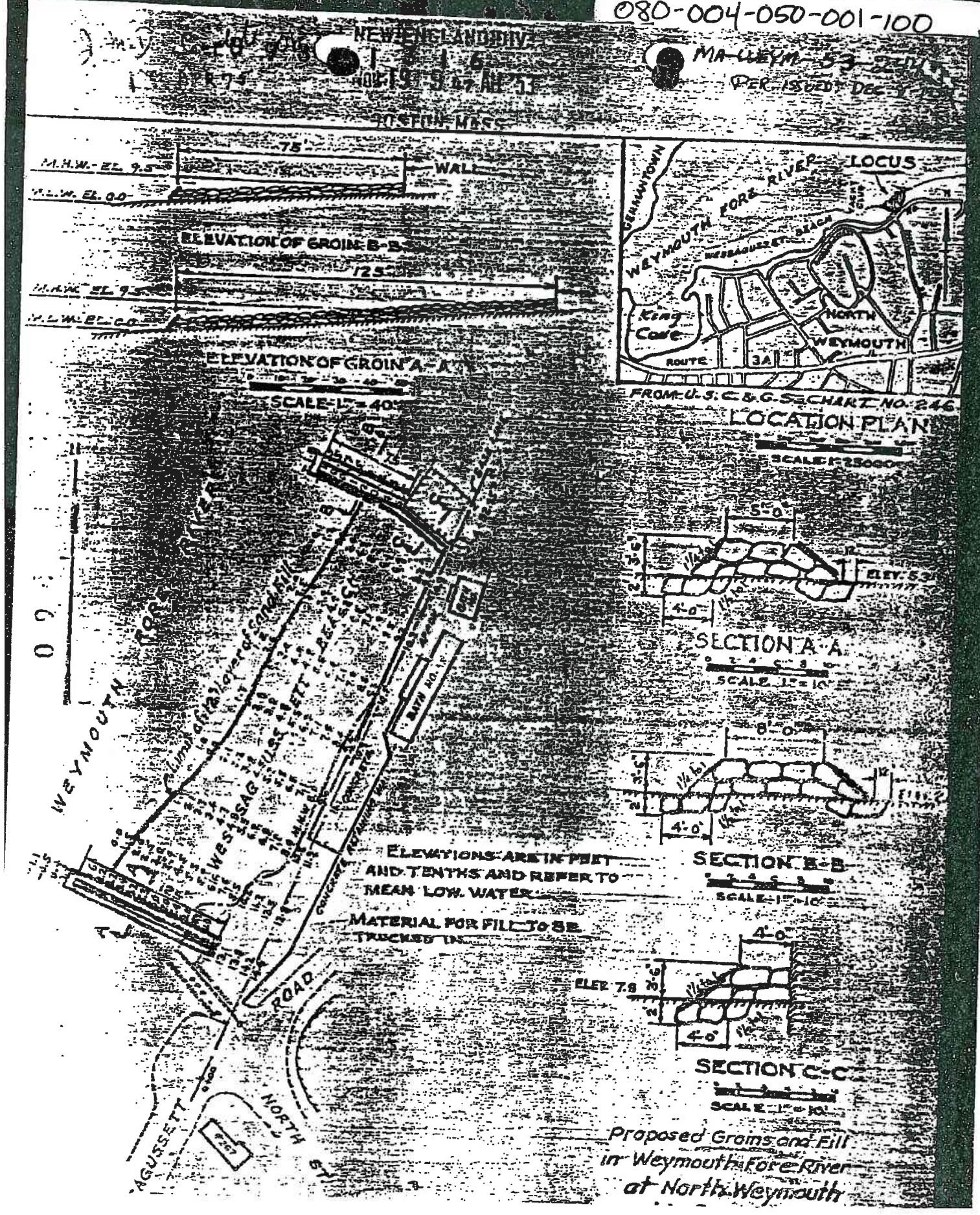
LONGITUDINAL SECTION.

PROPOSED GROINS IN WEYMOUTH FORE RIVER

Application by WEYMOUTH PORT OF BOSTON AUTHORITY

February 24, 1948.

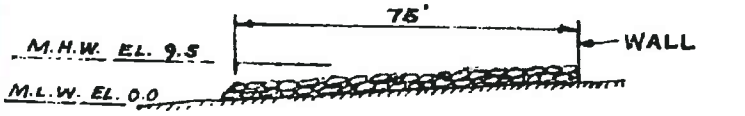
080-004-050-001-100



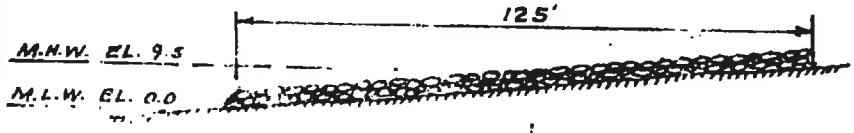
Proposed Groins and Fill
in Weymouth Fore River
at North Weymouth

