

DREDGING PROJECTS, SHOALING HISTORY AND DREDGING PROPOSALS

There have been 11 dredging licenses issued within the proposed ACEC at various times by the DEQE Division of Wetlands and Waterways and predecessor agencies. They are as follows:

## CHATHAM

Private	John Summers	1949	Ryders Cove Boatyard ✓
	John Summers	1963	Ryders Cove Boatyard

## HARWICH

Public	Town of Harwich	1982	Round Cove Channel
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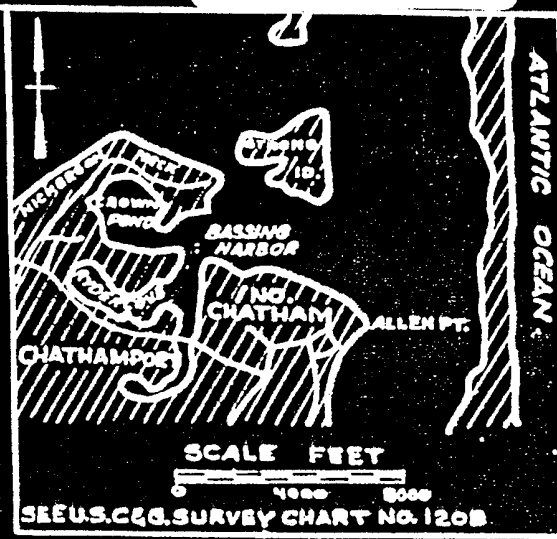
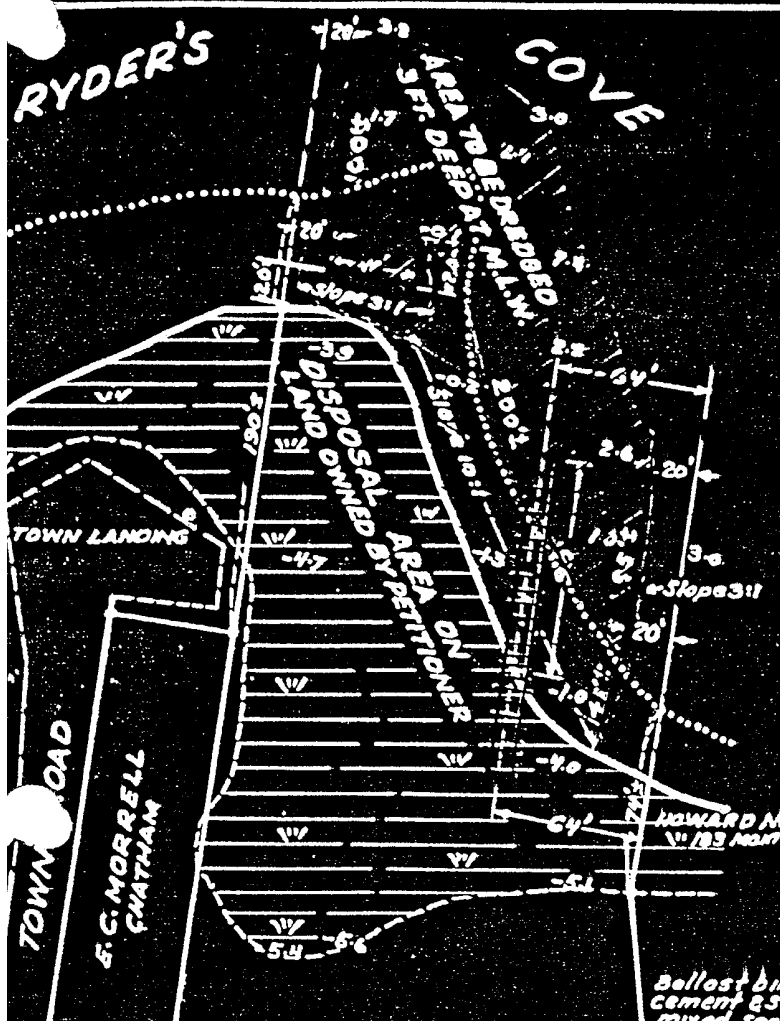
## ORLEANS

Public	Town of Orleans	1959	Kascayoganset Entrance Channel ✓
	Town of Orleans	1959	Namequoit River
	Town of Orleans	1959	Paw Wah Pond Channel ✓
	Town of Orleans	1959	The Narrows North Entrance ✓
	Town of Orleans	1959	Quanset Pond Channel
	Town of Orleans	1975	The Narrows North Entrance
Private	Charles Campbell	1962	Meetinghouse Pond at Boatyard
	East Orleans Boatyard	1970	Meetinghouse Pond at Boatyard

Plans of these projects follow.

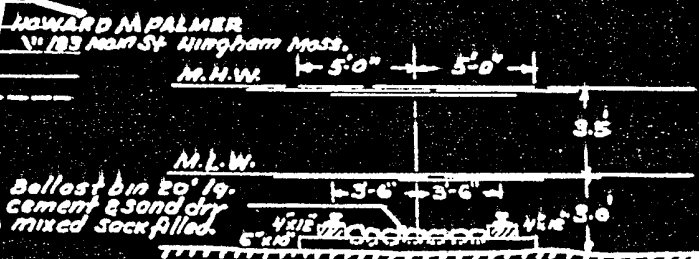
Shoaling in the Bay is shown on the two charts which follow the dredging plans. Specific locations are noted on the Massachusetts Department of Public Works Division of Waterways chart of 1924 and the NOAA chart of 1971. Review of the six foot depth curves on the two charts will identify many other changes.

In the 1960 period the U.S. Corps of Engineers made extensive studies of Chatham Harbor, the Cut-Through to Nantucket Sound, and Pleasant Bay. The end product was a proposal to cut a new channel through Nauset Beach about opposite the Lighthouse. Substantial jetties would extend into the Atlantic and a sand trap would be created northerly of the north jetty. Sand would be pumped across the channel from time to time to the south side to provide nourishment for the beach to the south. The plan also provided for dredging the channels to all the tributary ponds as far as Meetinghouse Pond. This plan was never carried out. The plan is shown at the end of this appendix.

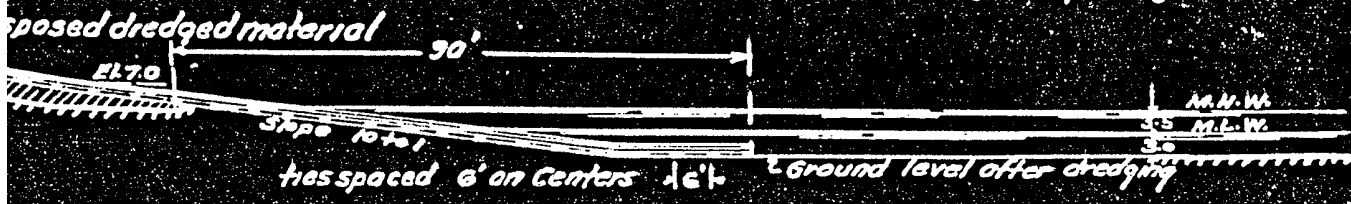


**NOTE**  
Soundings are in feet and tenths and show depths below the plane of a local mean low water MINUS figures show elevations above the same plane.  
**PROPOSED WORK SHOWN IN RED**

