



**US Army Corps
of Engineers** ®
New England District

696 Virginia Road
Concord, MA 01742-2751

Date: September 7, 2004

Comment Period Ends: October 7, 2004

File Number: NAE-2004-2421 and NAE-2004-2422

In Reply Refer To: Stephen D. DiLorenzo

Or by e-mail: Stephen.d.dilorenzo@usace.army.mil

THIS IS A JOINT PUBLIC NOTICE FOR ROBERT W. KENYON, 355 BLACKSTONE BOULEVARD, PROVIDENCE, RHODE ISLAND 02906 AND PETER M. GRITTNER, 15 BOLTON STREET, WARWICK, RHODE ISLAND 02888.

Peter M. Grittner, 15 Bolton Street, Warwick, Rhode Island 02888 (NAE-2004-2421) has requested a Corps of Engineers permit under Section 10 of the Rivers and Harbors Act of 1899, and Section 404 of the Clean Water Act to dredge an area of approximately 5,3000 square feet to 4.0' mean low low water. The dredging will remove approximately 370 cubic yards by mechanical means from the Pawtuxet River. This project is shown on the attached plans entitled "PETER M. GRITTNER & EDITH A. JOURDAN-GRITTNER, 15 Bolton Street, WARWICK, RHODE ISLAND 02888" in 8 sheets dated "JULY 16, 2004".

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462575 N and 30225 E.

Robert W. Kenyon c/o 355 Blackstone Blvd, Providence, Rhode Island 02906 (NAE-2004-2422) has requested a Corps of Engineers permit under Section 10 of the Rivers and Harbors Act of 1899, and Section 404 of the Clean Water Act to dredge an area of approximately 5,300 square feet to 4.0' mean low low water. The dredging will remove approximately 230 cubic yards of sediments by mechanical means from the Pawtuxet River. This project is shown on the attached plans entitled "APPLICATION BY: ROBERT KENYON, c/o 355 Blackstone Blvd, APT 531, PROVIDENCE, RHODE ISLAND" in 9 sheets and dated "JULY 12, 2004".

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462625 N and 30115 E.

The purpose of the maintenance dredging for both projects is to remove material that has accumulated within the dock and slip area and to provide safe boating to and from their structures.

The disposal of the dredged sediments is proposed for the Confined Aquatic Disposal cells located in the upper reach of the Providence River and shown on sheet 6. This is an open water site, which provides Essential Fish Habitat that is described on sheets 4 and 5. Loss of this habitat may adversely affect habitat or species located on sheets 4 and 5; however the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision. The dredging portion will impact approximately 10,600 SF of Essential Fish Habitat (EFH), Robert W. Kenyon's project will impact approximately 5,300 SF of EFH, Peter Grittner's project will impact approximately 5,300SF of EFH for species and life stages located on sheets 4 and 5. Habitat at these sites can be described as mud, sand and silt. Loss of this habitat may

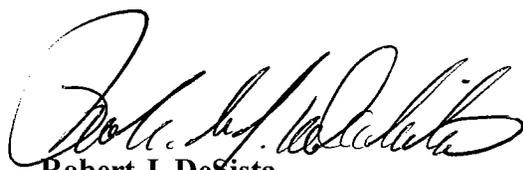
adversely affect species habitat or species shown on sheets 5 and 6; however the District Engineer has made a preliminary determination that the site-specific adverse effect can be managed to avoid or minimize adverse impacts to EFH and managed species. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

All the dredged sediments will be disposed of at the CAD cell that is located at the upper reach of the Providence River in Providence, Rhode Island.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Stephen D. DiLorenzo, Senior Project Manager, at (978) 318-8373, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

SEE NEXT PAGE FOR
DETAILS OF EVALUATION
FACTORS



Robert J. DeSista
Chief, Permits & Enforcement Branch
Regulatory Division

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity in the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties listed in, or eligible for listing in, the National Register of Historic Places, and no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.

Pursuant to the Endangered Species Act, the District Engineer is hereby requesting that the appropriate Federal Agency provide comments regarding the presence of and potential impacts to listed species or its critical habitat.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice.

The following authorizations have been applied for, or have been, or will be obtained:

- Permit, License or Assent from State.
- Permit from Local Wetland Agency or Conservation Commission.
- Water Quality Certification in accordance with Section 401 of the Clean Water Act.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

If you would prefer not to continue receiving public notices, please check here () and return this portion of the public notice to: U.S. Army Corps of Engineers – New England District, ATTN: Regulatory Branch, 696 Virginia Road, Concord, MA 01742-2751.

NAME:
ADDRESS:

Summary of Essential Fish Habitat (EFH) Designation

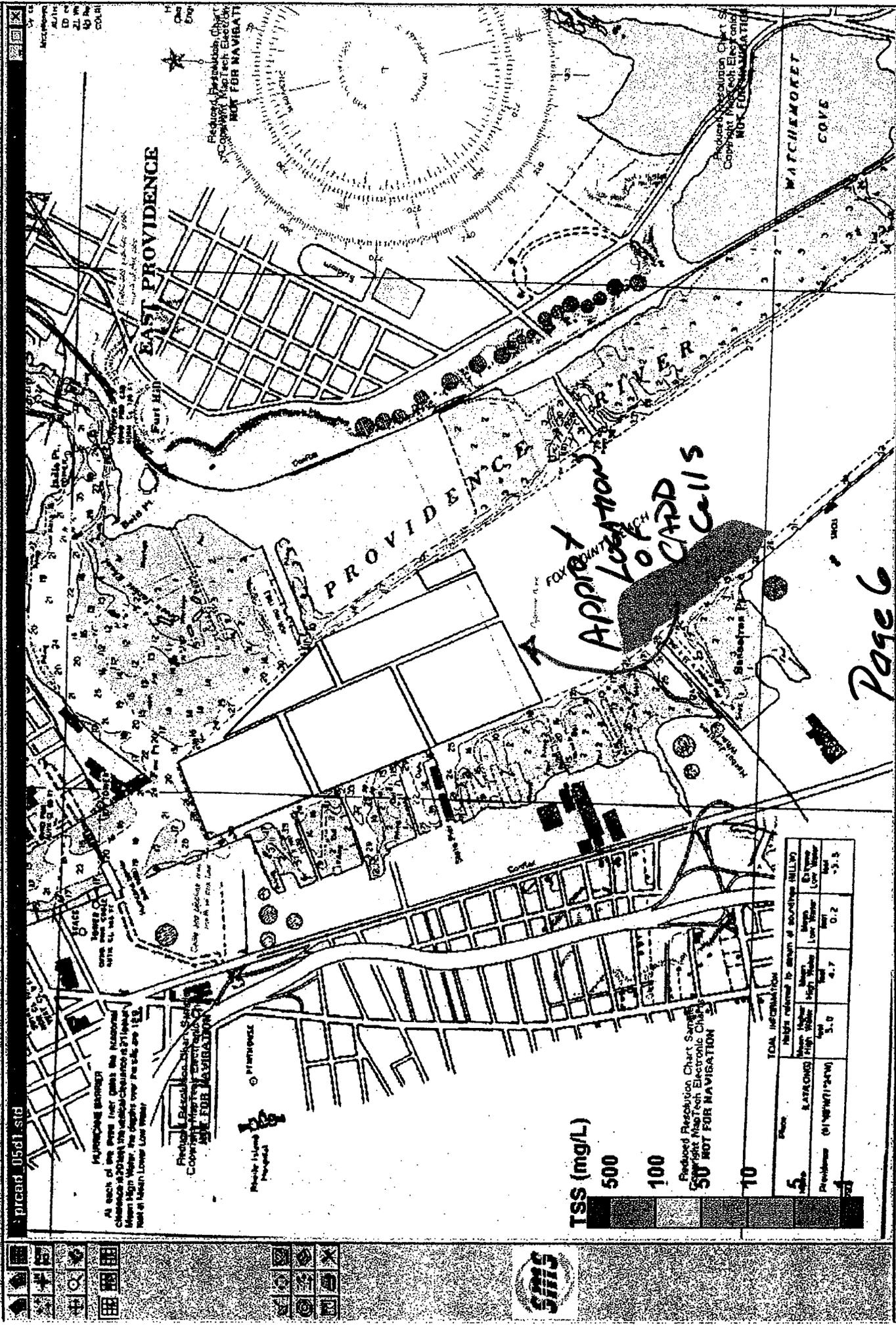
10' x 10' Square Coordinates:

Boundary	North	East	South	West
Coordinate	41° 50.0' N	71° 20.0' W	41° 40.0' N	71° 30.0' W

Square Description (i.e. habitat, landmarks, coastline markers): The waters within the square within the Providence River, within Narragansett Bay, affecting all cities, towns, and features within or adjacent to it, from Nayatt Pt. and south of Nayatt, RI., north, as well as from Warwick Pt. north. Also, these waters affect within and around Greenwich Bay, northeast of East Greenwich, RI., and north of Sally Rock Pt. on Potowomut Neck, and all other towns, cities, and features within or adjacent to those waters including Apponaug Cove, Buttonwoods Cove, Brush Neck Cove, and Warwick Cove.