0 9 3 1 0 9 5

081-004-050-001-100

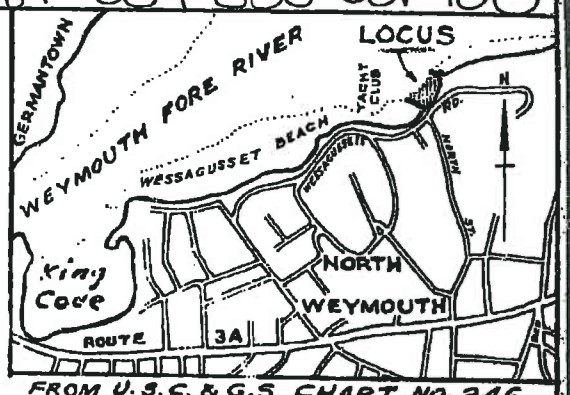


ELEVATION OF GROIN B-B



ELEVATION OF GROIN A-A

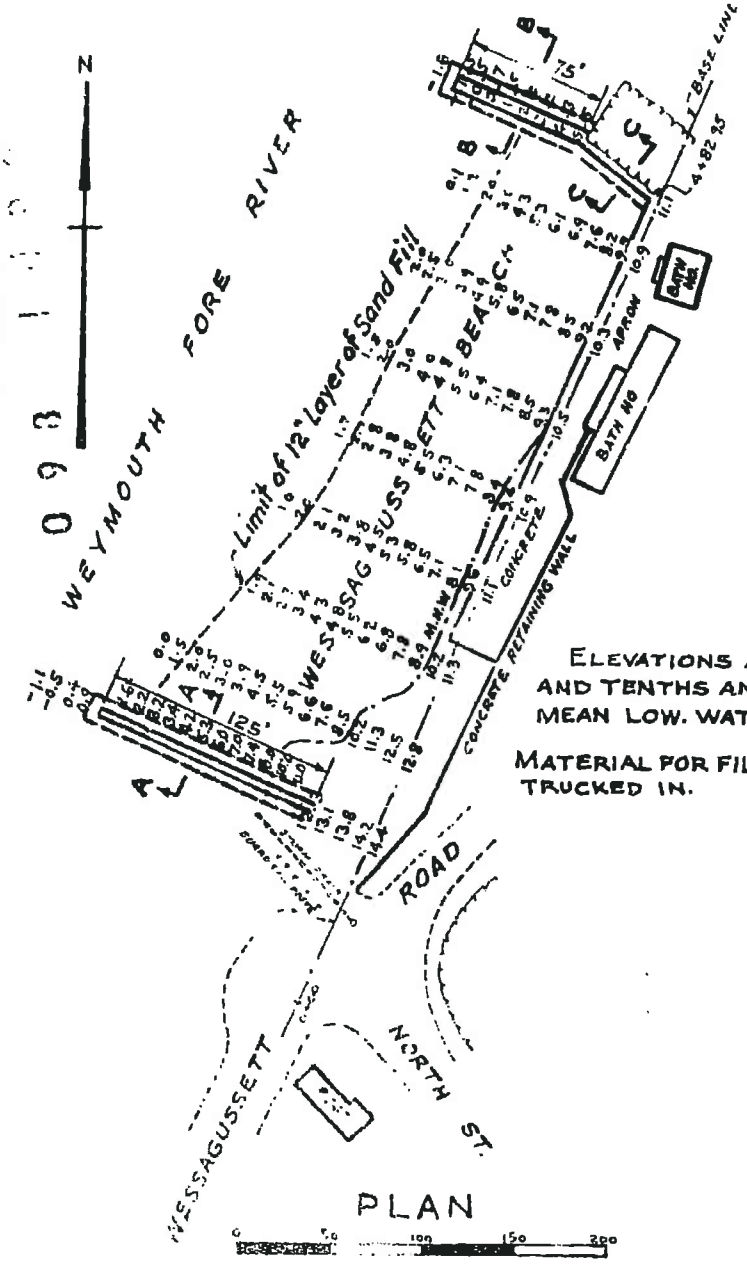
SCALE 1" = 40'



FROM U.S.C. & G.S. CHART NO. 246

LOCATION PLAN

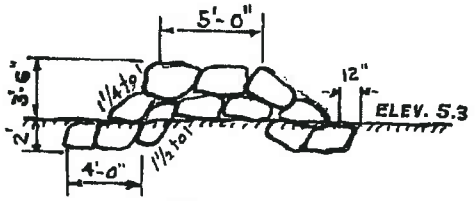
SCALE 1:25000



PLAN

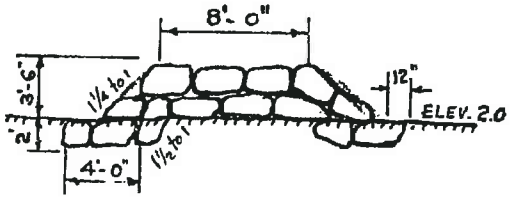
ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW. WATER.

MATERIAL FOR FILL TO BE TRUCKED IN.