**PLAN**  
SCALE FEET  
0 500 1000



**TYPICAL SECTION**  
SCALE FEET



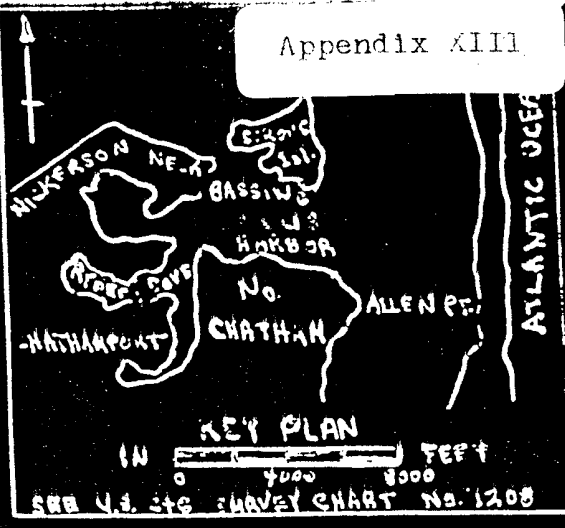
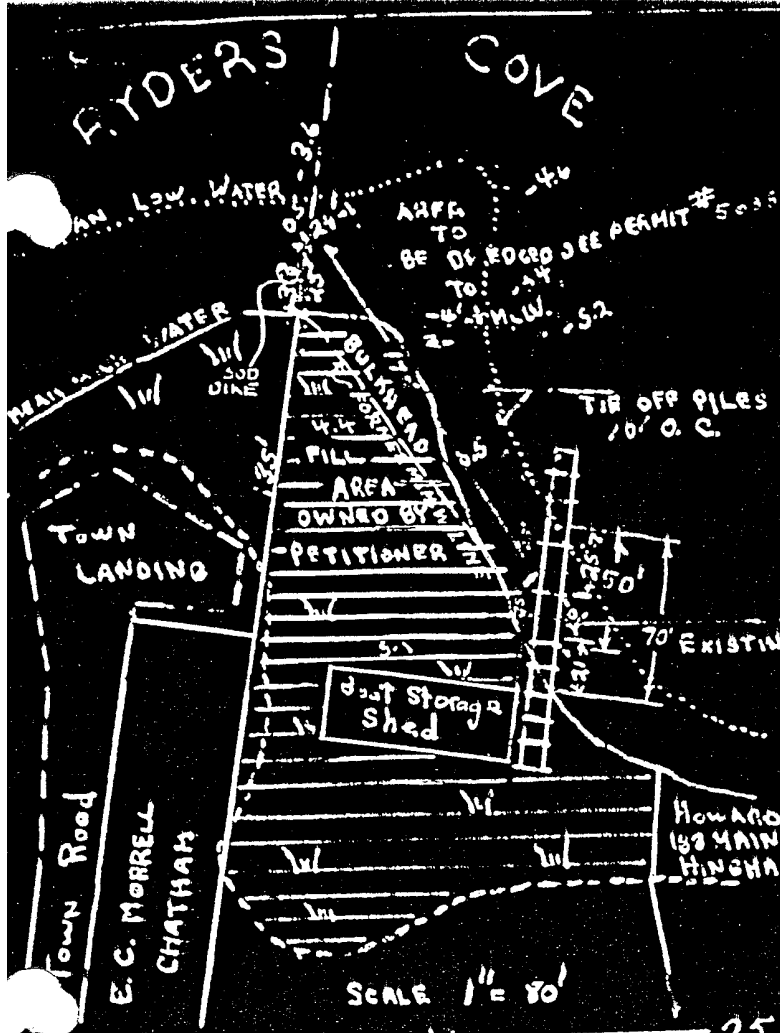
**ELEVATION**  
SCALE FEET  
0 10 20 30

PLAN TO ACCOMPANYING PETITION OF  
**JOHN SUMMERS**  
BUILD AND MAINTAIN A MARINE RAILWAY  
AND DREDGE IN  
**RYDER'S COVE**  
AT  
**CHATHAM**

NO. 3192  
APPROVED BY DEPARTMENT OF PUBLIC WORKS  
DECEMBER 6, 1949

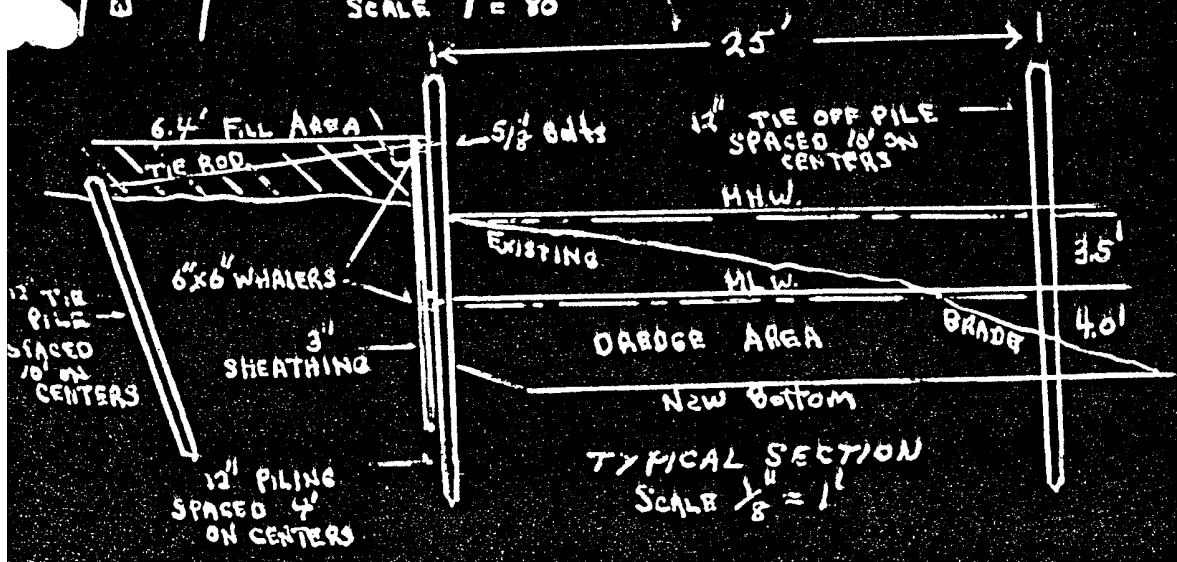
*U.S. F. Chaboyan*  
*Q. D. Hunt*

COMMISSIONER OF PUBLIC WORKS  
ASSOCIATE



NOTE  
SOUNDINGS ARE IN FEET AND TENTHS  
OF FEET FROM THE PLANE OF MEAN  
LOW WATER.