Species	Eggs	Larvae	Juveniles	Adults
haddock (<i>Melanogrammus aeglefinus</i>)		X		
red hake (<i>Urophycis chuss</i>)		X	X	X
redfish (<i>Sebastes fasciatus</i>)	n/a			
winter flounder (<i>Pseudopleuronectes americanus</i>)	X	X	X	X
windowpane flounder (<i>Scopthalmus aquosus</i>)	X	X	X	X
American plaice (<i>Hippoglossoides platessoides</i>)		X	X	X
Atlantic sea herring (<i>Clupea harengus</i>)		X	X	X

bluefish (<i>Pomatomus saltatrix</i>)			X	X
long finned squid (<i>Loligo pealei</i>)	n/a	n/a		
short finned squid (<i>Illex illecebrosus</i>)	n/a	n/a		
Atlantic mackerel (<i>Scomber scombrus</i>)	X	X	X	X
summer flounder (<i>Paralichthys dentatus</i>)		X	X	X
scup (<i>Stenotomus chrysops</i>)	X	X	X	X
black sea bass (<i>Centropristus striata</i>)	n/a		X	X
surf clam (<i>Spisula solidissima</i>)	n/a	n/a		
ocean quahog (<i>Artica islandica</i>)	n/a	n/a		
spiny dogfish (<i>Squalus acanthias</i>)	n/a	n/a		
king mackerel (<i>Scomberomorus cavalla</i>)	X	X	X	X
Spanish mackerel (<i>Scomberomorus maculatus</i>)	X	X	X	X
cobia (<i>Rachycentron canadum</i>)	X	X	X	X



Page 6





ST. JEAN ENGINEERING, LLC

Civil and Structural Engineering
 1145 Middle Road East Greenwich, RI 02818
 Tel/Fax: (401)398-0999

15 BOLTON ST., WARWICK, RHODE ISLAND

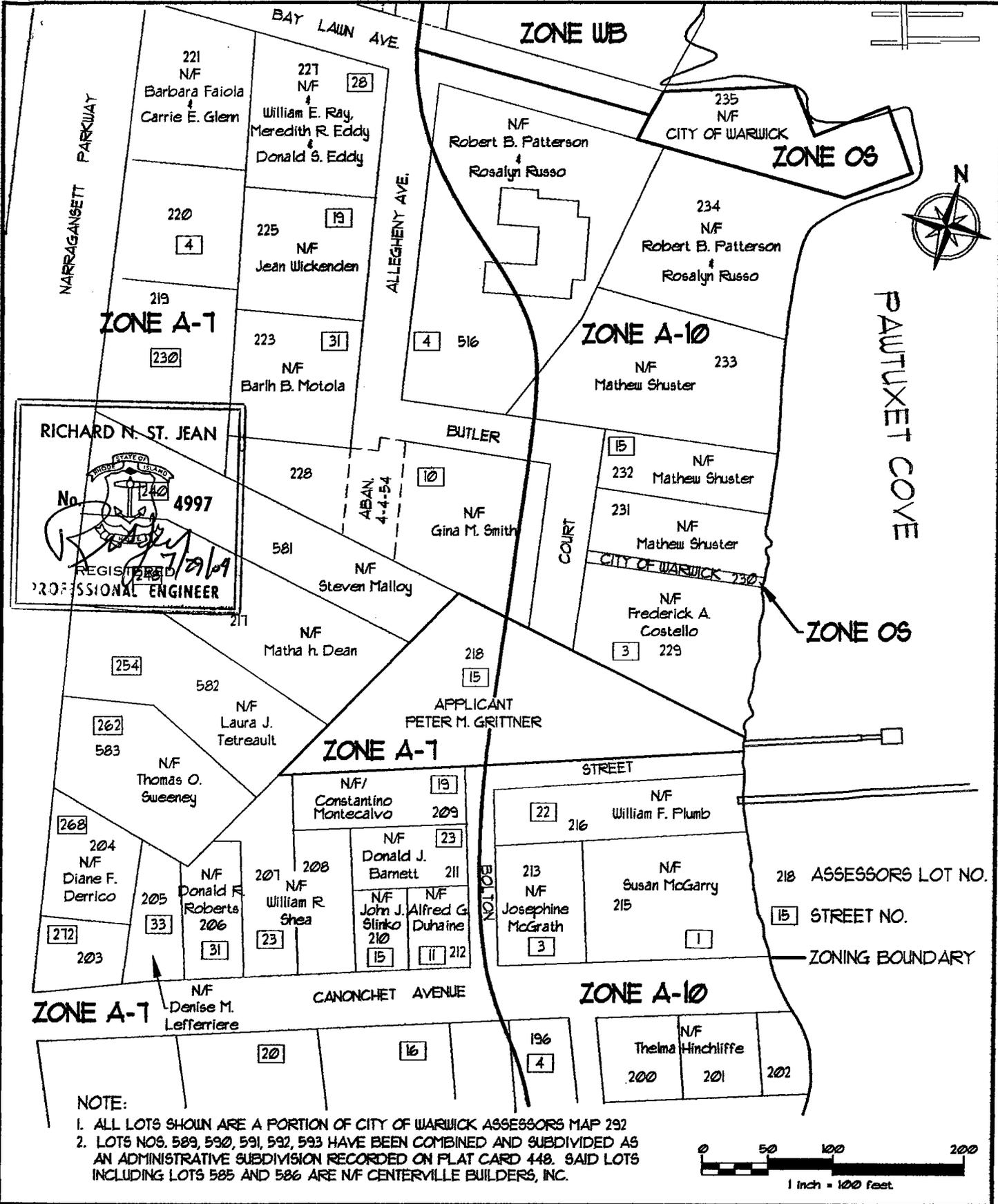
USGS Map Sections: Providence, East Providence, Bristol and East Greenwich Quadrangles

LOCATION:
 15 BOLTON STREET
 PLAT NO. 232, LOT 218
 WARWICK, RI 02888

APPLICATION BY:
 PETER GRITNER & EDITH JOURDAN-GRITNER
 15 BOLTON STREET
 WARWICK, RHODE ISLAND 02888

DATE
 JULY 16, 2004

SHEET OF
 21 80



RICHARD N. ST. JEAN
 No. 4997
 REGISTERED PROFESSIONAL ENGINEER
 7/29/09

ST. JEAN ENGINEERING, LLC
 Civil and Structural Engineering
 1145 Middle Road East Greenwich, RI 02818
 Tel/Fax: (401)398-0999

PETER M. GRITNER AND EDITH A. JOURDAN-GRITNER ABUTTERS PLAN

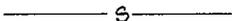
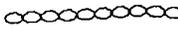
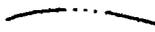
LOCATION:
 PAWTUXET COVE
 PLAT NO. 292 LOT 218
 BOLTON & BUTLER COURT
 WARWICK, RI 02888

APPLICATION BY:
 PETER M. GRITNER & EDITH A. JOURDAN-GRITNER
 15 BOLTON STREET
 WARWICK, RHODE ISLAND 02888

DATE
 JULY 16, 2004

SHEET OF
 1/2 100

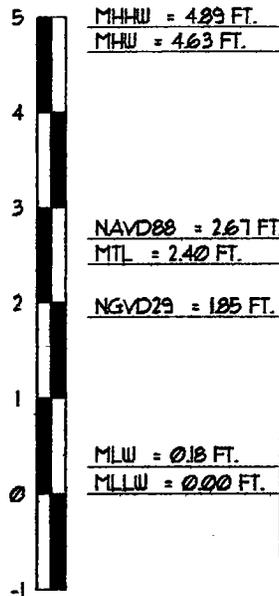
LEGEND

	PROPERTY LINE		EXISTING SPOT GRADE
	EXISTING CONTOUR		PROPOSED SPOT GRADE
	PROPOSED CONTOUR		PROPOSED BULKHEAD
	EXISTING SEWER		EXISTING STONE WALL
	PROPOSED SEWER		EXISTING FENCE LINE
	EXISTING WATER LINE		BORING
	PROPOSED WATER LINE		FLOOD ZONE BOUNDARY
	EXISTING DRAINAGE LINE		EXISTING HYDRANT
	PROPOSED DRAINAGE LINE		EXISTING POLE
	EXISTING SEWER MANHOLE		EXISTING SLOPE
	EXISTING DRAINAGE MANHOLE		SHORE LINE
	PROPOSED MANHOLE		IRON PIPE FOUND
	EXISTING TREE LINE		STONES/BOULDERS
	EXISTING BUILDING		
	PROPOSED BUILDING		

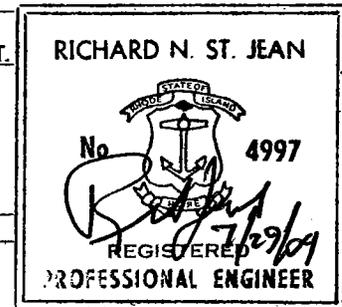
INFORMATION FOR TIDAL BENCHMARK PID - L10043
 FROM NGS DATA SHEET
 LOCATION: SET IN THE TOP OF A CONC. WALL AT THE SW END
 OF STEPS - ENTRANCE TO ST. PAUL CATHOLIC CHURCH AT
 THE SW WARWICK AVE. ENTRANCE.