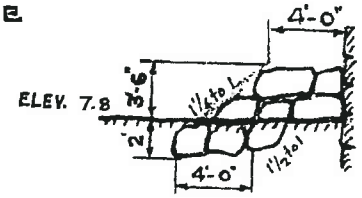
SECTION A-A

SCALE 1" = 10'



SECTION B-B

SCALE 1" = 10'



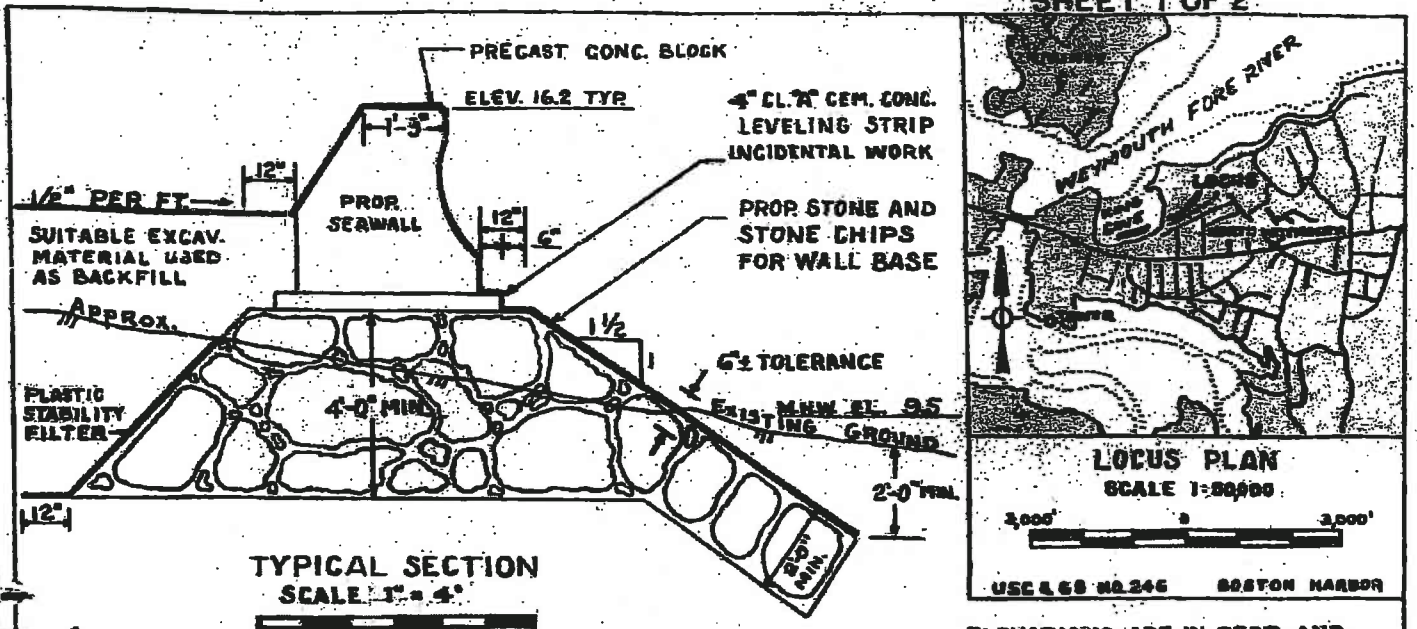
SECTION C-C

SCALE 1" = 10'

Proposed Groins and Fill
in Weymouth Fore River
at North Weymouth
County of Norfolk, Mass.
Application by Port of Boston Commission