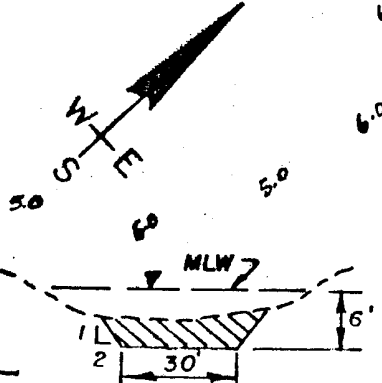
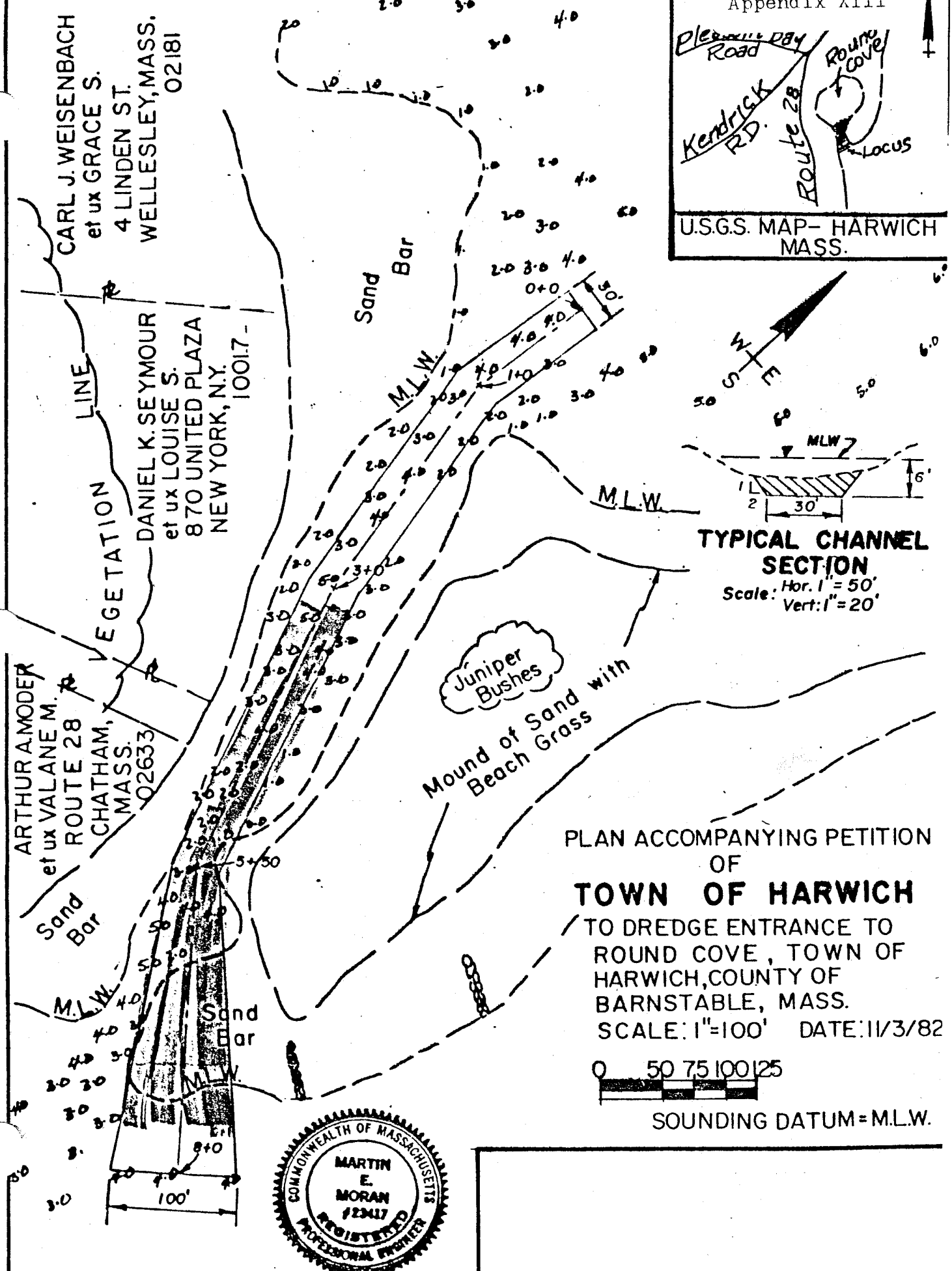
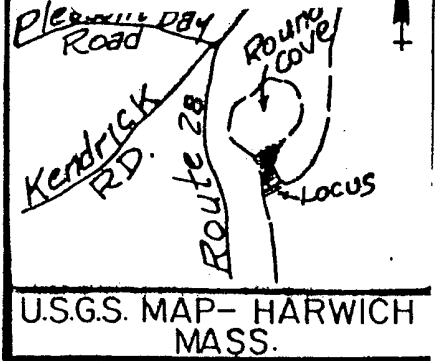
PROPOSED WORK SHOWN IN  
RED.



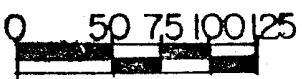
PLAN TO ACCOMPANYING PETITION OF  
**JOHN SUMMERS**  
TO BUILD AND MAINTAIN A BULKHEAD AND  
TIE OFF PILES AND DREDGE AND FILL IN  
RYDERS COVE  
AT  
CHATHAM  
1963

LICENSE PLAN NO 4674  
APPROVED BY DEPARTMENT OF PUBLIC WORKS  
APRIL 16, 1963

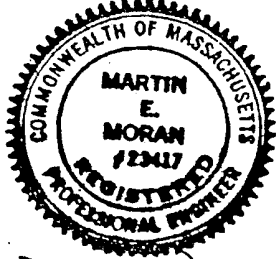
*George C. Townsend* COMMISSIONER OF PUBLIC WORKS  
*Charles E. Jones* ASSOCIATE COMMISSIONER  
*Robert J. Bennett* DIRECTOR DIVISION OF WATERWAYS



PLAN ACCOMPANYING PETITION  
OF  
**TOWN OF HARWICH**  
TO DREDGE ENTRANCE TO  
ROUND COVE, TOWN OF  
HARWICH, COUNTY OF  
BARNSTABLE, MASS.  
SCALE: 1"=100' DATE: 11/3/82



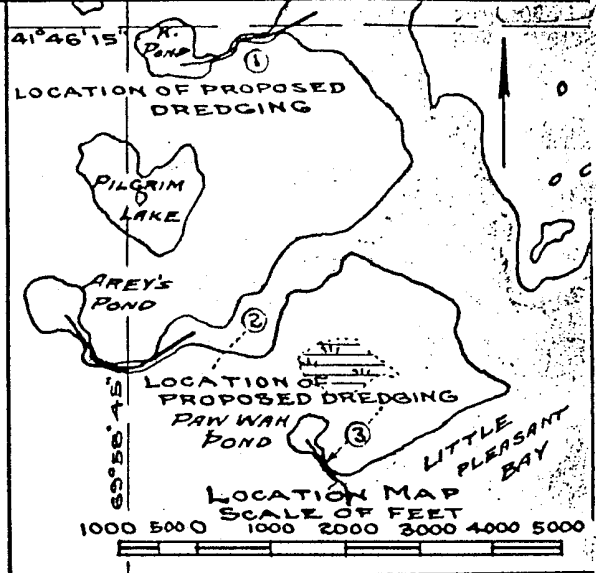
SOUNDING DATUM=M.L.W.