ABBREVIATIONS

N. I. C.	NOT IN CONTRACT
U. O. N.	UNLESS OTHERWISE NOTED
N. T. S.	NOT TO SCALE
I. A. W.	IN ACCORDANCE WITH
TYP.	TYPICAL
R & D	REMOVE AND DISPOSE
BIT.	BITUMINOUS CONCRETE
N/F	NOW OR FORMERLY
F. F.	FINISH FLOOR
T. O. F.	TOP OF FOUNDATION
M. P. L.	MARINA PERIMETER LINE
S. J. E.	ST. JEAN ENGINEERING, LLC
S. F.	SQUARE FOOT
A. P.	ASSESSORS PLAT
EXTG.	EXISTING
SMH	SEWER MANHOLE
DMH	WATER MANHOLE
MIN.	MINIMUM

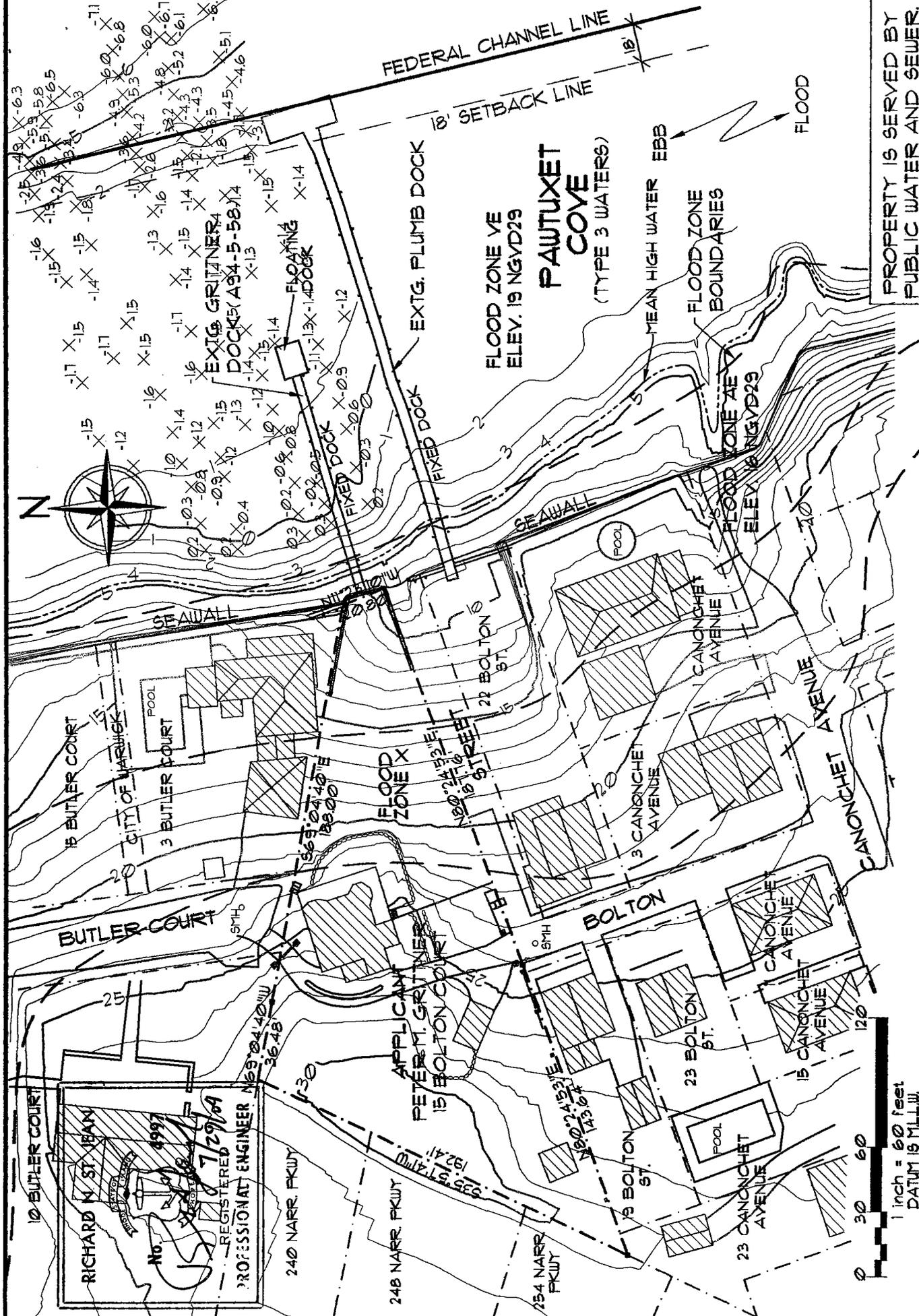


NOTE:
 ELEVATION DATA COORELATES
 CLOSELY WITH PID - L10052
 LOCATED STATE PIER NO. 1



DATUM INFORMATION

ST. JEAN ENGINEERING, LLC <small>Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)399-8999</small>	PETER M. GRITNER AND EDITH A. JOURDAN-GRITNER LEGEND & ABBREVIATIONS	DATE JULY 16, 2004
	LOCATION: PAWTUCKET COVE PLAT NO. 292, LOT 218 BOLTON & BUTLER COURT WARWICK, RI 02888	APPLICATION BY: PETER M. GRITNER & EDITH A. JOURDAN-GRITNER 15 BOLTON STREET WARWICK, RHODE ISLAND 02888



RICHARD N. ST. JEAN
 No. 1997
 REGISTERED PROFESSIONAL ENGINEER
 7/29/09

APPLICATION BY
 PETER M. GRITNER
 15 BOLTON STREET

FEDERAL CHANNEL LINE
 18' SETBACK LINE

FLOOD ZONE VE
 ELEV. 19 NGVD29
**PAWTUXET
 COVE**
 (TYPE 3 WATERS)

MEAN HIGH WATER
 EBB
 FLOOD ZONE
 BOUNDARIES

PROPERTY IS SERVED BY
 PUBLIC WATER AND SEWER.

DATE JULY 16, 2004
 SHEET 1 OF 10

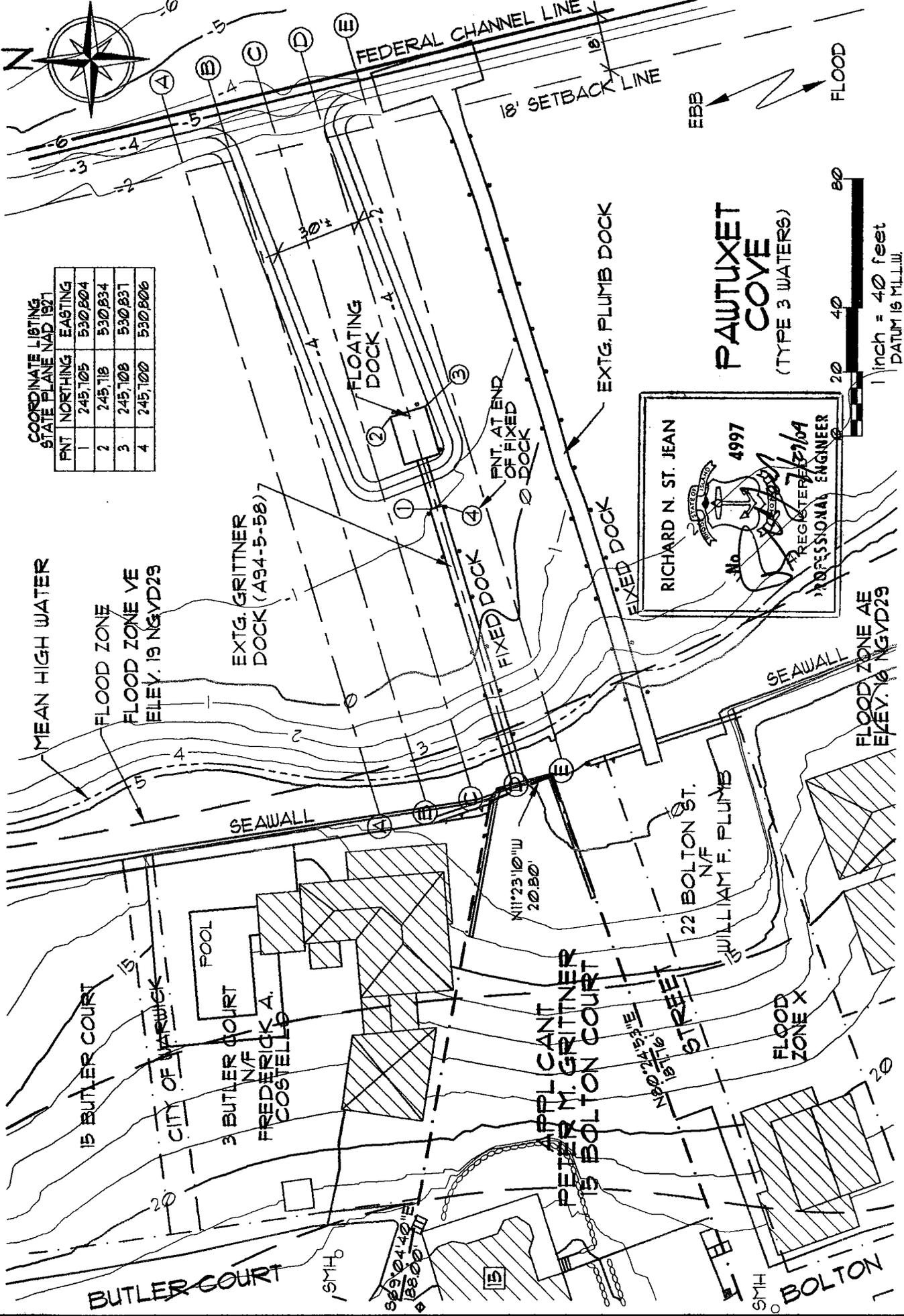
ST. JEAN ENGINEERING, LLC
 Civil and Structural Engineering
 1145 Middle Road East Greenwich, RI 02818
 TEL: 401/799-0799