081-006-062-031-100
081-006-062-031-200

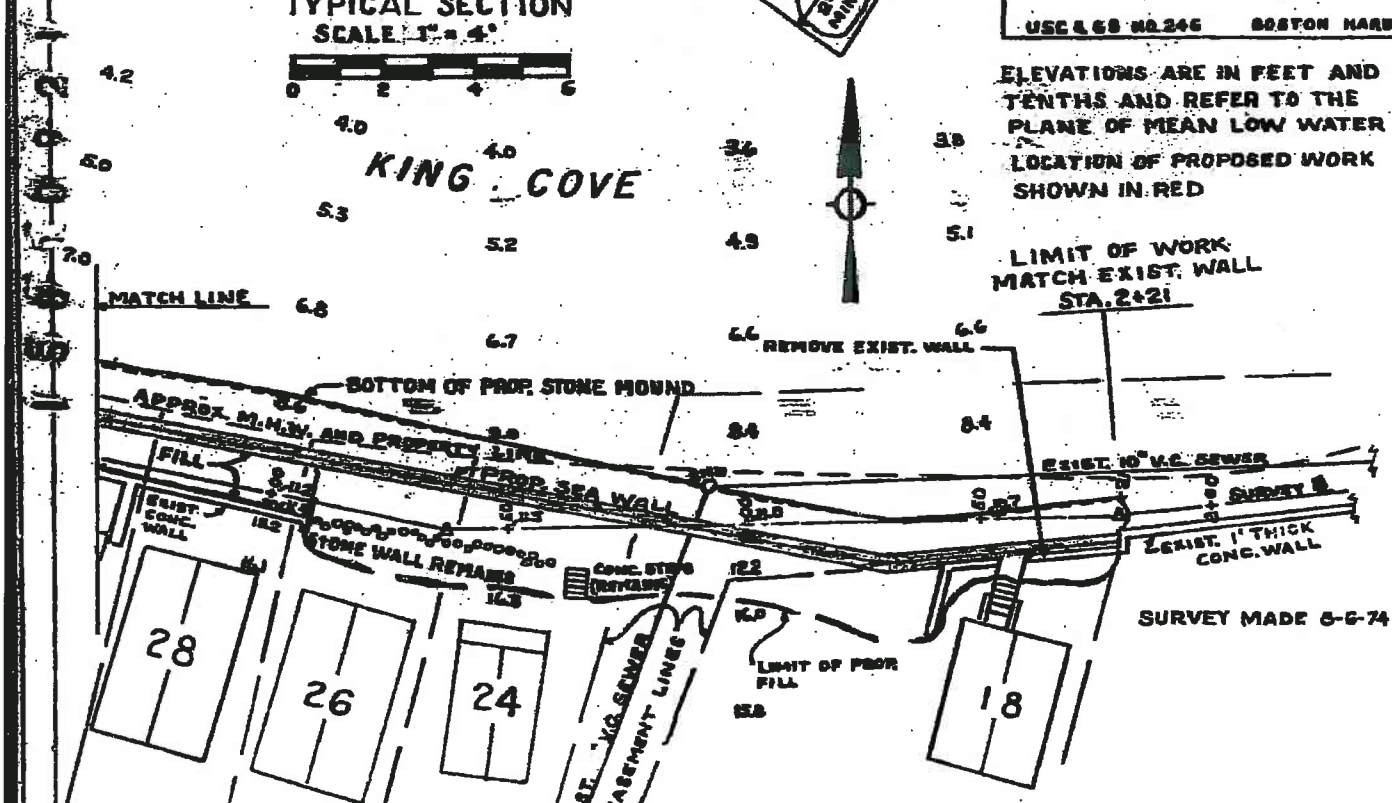
SHEET 1 OF 2



TYPICAL SECTION
SCALE 1" = 4'
0 2 4 6

LOCUS PLAN
SCALE 1:80,000
2,000' 0 2,000'
USC & GS NO. 246 BOSTON HARBOR

ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE PLANE OF MEAN LOW WATER
LOCATION OF PROPOSED WORK SHOWN IN RED



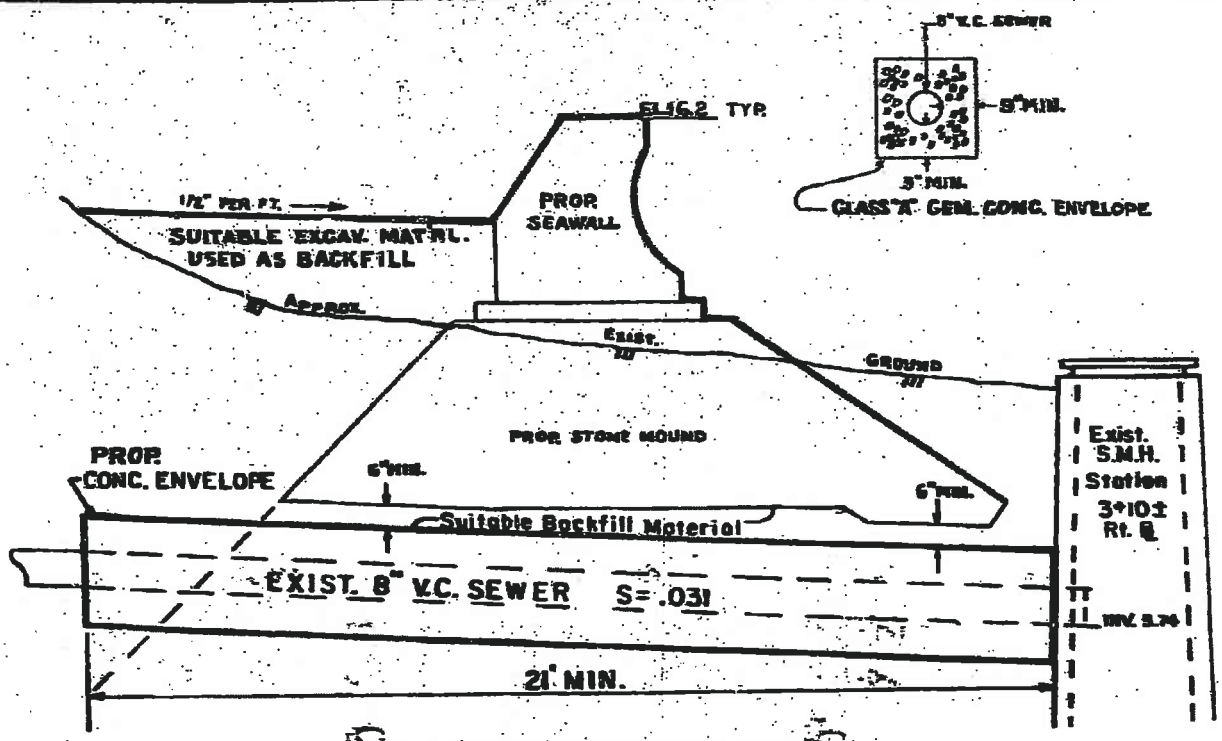
PLAN
SCALE 1" = 40'
20 0 20 40 60

PROPOSED SHORE PROTECTION
CONCRETE SEAWALL
KING COVE – FORE RIVER
WEYMOUTH
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
OCTOBER 1974