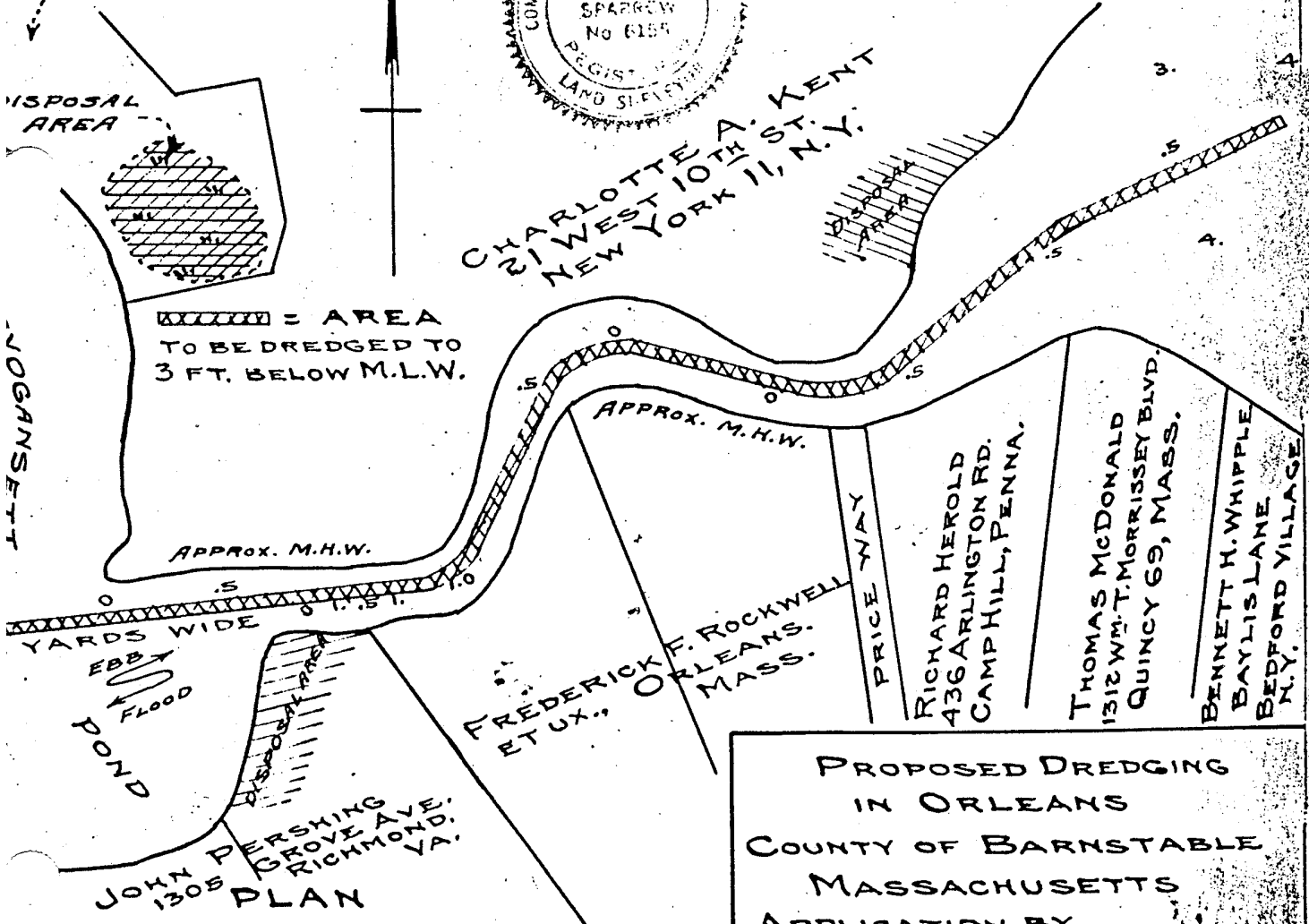
PROXIMATELY 2600 CUBIC YARDS TO BE EDGED.

OUNDINGS ARE IN FEET AND TENTHS ID REFER TO MEAN LOW WATER.

ARLES J. HILLETUX.  
31 CRESCENT ST.  
ORTHAMPTON, MASS.



FROM GEOLOGICAL MAP



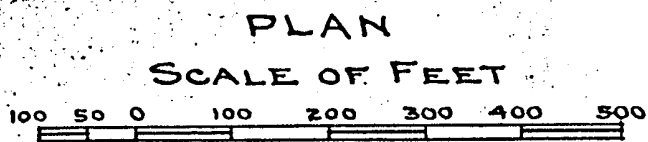
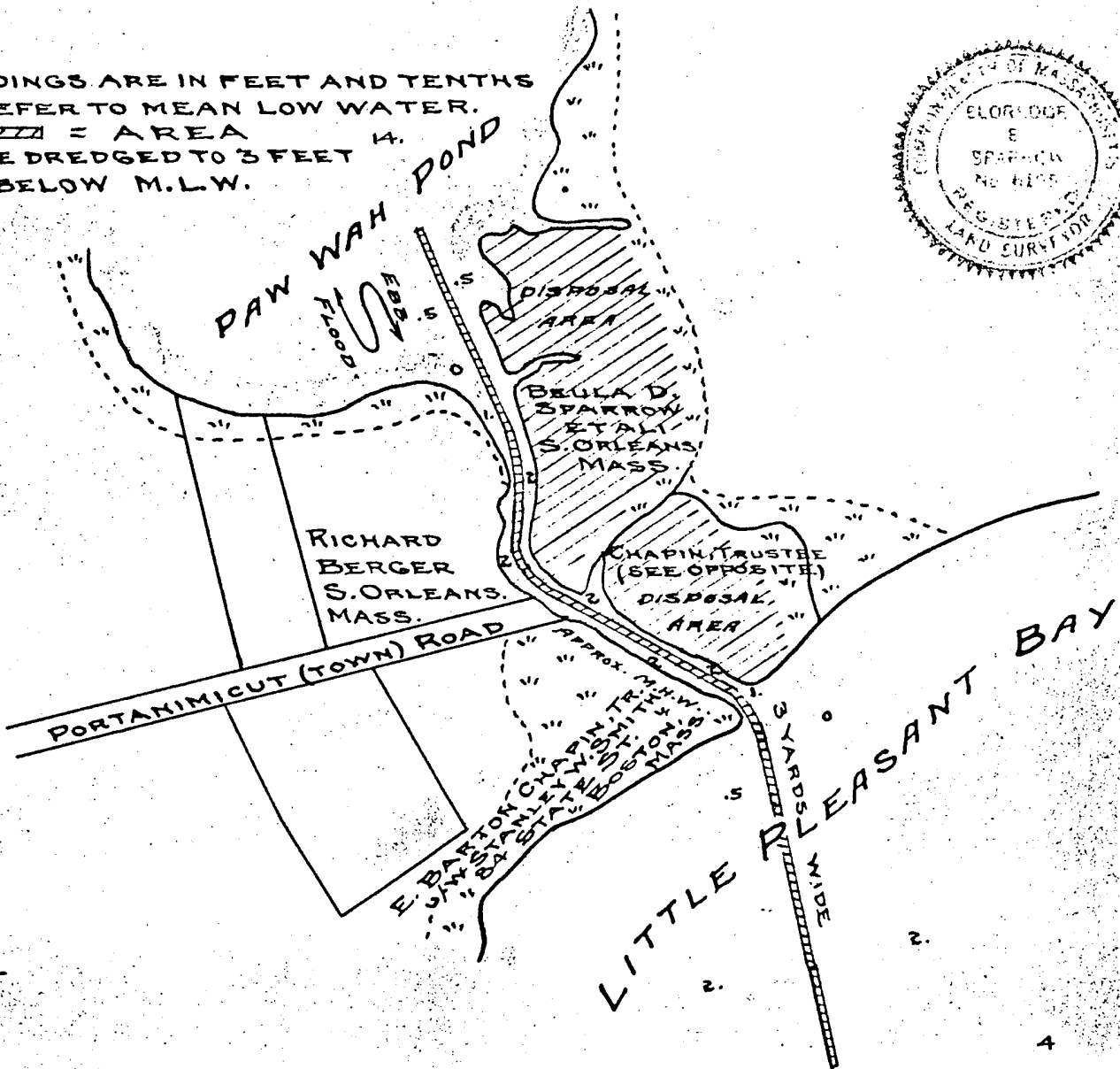
PROPOSED DREDGING  
IN ORLEANS  
COUNTY OF BARNSTABLE  
MASSACHUSETTS  
APPLICATION BY  
TOWN OF ORLEANS  
ARTHUR L. SPARROW Co., ENGINEERS  
APRIL 1959

APPROXIMATELY 1400 CUBIC YARDS TO BE DREDGED.

SEE PLAN ON SHEET 1

SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER.