15 BOLTON STREET. - EXISTING CONDITIONS - OVERALL
 REVISIONS:
 APPL. BY: PETER M. GRITNER AND EDITH A. JOHNSON GRITNER
 15 BOLTON STREET
 WARWICK, RI 02888
 LOCATION:

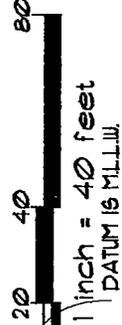


COORDINATE LISTING
STATE PLANE NAD 1983

FNT	NORTHING	EASTING
1	245,705	530,804
2	245,718	530,834
3	245,708	530,831
4	245,700	530,806



RICHARD N. ST. JEAN
4997
REGISTERED PROFESSIONAL ENGINEER
No. 752104



ST. JEAN ENGINEERING, LLC

1145 Middle Road West Greenwich, RI 02818
Tel 401/298-0799

APPLY BY: PETER M. GRITNER AND EDITH A. JOHNSON-GRITNER
15 BOLTON STREET
WARWICK, RHODE ISLAND 02888

LOCATION: PAWTUXET COVE
FLAT NO. 10 LOT 2B
BOLTON & BUTLER CT.
WARWICK, RI 02888

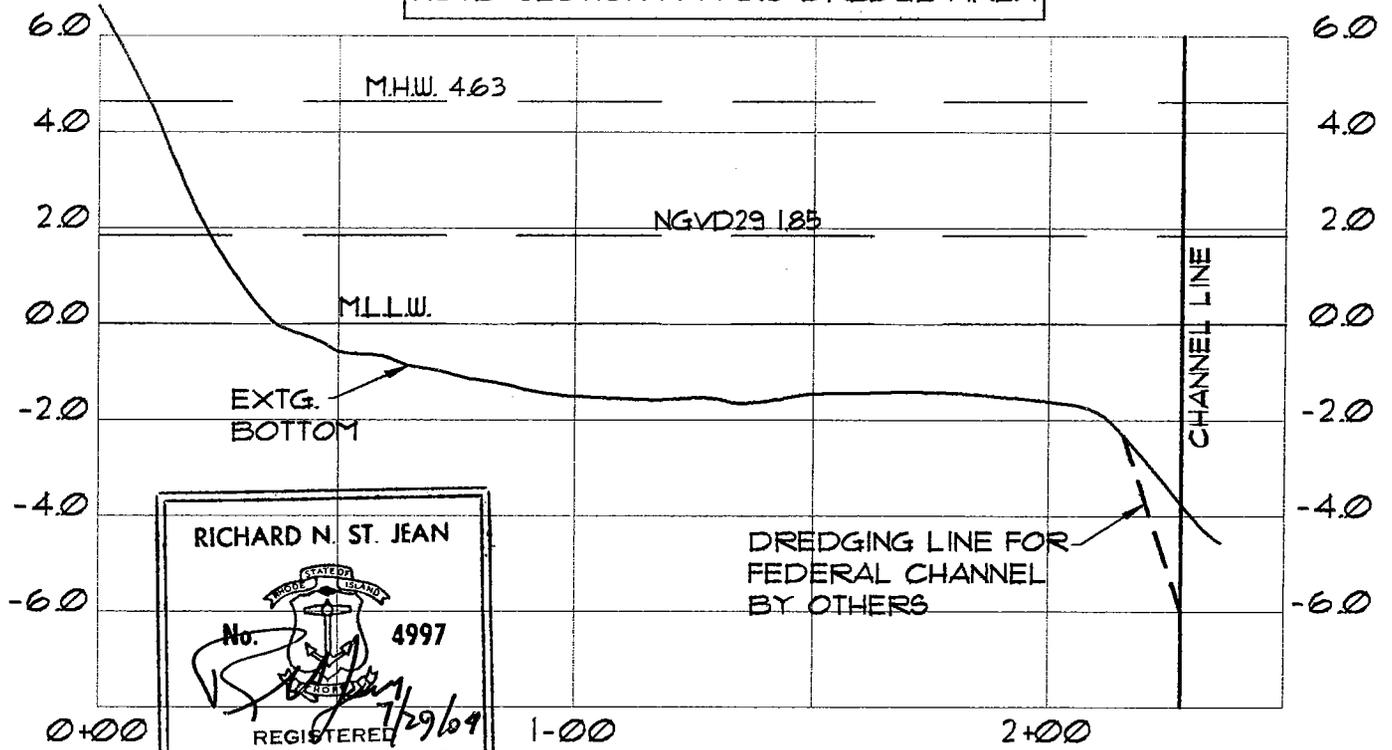
REVISIONS:

DATE: JULY 16, 2004

SHEET 7 OF 10

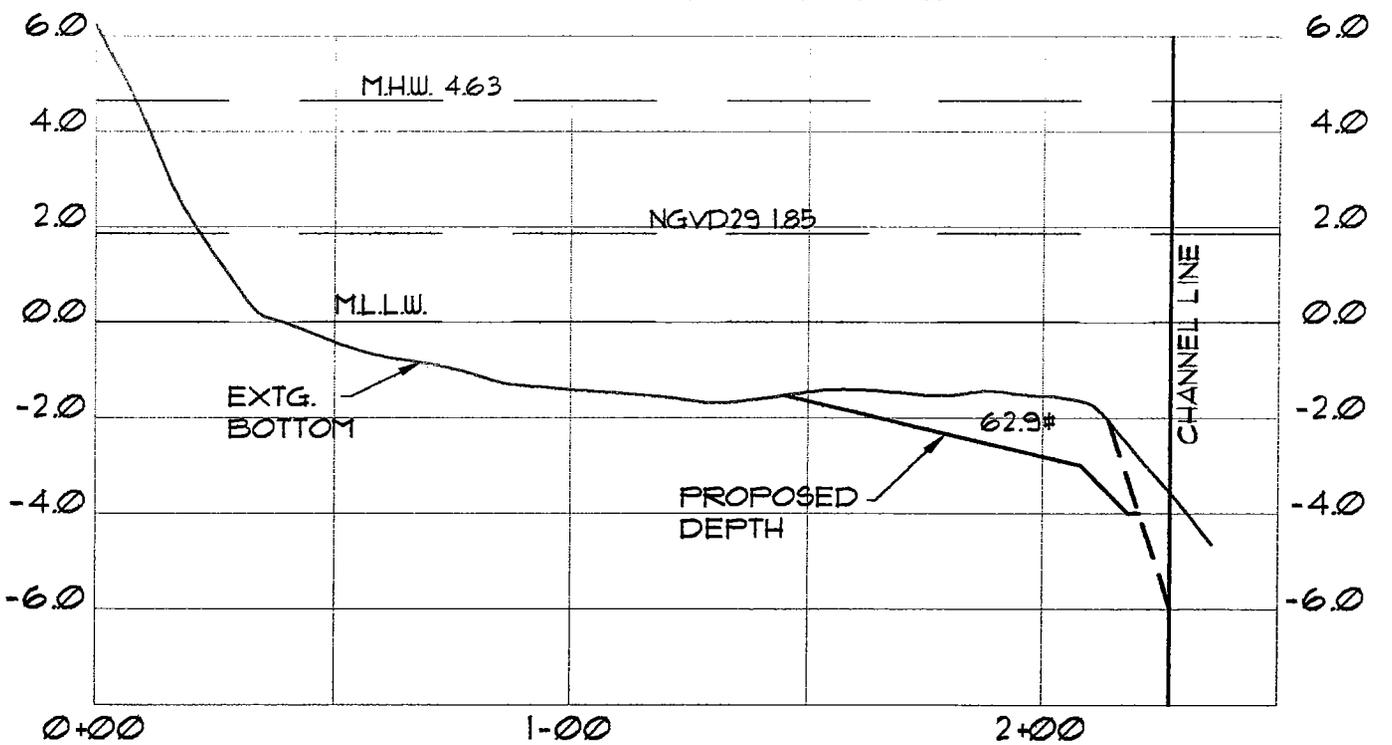
15 BOLTON STREET - PROPOSED DREDGING

NOTE: SECTION A-A 0.0 DREDGE AREA



RICHARD N. ST. JEAN
 No. 4997
 REGISTERED PROFESSIONAL ENGINEER
 7/29/04

SECTION A-A STA. 0+00

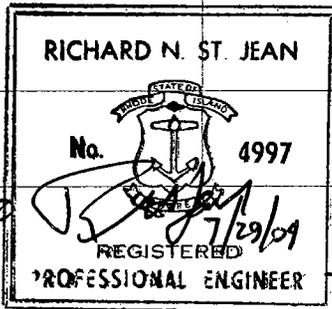
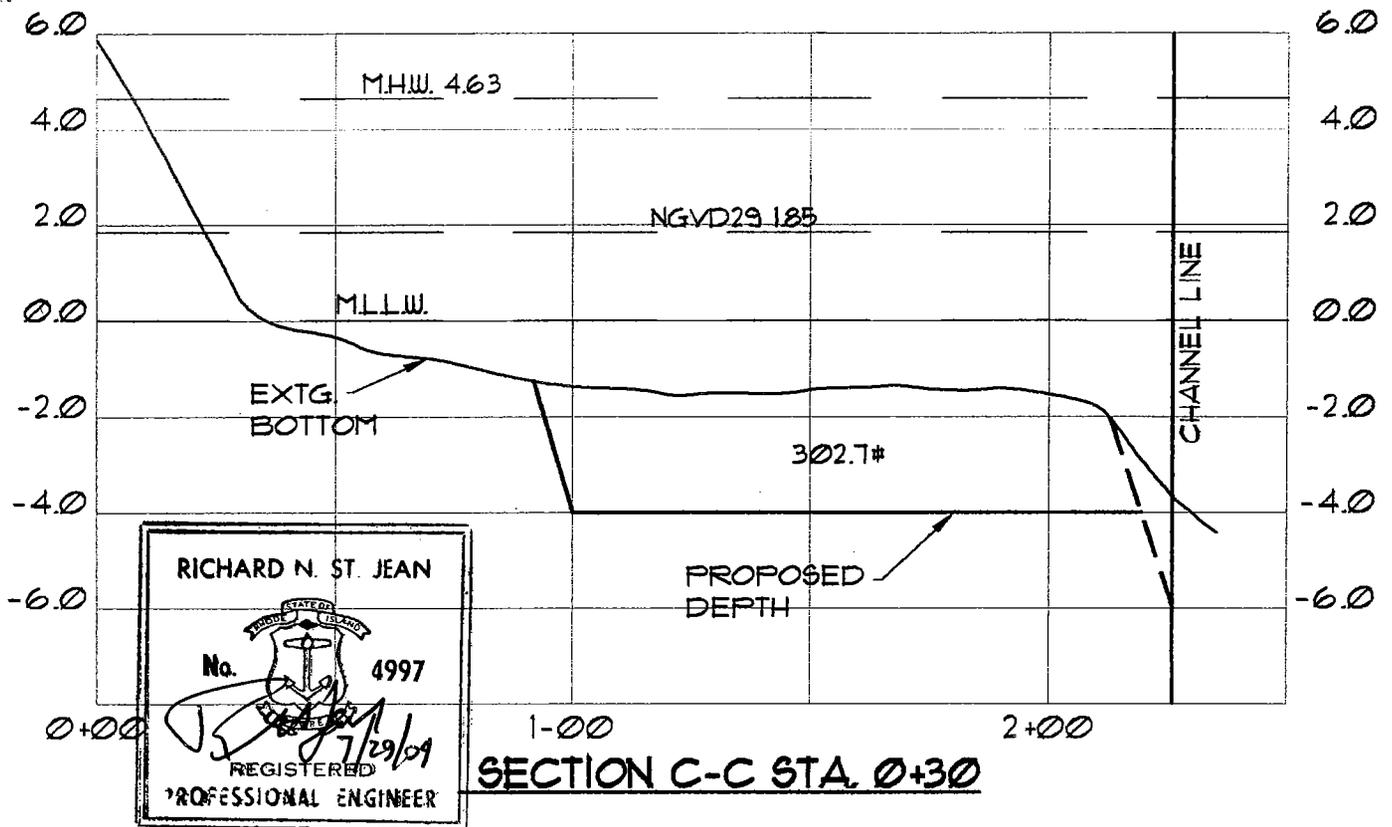


SECTION B-B STA. 0+15

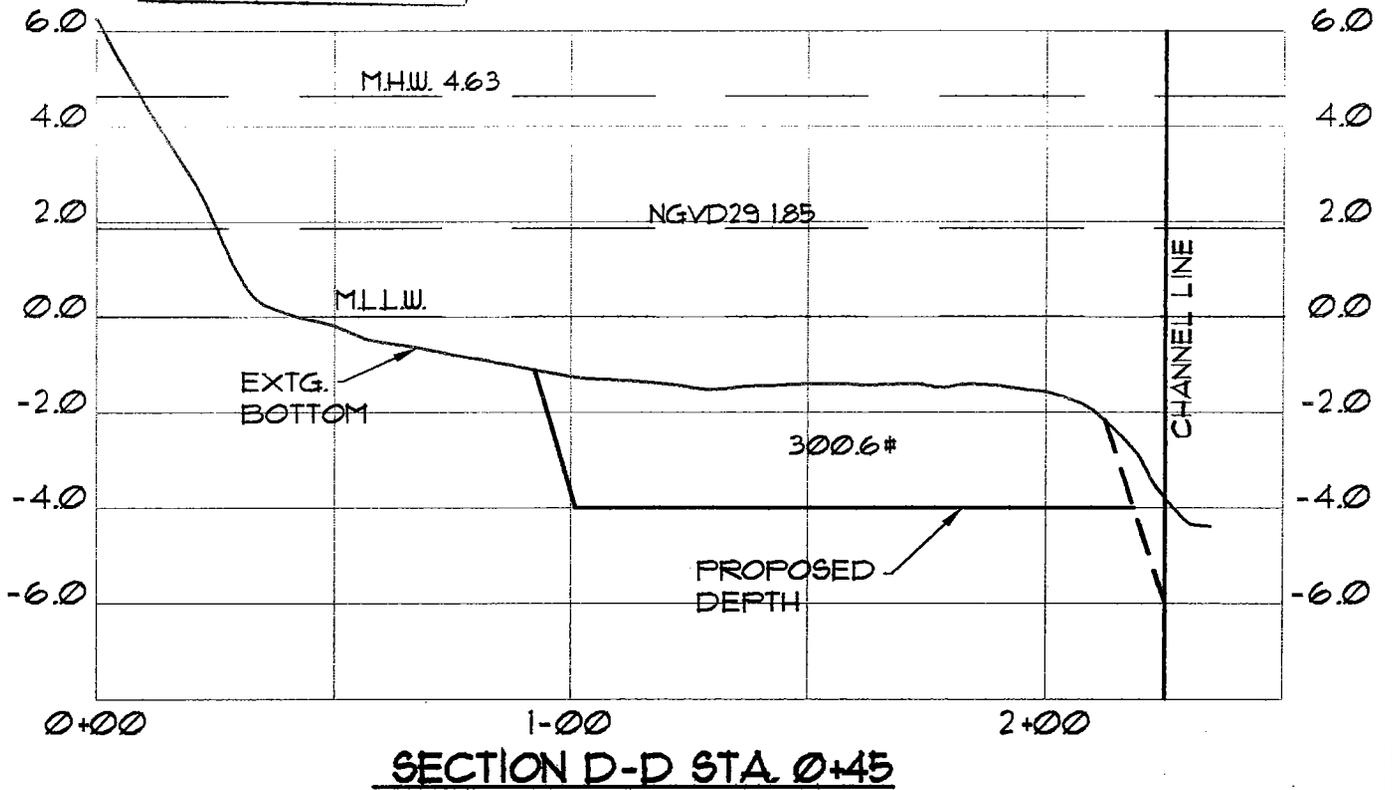
DATUM: MLLW
 MEAN TIDE RANGE = 4.45'

SCALE: 1" = 40ft. HORIZ.
 1" = 4' VERT.

ST. JEAN ENGINEERING, LLC Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	PETER M. GRITNER AND EDITH A. JOURDAN-GRITNER CROSS SECTIONS		DATE JULY 16, 2004
	LOCATION: PAWUXET COVE FLAT NO. 292 LOT 218 BOLTON & BUTLER COURT WARWICK, RI 02888	APPLICATION BY: PETER M. GRITNER & EDITH A. JOURDAN-GRITNER 15 BOLTON STREET WARWICK, RHODE ISLAND 02888	SHEET OF 10 / 10