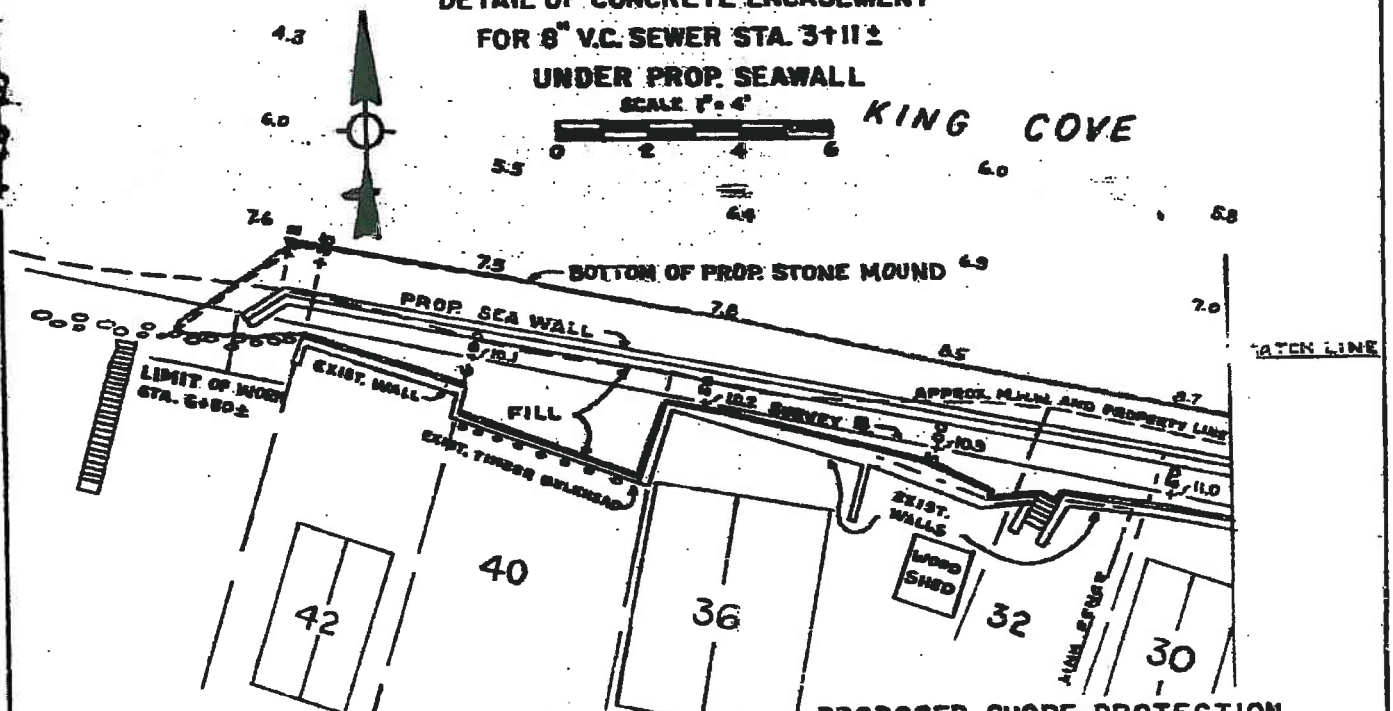
Norman L. Diegoli

081-006-062-031-100
081-006-062-031-200

SHEET 2 OF 2



DETAIL OF CONCRETE ENCASEMENT
FOR 8" V.C. SEWER STA. 3+11±
UNDER PROP. SEAWALL

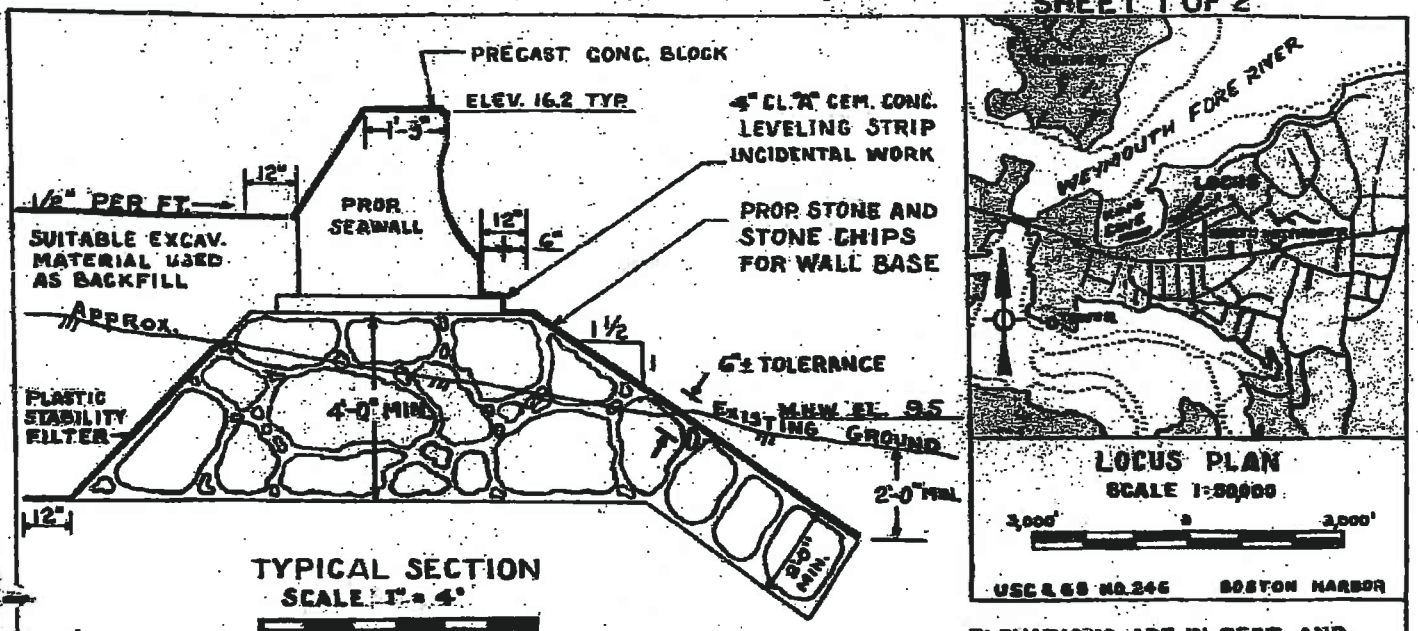


PLAN
SCALE 1"=40'
20 0 20 40 60
WEYMOUTH

PROPOSED SHORE PROTECTION
CONCRETE SEAWALL
KING COVE - FORE RIVER
WEYMOUTH
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS

081-006-062-031-100
081-006-062-031-200

SHEET 1 OF 2



TYPICAL SECTION
SCALE 1" = 4'
0 2 4 6

ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE PLANE OF MEAN LOW WATER
LOCATION OF PROPOSED WORK SHOWN IN RED

KING COVE

LIMIT OF WORK
MATCH EXIST. WALL
STA. 2+21

MATCH LINE

REMOVE EXIST. WALL

BOTTOM OF PROP. STONE MOUND

APPROX. M.H.W. AND PROPERTY LINE

PROP. SEA WALL

FILL

EXIST. 10" V.C. SEWER

SURVEY ℄

EXIST. CONC. WALL

STONE WALL REMAINS

CONC. STONE (RIPRAP)