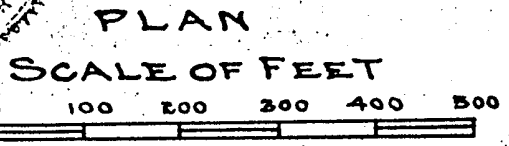
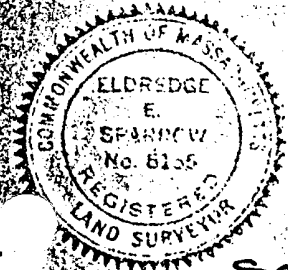
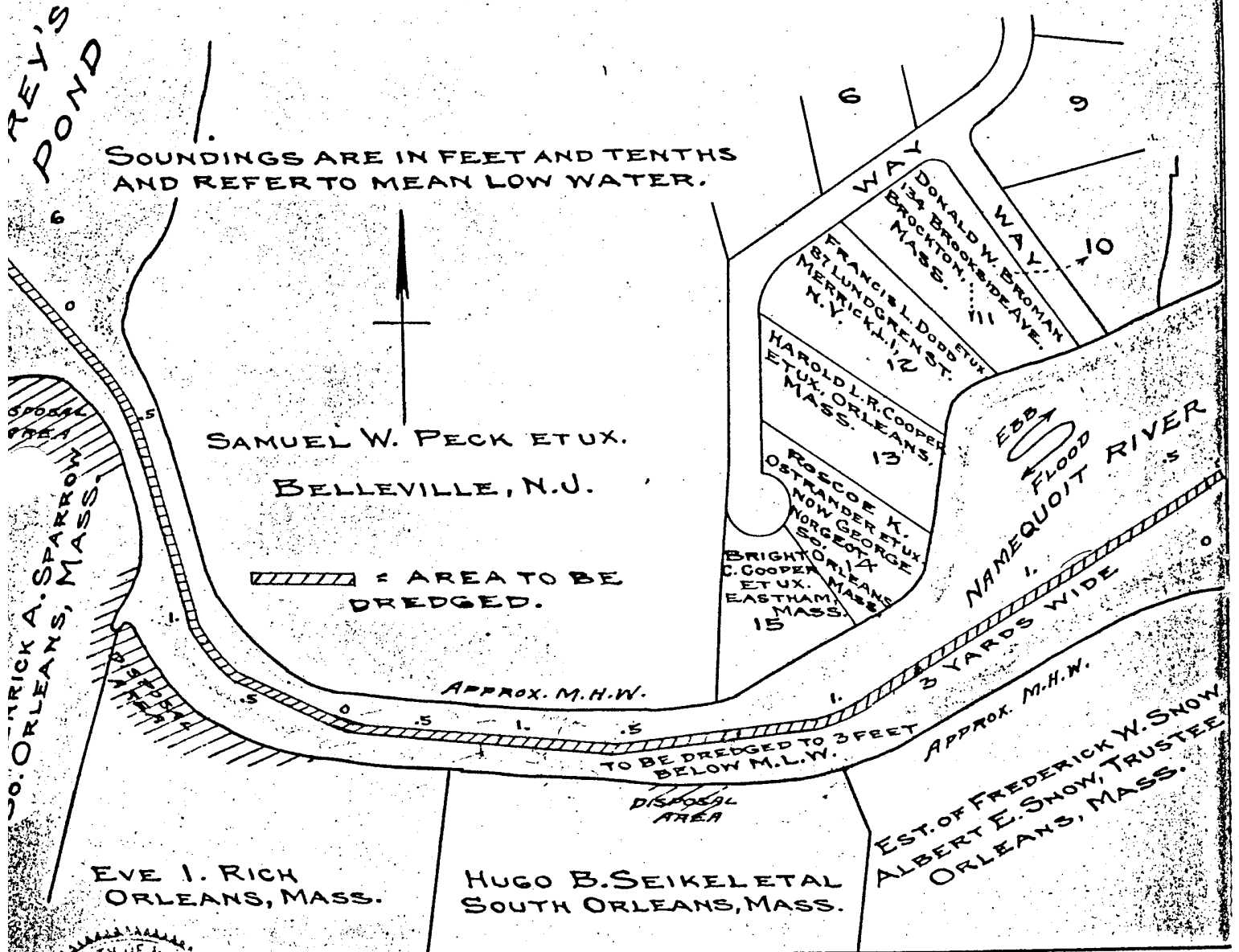
////// = AREA TO BE DREDGED TO 3 FEET BELOW M.L.W.



PROPOSED DREDGING IN ORLEANS COUNTY OF BARNSTABLE MASSACHUSETTS APPLICATION BY TOWN OF ORLEANS ARTHUR L. SPARROW CO. ENGINEERS APRIL 1959

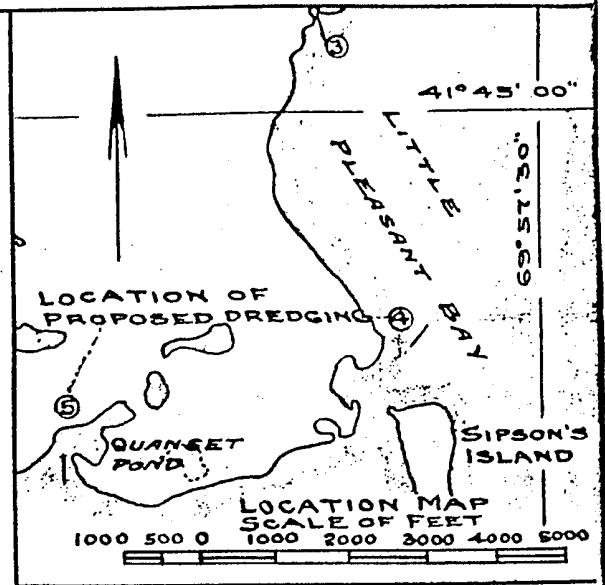
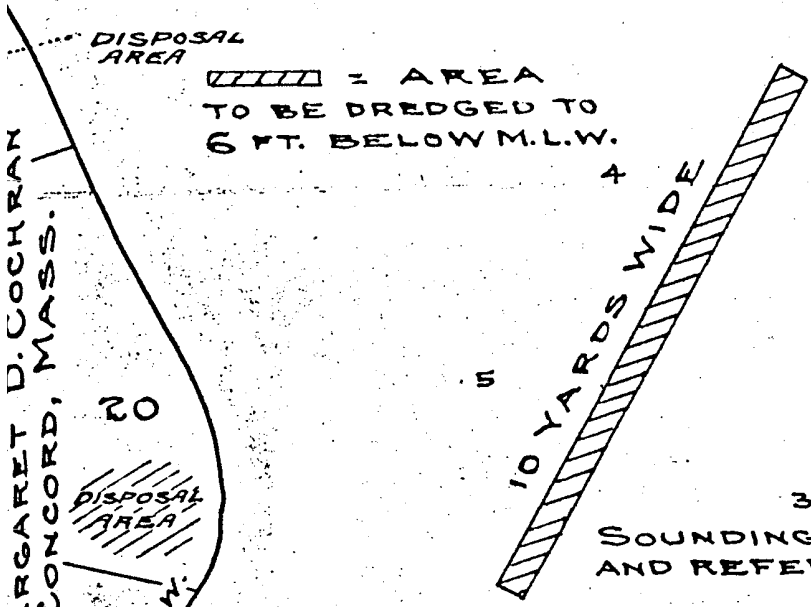
APPROXIMATELY 2000 CUBIC YARDS TO BE DREDGED.