SECTION C-C STA. 0+30



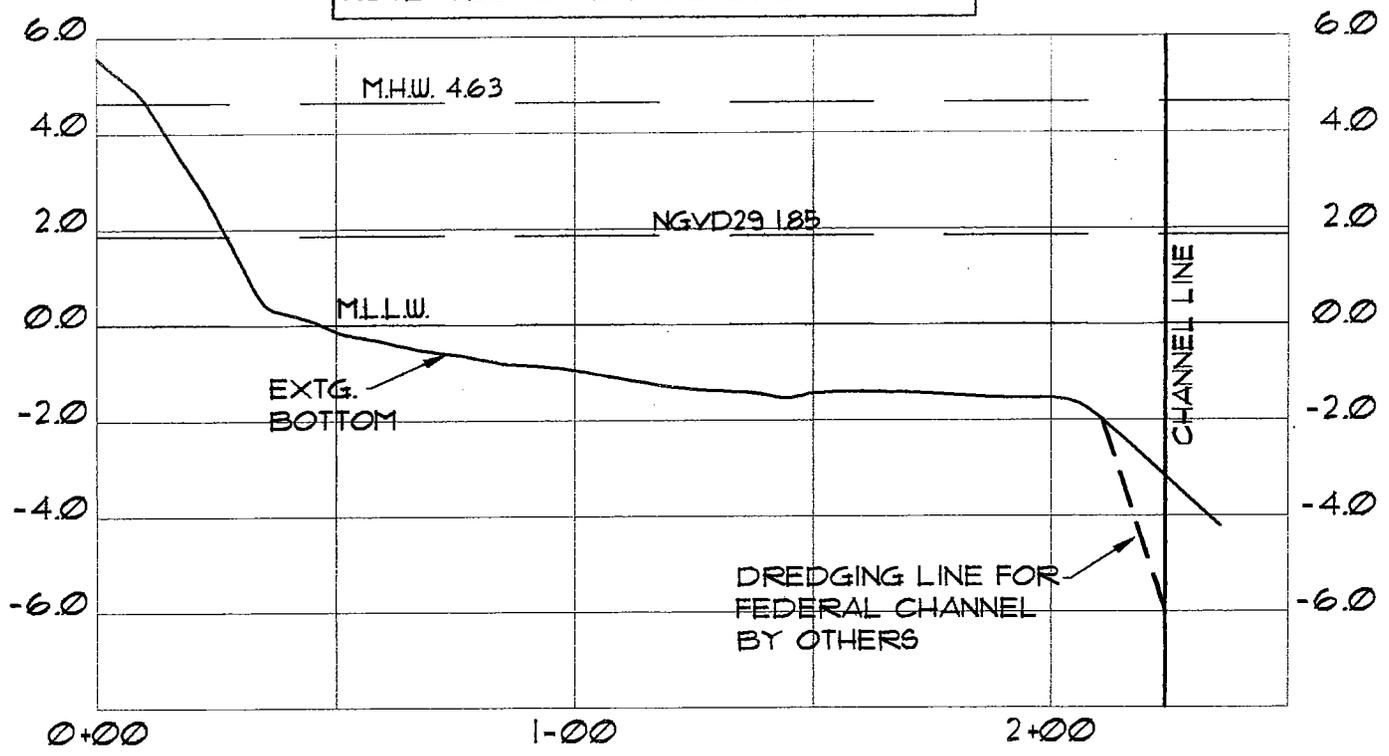
SECTION D-D STA. 0+45

DATUM: MLLW
MEAN TIDE RANGE = 4.45'

SCALE: 1" = 40ft. HORIZ.
1" = 4' VERT.

ST. JEAN ENGINEERING, LLC <i>Civil and Structural Engineering</i> 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	PETER M. GRITNER AND EDITH A. JOURDAN-GRITNER CROSS SECTIONS		DATE JULY 16, 2004
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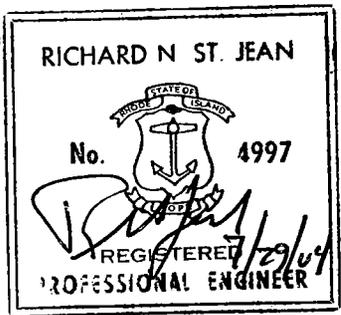
NOTE: SECTION E-E 0.0 DREDGE AREA



SECTION E-E STA. 0+60

DREDGE VOLUME MAINTAINING 20 FT. CLEARANCE TO STRUCTURES
 MAX. DEPTH OF DREDGING -4.0 FT. M.L.L.W.

SECTION	STATION	AREA	AVE. AREA SQUARE FOOT	VOLUME CUBIC YARD	TOTAL VOLUME CUBIC YARD
A-A	0	0	0.00	0.00	
B-B	15	62.9	31.45	17.47	17.47
C-C	30	302.7	182.80	101.56	119.03
D-D	45	300.6	301.65	167.58	286.61
E-E	60	0	150.30	83.50	370.11

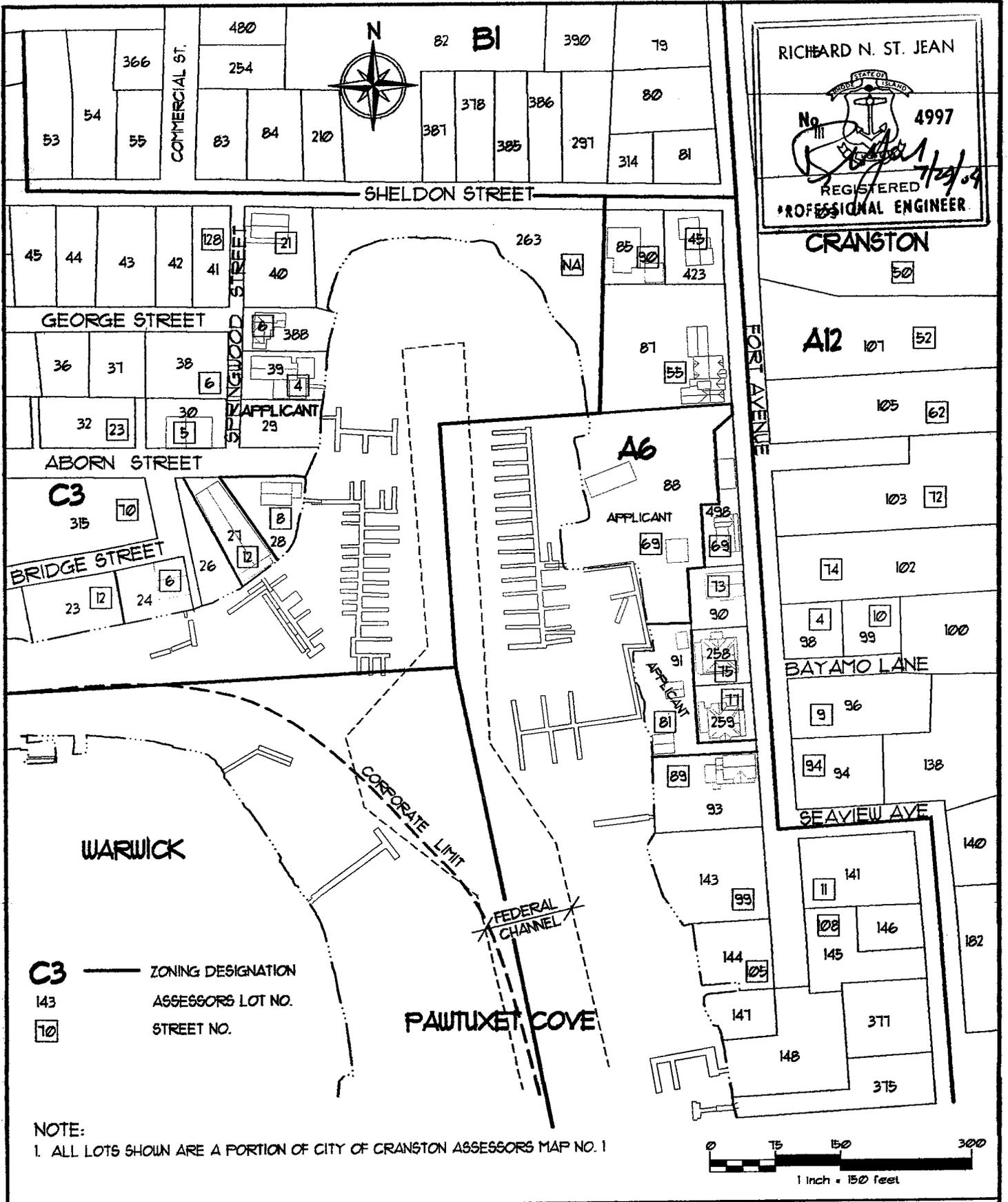


Total Estimated Volume: 370 cubic yards
(For dredging to 4 ft. below M.L.L.W.)

DATUM: MLLW
 MEAN TIDE RANGE = 4.45'

SCALE: 1" = 40ft. HORIZ.
 1" = 4' VERT.

ST. JEAN ENGINEERING, LLC <i>Civil and Structural Engineering</i> 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	PETER M. GRITNER AND EDITH A. JOURDAN-GRITNER CROSS SECTIONS		DATE JULY 16, 2004
	LOCATION: PAWTUXET COVE PLAT NO. 232, LOT 218 BOLTON & BUTLER COURT WARWICK, RI 02888	APPLICATION BY: PETER M. GRITNER & EDITH A. JOURDAN-GRITNER 15 BOLTON STREET WARWICK, RHODE ISLAND 02888	SHEET OF 108 108



RICHARD N. ST. JEAN
 No. 4997
 REGISTERED PROFESSIONAL ENGINEER
 7/2/04

CRANSTON

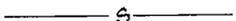
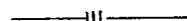
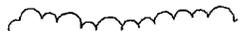
A12 101 52

BAYAMO LANE

SEAVIEW AVE

ST. JEAN ENGINEERING, LLC <small>Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999</small>	ROBERT W. KENYON ABUTTERS PLAN & ZONING	DATE JULY 12, 2004
	<small>LOCATION: PAWTUXET COVE FLAT NO. 1, LOT 29 ABORN & SPRINGWOOD ST. CRANSTON, RI 02905</small>	<small>APPLICATION BY: ROBERT KENYON c/o 355 BLACKSTONE BLVD., APT. 531 PROVIDENCE, RHODE ISLAND 02906</small>