EXIST. 1' THICK CONC. WALL

SURVEY MADE 8-6-74

28

26

24

18

EXIST. 10" V.C. SEWER EASEMENT LINES

LIMIT OF PROP. FILL

WEYMOUTH

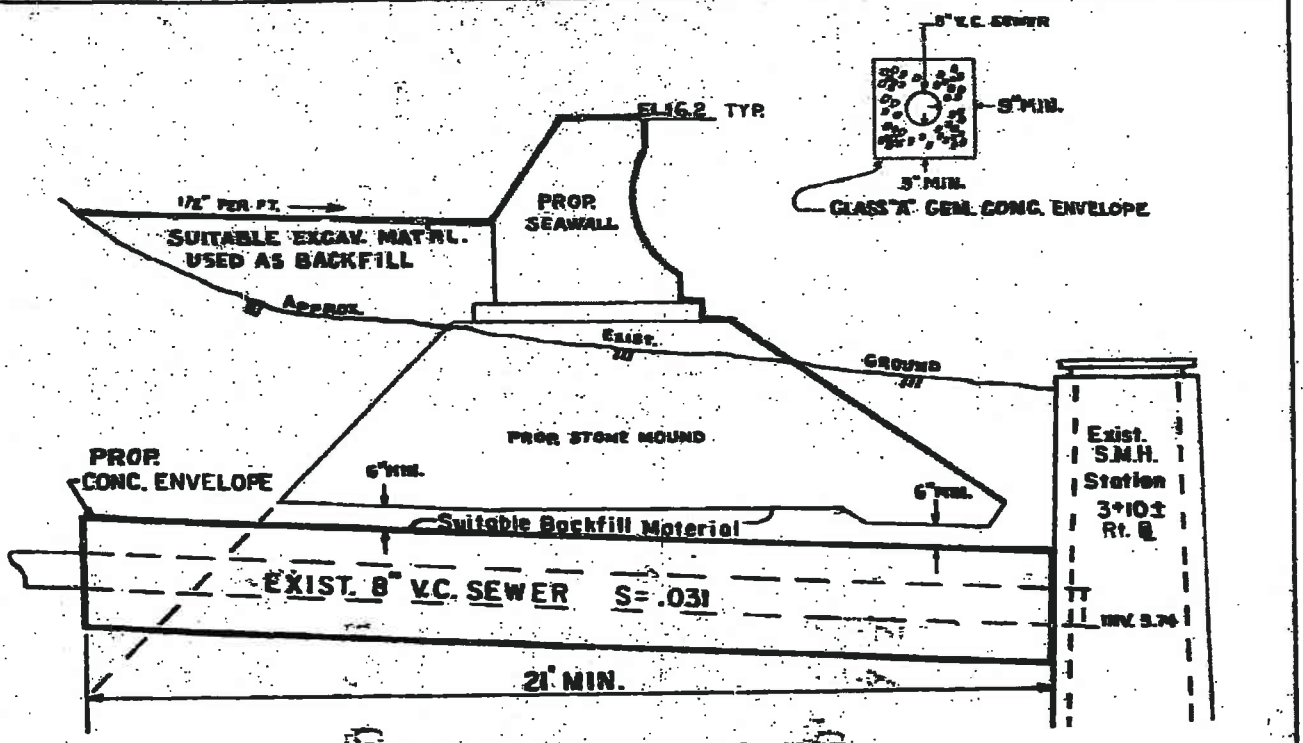
PLAN
SCALE 1" = 40'
20 0 20 40 60

PROPOSED SHORE PROTECTION
CONCRETE SEAWALL
KING COVE - FORE RIVER
WEYMOUTH
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
OCTOBER 1974

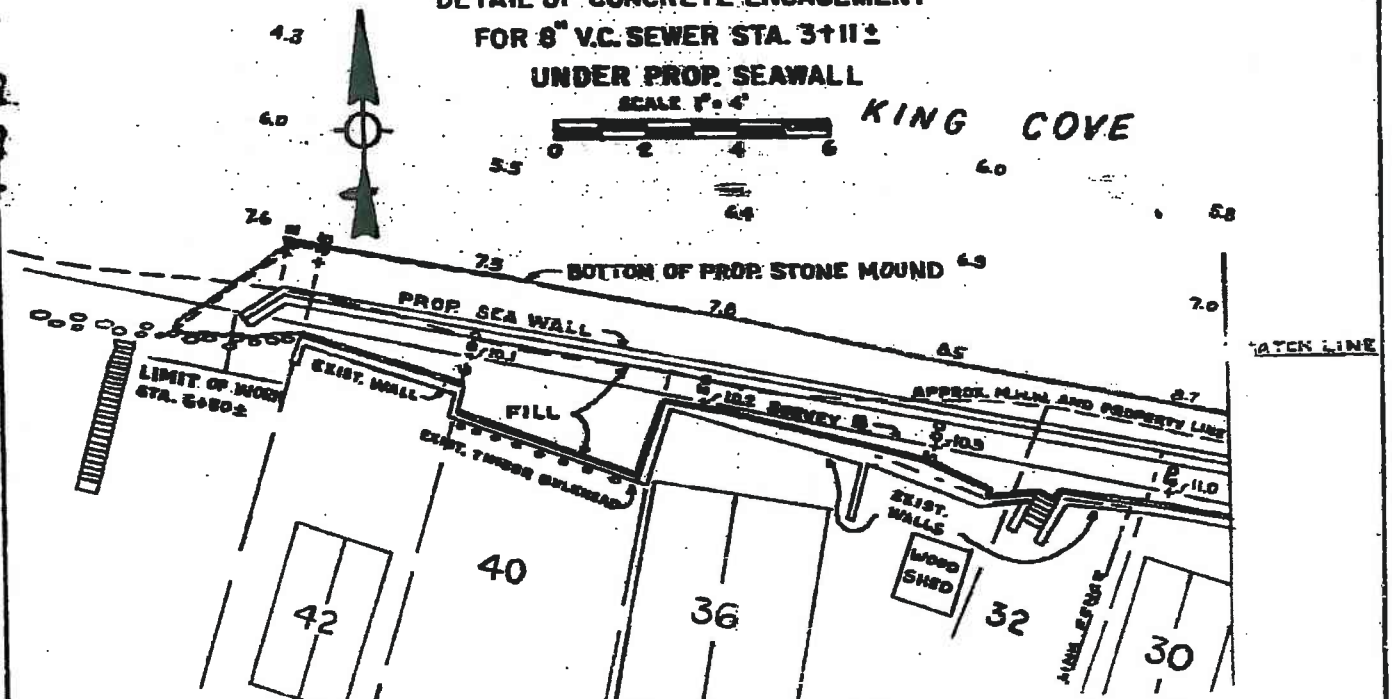
Norman L. Diegoli
CHIEF ENGINEER AND WATERWAYS