SEE PLAN ON SHEET 1



PROPOSED DREDGING  
 IN ORLEANS  
 COUNTY OF BARNSTABLE  
 MASSACHUSETTS  
 APPLICATION BY  
 TOWN OF ORLEANS  
 ARTHUR L. SPARROW CO., ENGINEERS  
 APRIL 1955 #1976

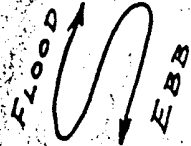
# LITTLE PLEASANT BAY 8



FROM GEOLOGICAL MAP

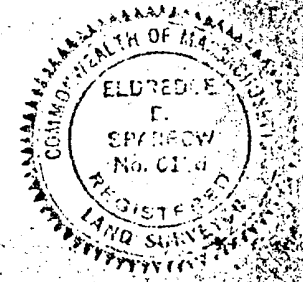
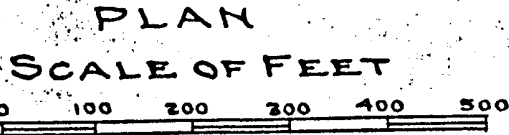
3  
SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER.

8  
APPROXIMATELY 3400 CUBIC YARDS TO BE DREDGED.



THE NARROWS

SIPSON'S ISLAND



PROPOSED DREDGING  
IN ORLEANS  
COUNTY OF BARNSTABLE  
MASSACHUSETTS  
APPLICATION BY  
TOWN OF ORLEANS  
ARTHUR L. SPARROW CO., ENGINEERS  
APRIL 1959



APPROXIMATELY 400 CUBIC YARDS TO BE DREDGED.

SEE PLAN ON SHEET 4

LUCY HILL FAY ETAL  
1 GREEN STREET  
CANTON, MASS.



SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER.

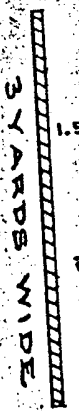
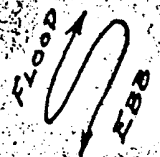
DISPOSAL AREA

QUANSET POND

QUANSET ROAD

DISPOSAL AREA

AREA TO BE DREDGED TO 3 FEET BELOW M.L.W.



MARY B. EWING  
29 HIGHLAND AVE.  
GREENFIELD, MASS.

APPROX. M.L.W.

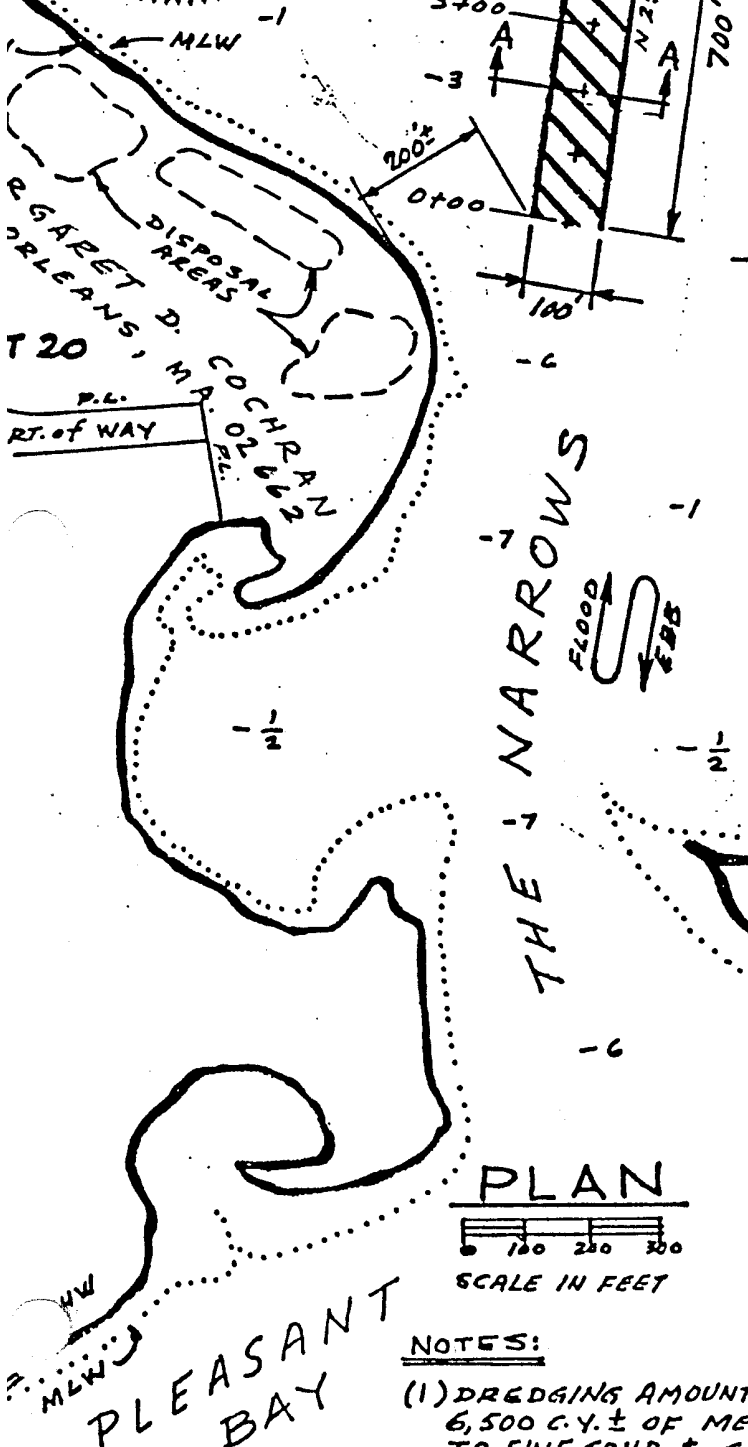
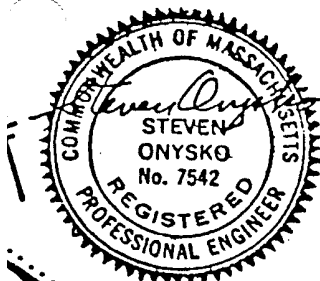
PLEASANT BAY



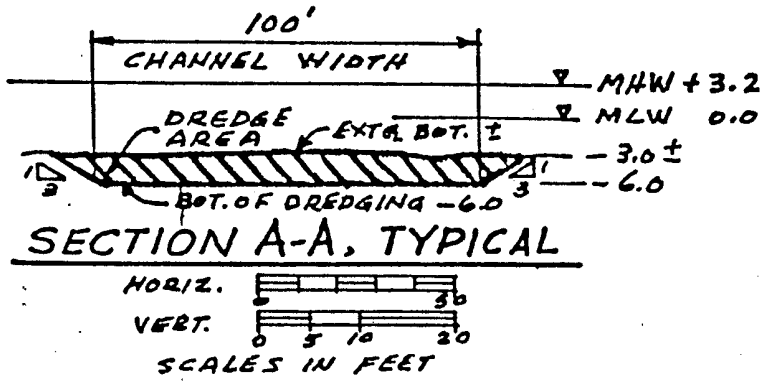
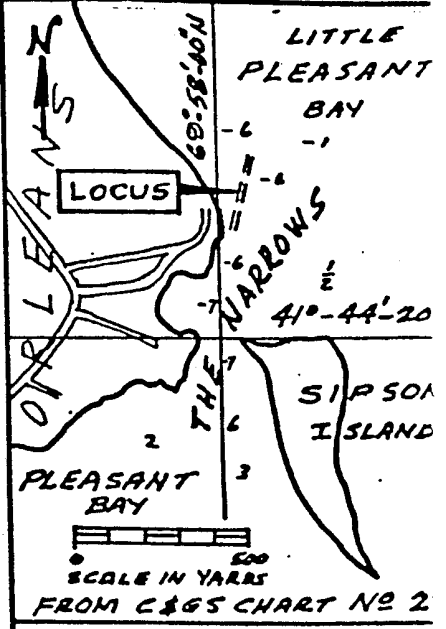
PLAN  
SCALE OF FEET