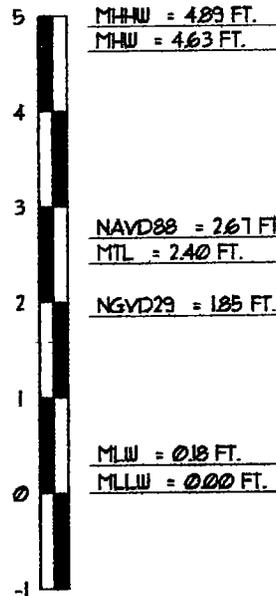
LEGEND

	PROPERTY LINE		EXISTING SPOT GRADE
	EXISTING CONTOUR		PROPOSED SPOT GRADE
	PROPOSED CONTOUR		PROPOSED BULKHEAD
	EXISTING SEWER		EXISTING STONE WALL
	PROPOSED SEWER		EXISTING FENCE LINE
	EXISTING WATER LINE		BORING
	PROPOSED WATER LINE		FLOOD ZONE BOUNDARY
	EXISTING DRAINAGE LINE		EXISTING HYDRANT
	PROPOSED DRAINAGE LINE		EXISTING POLE
	EXISTING SEWER MANHOLE		EXISTING SLOPE
	EXISTING DRAINAGE MANHOLE		SHORE LINE
	PROPOSED MANHOLE		IRON PIPE FOUND
	EXISTING TREE LINE		STONES/BOULDERS
	EXISTING BUILDING		
	PROPOSED BUILDING		

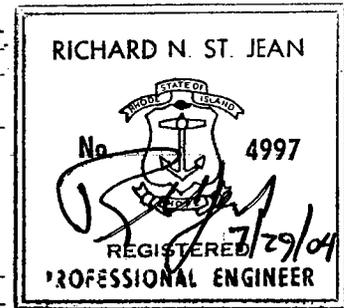
INFORMATION FOR TIDAL BENCHMARK FID - LW0143
 FROM NGS DATA SHEET
 LOCATION: SET IN THE TOP OF A CONC. WALL AT THE SW END
 OF STEPS - ENTRANCE TO ST. PAUL CATHOLIC CHURCH AT
 THE SW WARWICK AVE. ENTRANCE.

ABBREVIATIONS

N. I. C.	NOT IN CONTRACT
U. O. N.	UNLESS OTHERWISE NOTED
N. T. S.	NOT TO SCALE
I. A. W.	IN ACCORDANCE WITH
TYP.	TYPICAL
R & D	REMOVE AND DISPOSE
BIT.	BITUMINOUS CONCRETE
N.F.	NOW OR FORMERLY
F.F.	FINISH FLOOR
T. O. F.	TOP OF FOUNDATION
M. P. L.	MARINA PERIMETER LINE
S. J. E.	ST. JEAN ENGINEERING, LLC
S.F.	SQUARE FOOT
A. P.	ASSESSORS PLAT
EXTG.	EXISTING
SMH	SEWER MANHOLE
DMH	WATER MANHOLE
MIN.	MINIMUM



NOTE:
 ELEVATION DATA COORELATES
 CLOSELY WITH FID - LW0152
 LOCATED STATE PIER NO. 1



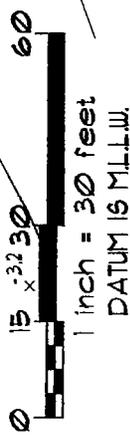
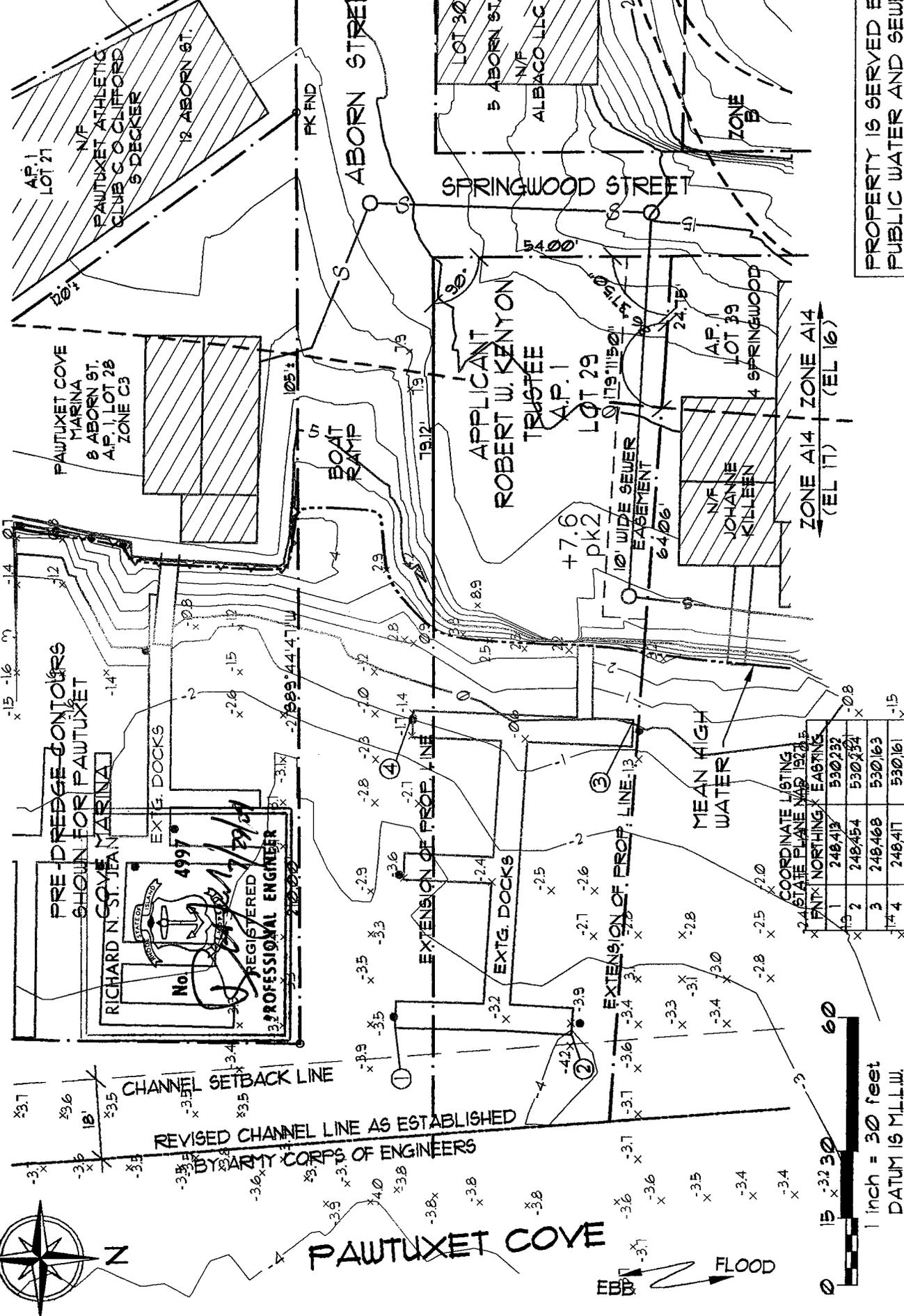
DATUM INFORMATION

ST. JEAN ENGINEERING, LLC Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0899	ROBERT W. KENYON LEGEND & ABBREVIATIONS	DATE JULY 12, 2004
	LOCATION: PAWTUXET COVE PLAT NO. 1, LOT 29 ABBORN & SPRINGWOOD ST. CRANSTON, RI 02905	APPLICATION BY: ROBERT KENYON C/O 355 BLACKSTONE BLVD., APT. 531 PROVIDENCE, RHODE ISLAND 02906



REVISED CHANNEL LINE AS ESTABLISHED BY ARMY CORPS OF ENGINEERS

PAUTUXET COVE



COORDINATE LISTING
 DATUM PLANE WAS 152.05
 POINT NORTHING EASTING

1	248,413	530,232
2	248,454	530,234
3	248,468	530,163
4	248,417	530,161

Richard N. St. Jean
 No. 4997
 REGISTERED PROFESSIONAL ENGINEER
 12/22/20

PROPERTY IS SERVED BY PUBLIC WATER AND SEWER.