081-006-062-031-100
081-006-062-031-200

SHEET 2 OF 2



DETAIL OF CONCRETE ENCASEMENT
FOR 8" V.C. SEWER STA. 3+11±
UNDER PROP. SEAWALL
SCALE 1"=4'

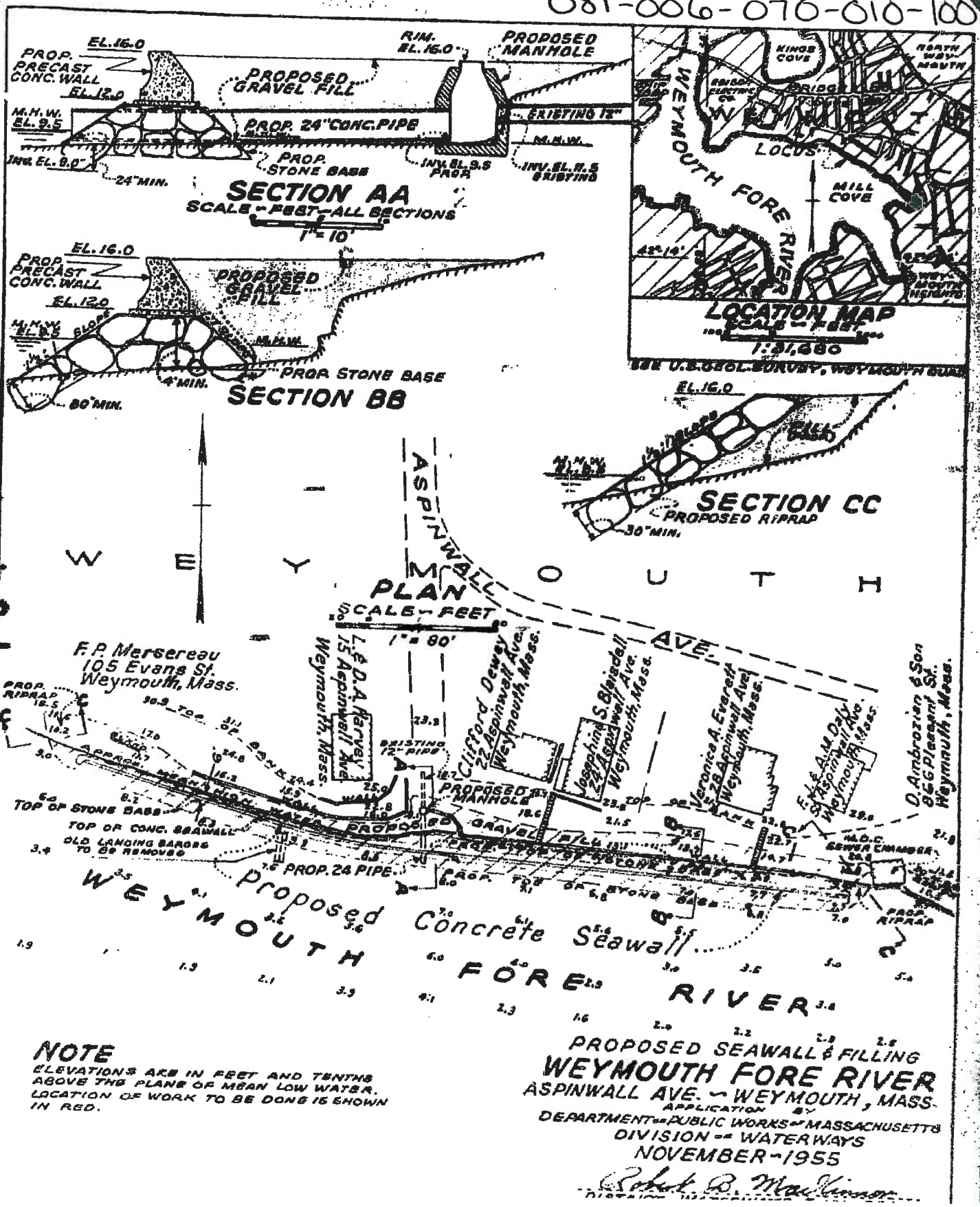


PLAN
SCALE 1" = 40'
20 0 20 40 60

WEYMOUTH

PROPOSED SHORE PROTECTION
CONCRETE SEAWALL
KING COVE - FORE RIVER
WEYMOUTH
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS

081-006-070-010-100



NOTE
ELEVATIONS ARE IN FEET AND TENTHS ABOVE THE PLANE OF MEAN LOW WATER. LOCATION OF WORK TO BE DONE IS SHOWN IN RED.

PROPOSED SEAWALL & FILLING
WEYMOUTH FORE RIVER
ASPINWALL AVE. — WEYMOUTH, MASS.
APPLICATION BY
DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS
DIVISION OF WATERWAYS
NOVEMBER - 1955

Robert B. MacKinnon
DIRECTOR