PROPOSED DREDGING  
IN ORLEANS  
COUNTY OF BARNSTABLE  
MASSACHUSETTS  
APPLICATION BY  
TOWN OF ORLEANS  
ARTHUR L. SPARROW CO., ENGINEERS  
APRIL 1959 # 1976



LITTLE PLEASANT BAY

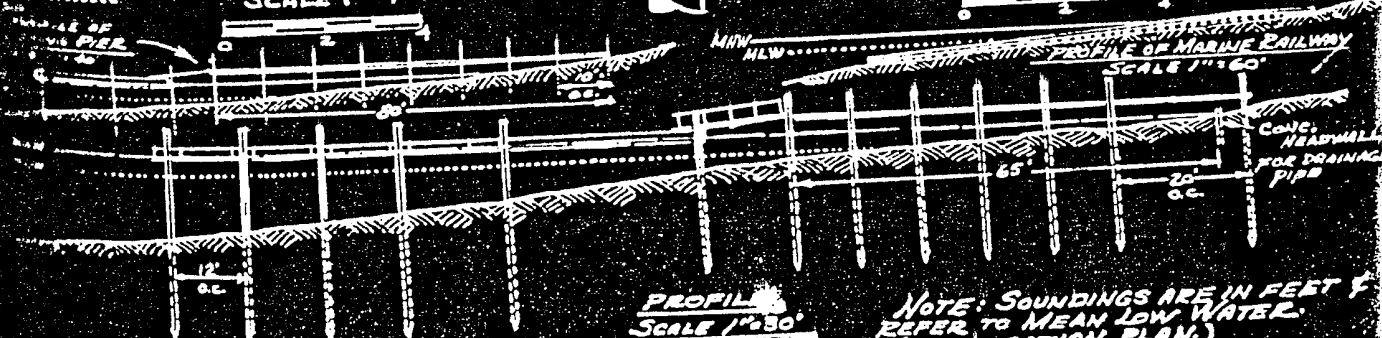
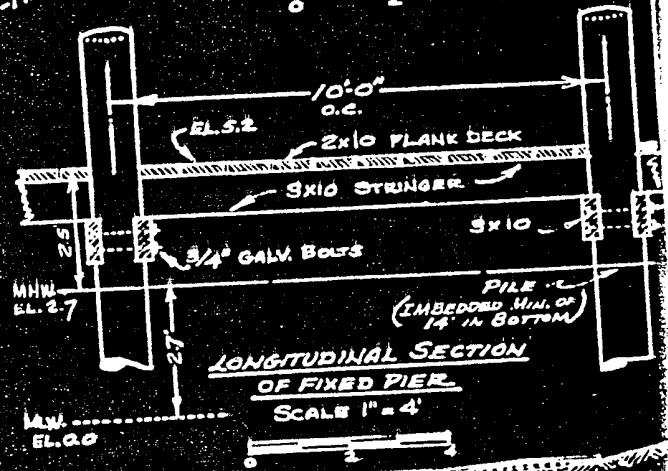
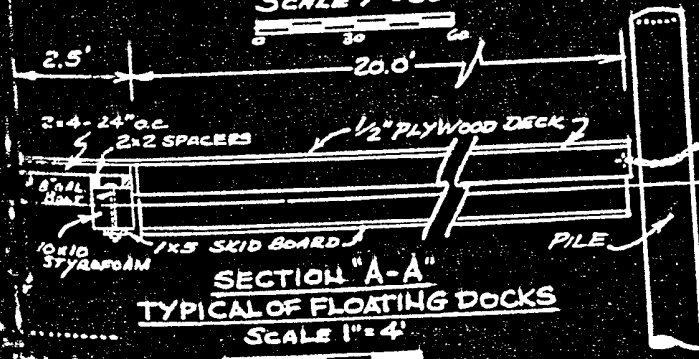
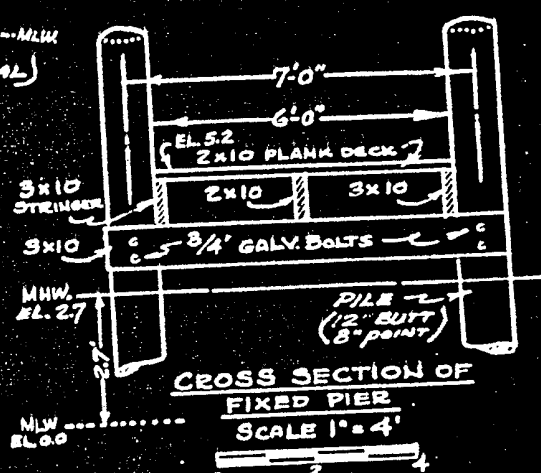
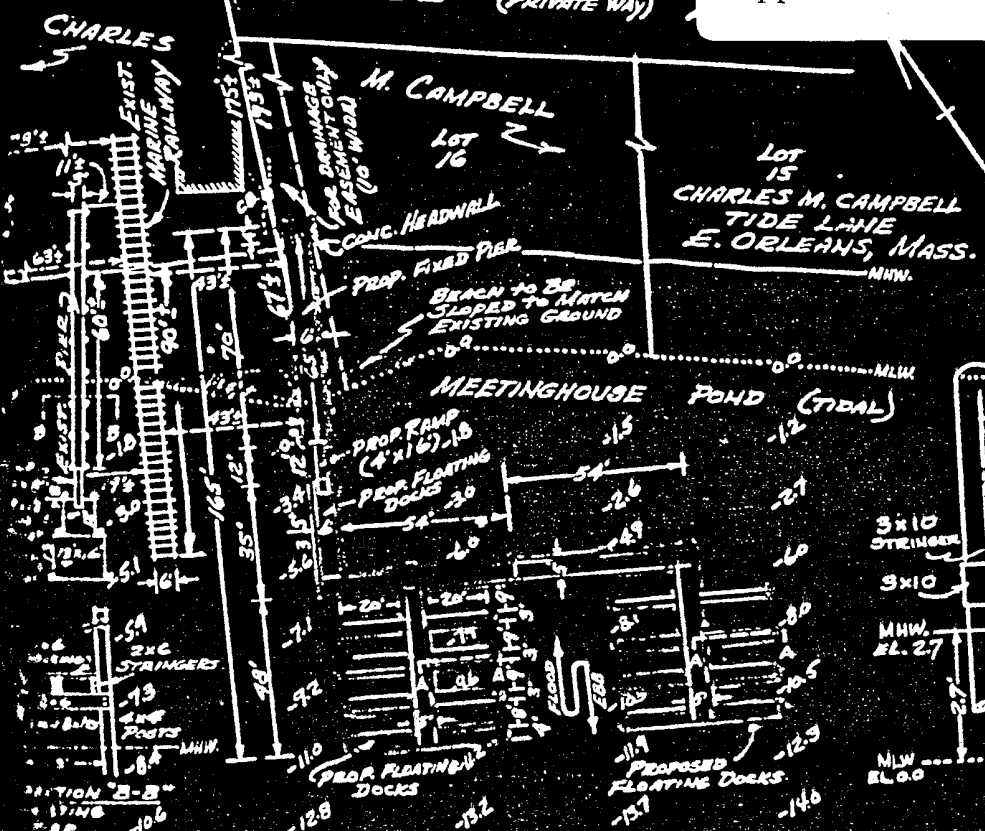
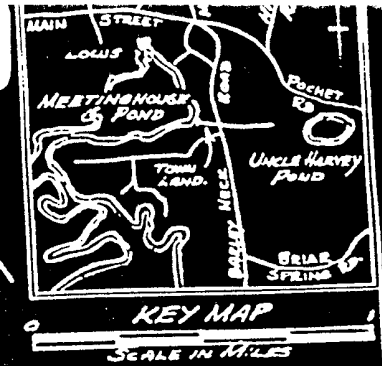


Proposed Dredging  
in  
THE NARROWS, ORLEANS, MASS.  
Application By  
THE TOWN OF ORLEANS  
Town Offices, Orleans, Mass. 0  
Sheet 1 of 1 26 Sep 75

- NOTES:
- (1) DREDGING AMOUNTS TO 6,500 C.Y. ± OF MEDIUM TO FINE SAND & SILTY SAND.
  - (2) LOCATION AND AREA TO BE DREDGED INDICA-

Is no Harbor Line in the  
of the Proposed Work.

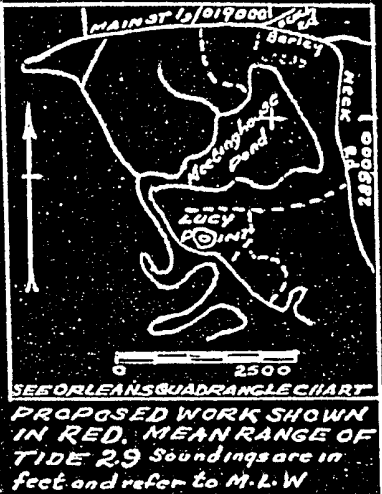
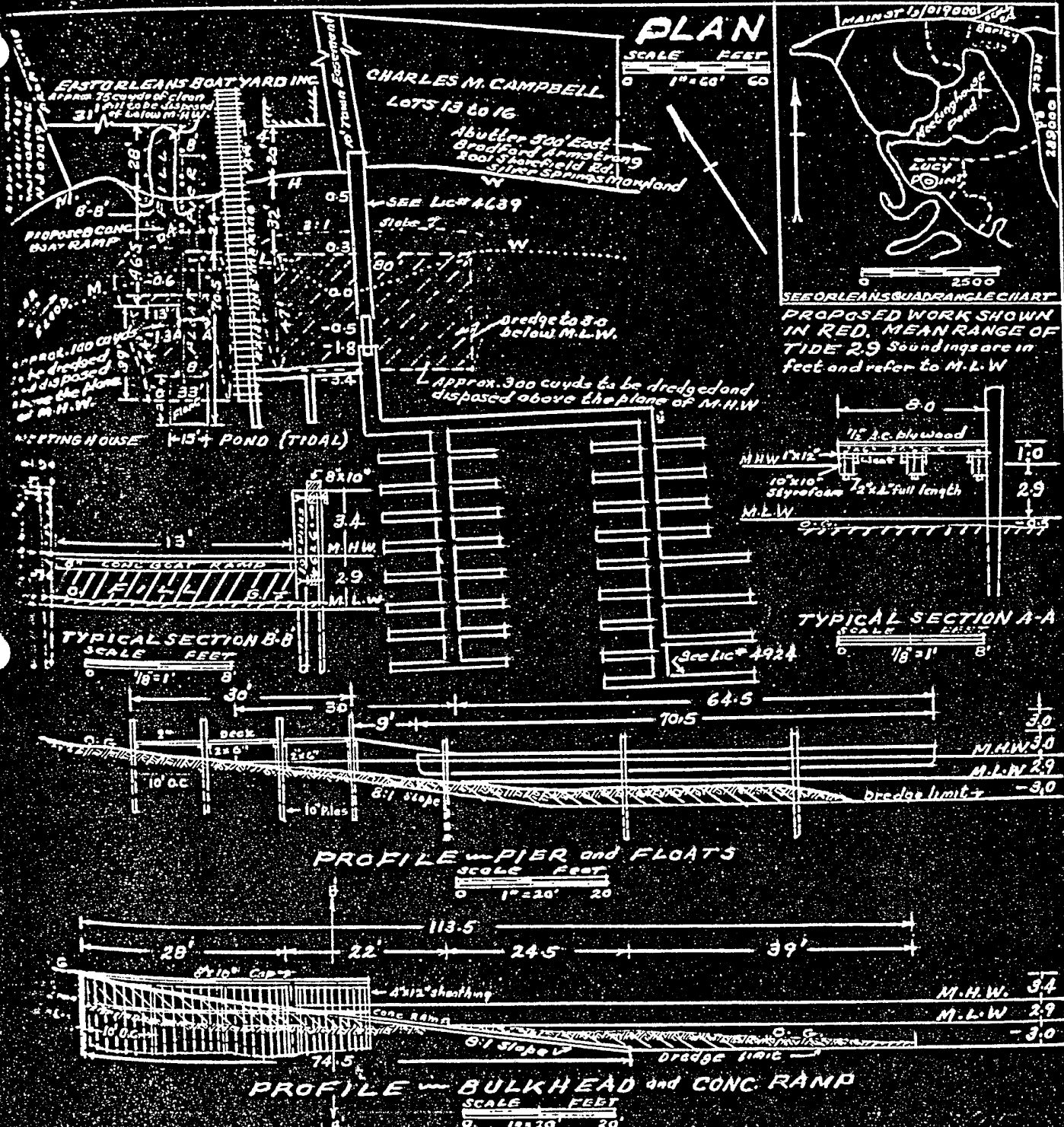
TIDE (PRIVATE WAY)



NOTE: SOUNDINGS ARE IN FEET & REFER TO MEAN LOW WATER. (SEE LOCATION PLAN.)

PLAN ACCOMPANYING PETITION OF  
**CHARLES M. CAMPBELL ET UX**  
FOR A TIMBER PIER, PLACE FIXED PLANTS & MOORING PILES  
TO PROTECT & MAINTAIN EXISTING RAILWAY AND PIER IN  
**MEETINGHOUSE POND**  
**ORLEANS, MASS.**  
SCALE: AS NOTED DATE: 8/29/66  
**CHARLES H. SAAVEY CO.**  
REGISTERED ENGINEERS & SURVEYORS  
COTUIT FALMOUTH

LICENSE PLAN NO. 46  
APPROVED BY DEPARTMENT OF PUBLIC WORKS  
NOVEMBER 13, 1966  
*Paul J. [Signature]* COMMISSIONER  
PUBLIC WORKS  
*Clarence C. [Signature]* ASSOCIATE  
COMMISSIONER  
*Howard D. Bradford* ACTING DIRECTOR  
DIVISION OF WATER



PLAN ACCOMPANYING PETITION OF  
**EAST ORLEANS BOAT YARD INC.**  
TO BUILD A TIMBER PIER, CONC BOAT RAMP  
TIMBER BULKHEAD, PLACE FIXED FLOATS MOORING  
PILES, DREDGE AND PLACE SOLID FILL IN  
**MEETINGHOUSE POND**  
TOWN OF ORLEANS  
COUNTY OF BARNSTABLE  
MASSACHUSETTS  
SCALE AS SHOWN 1970

PLAN NO. 5795  
DEPARTMENT OF PUBLIC WORKS OF  
MASSACHUSETTS  
OCTOBER 28, 1970  
COMMISSIONERS OF DEPT  
OF PUBLIC WORKS  
ASSOCIATE  
COMMISSIONERS

*Robert S. Foster*  
*Charles A. Desjardis*  
*John P. ...*