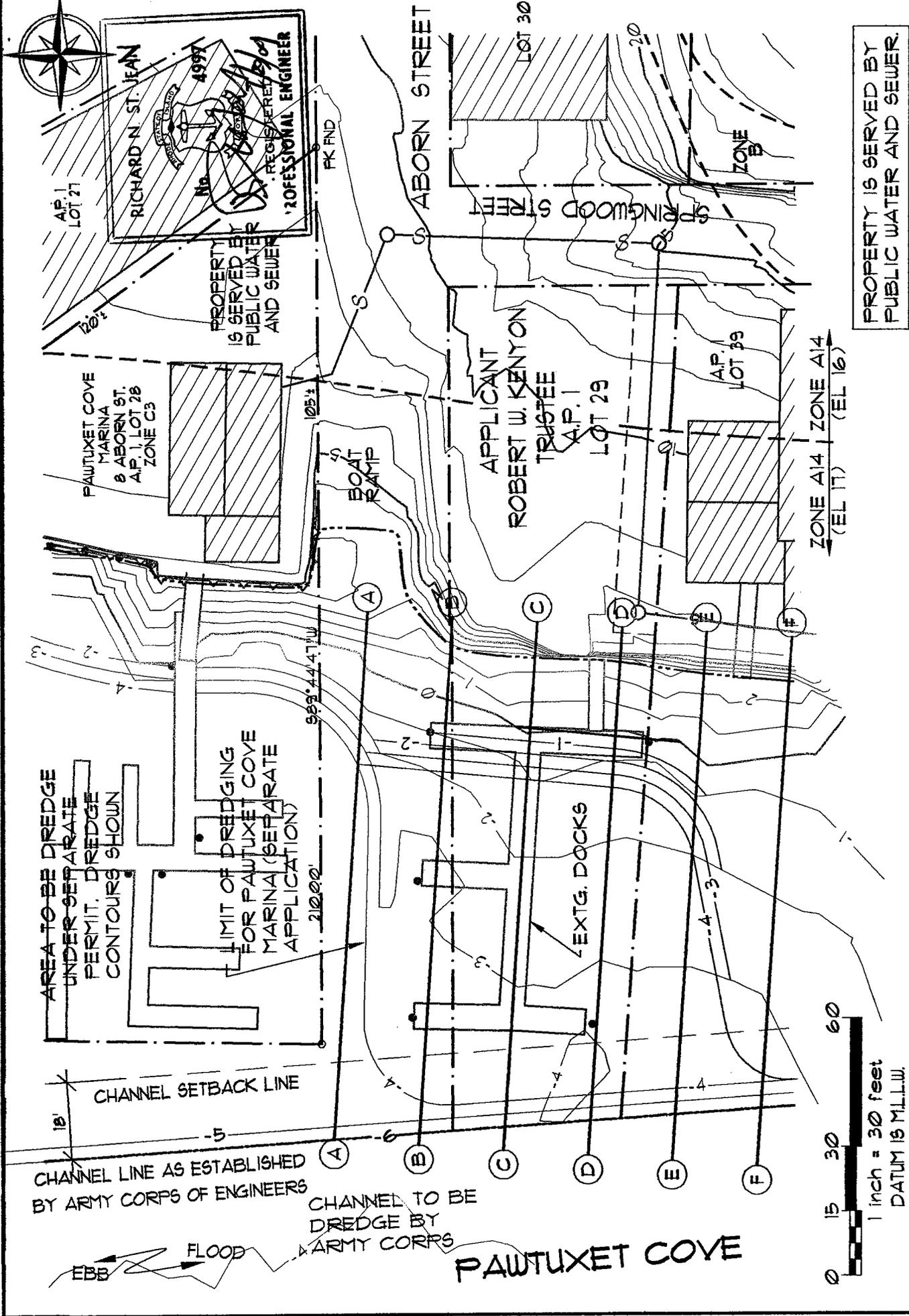
ST. JEAN ENGINEERING, LLC
 Civil and Structural Engineering
 1145 Middle Road East Greenwich, RI 02818
 Tel. 401.938-0999

ROBERT W. KENTON - EXISTING CONDITIONS

LOCATION: PAUTUXET COVE
 PLAT NO. 1 LOT 29
 ABORN & SPRINGWOOD ST.
 CRANSTON, RI 02906

APPLICATION BY: ROBERT KENTON
 c/o 389 BLACKSTONE BLVD., APT. 391
 PROVIDENCE, RHODE ISLAND 02906

DATE: JULY 12, 2004
 SHEET 6 OF 10



PROPERTY IS SERVED BY PUBLIC WATER AND SEWER.

ROBERT W. KENTON - PROPOSED DREDGING	
LOCATION: FAUTUXET COVE PLAT NO. 1, LOT 29 ABORN & SPRINGWOOD ST. GRANSTON, RI 02905	APPLICATION BY: ROBERT KENTON c/o 385 BLACKSTONE BLVD, APT. B31 PROVIDENCE, RHODE ISLAND 02906
ST. JEAN ENGINEERING, LLC Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel. 401/984-0999	DATE: JULY 12, 2004 SHEET: 3 OF 10

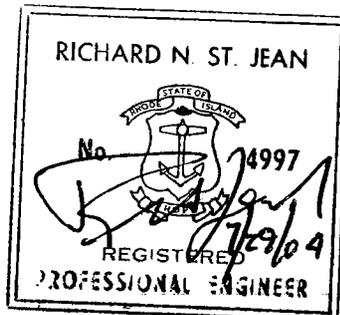
QUANTITY ESTIMATE OF DREDGE MATERIAL

Robert W. Kenyon
Corner of Aborn and Springwood St.,
Cranston, RI 02905

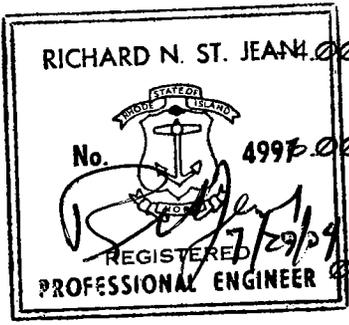
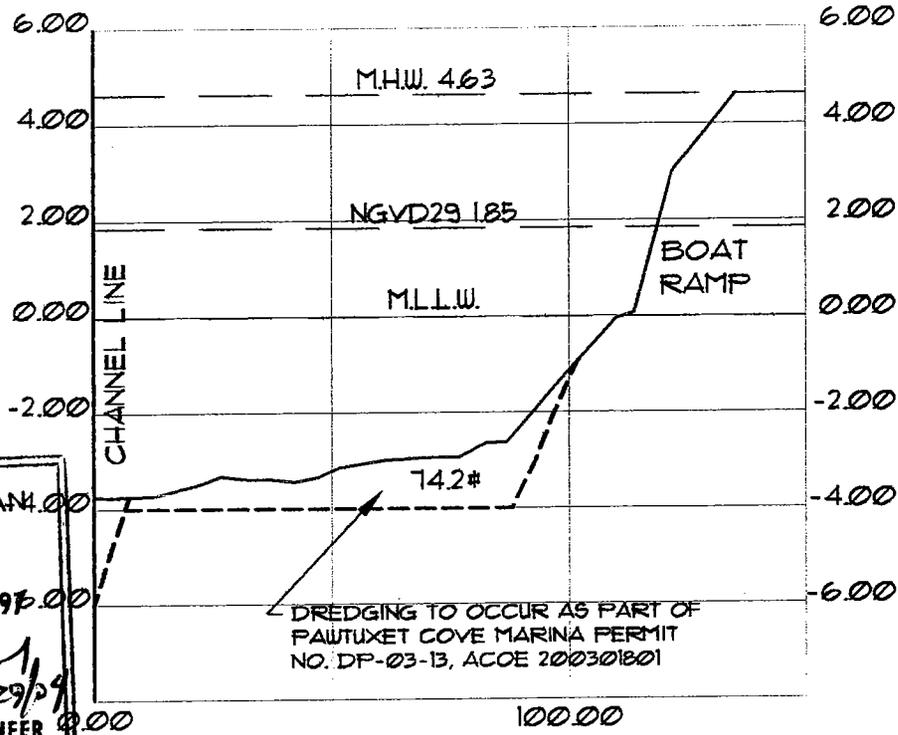
DREDGE VOLUME MAINTAINING 20 FT. CLEARANCE TO STRUCTURES
MAX. DEPTH OF DREDGING -4.0 FT. M.L.L.W.

SECTION	STATION	AREA	AVE. AREA SQUARE FOOT	VOLUME CUBIC YARD	TOTAL VOLUME CUBIC YARD
A-A	0	74.2	0.00	0.00	
B-B	20	78.7	76.45	42.47	42.47
C-C	40	123	100.85	56.03	98.50
D-D	60	93.4	108.20	60.11	158.61
E-E	80	81.8	87.60	48.67	207.28
F-F	100	0	40.90	22.72	230.00

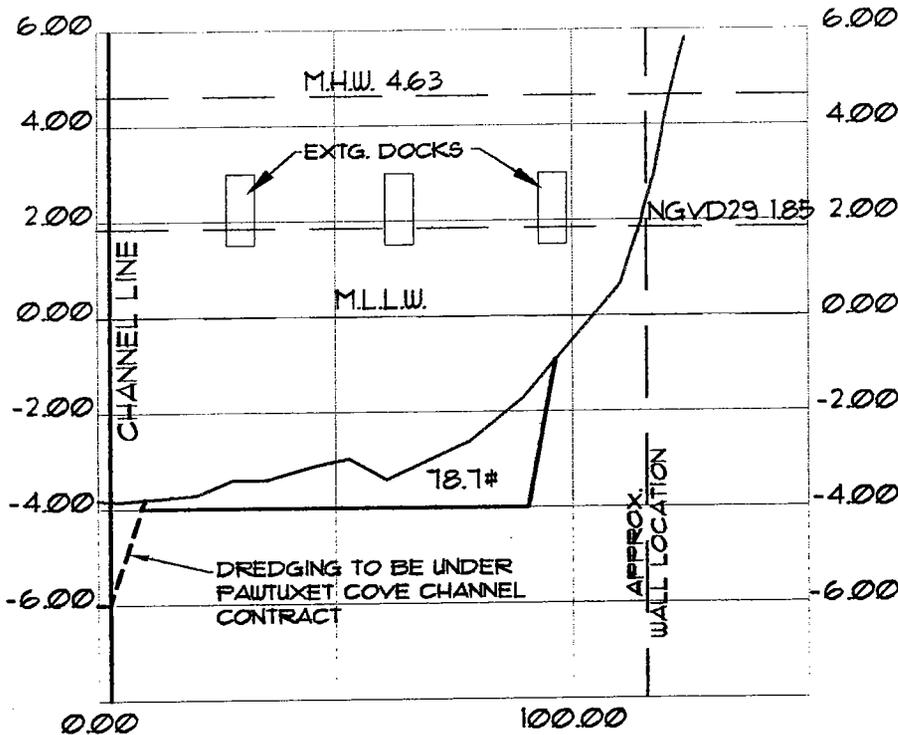
Total Estimated Volume: 230 cubic yards
(For dredging to 4 ft. below M.L.L.W.)



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SECTION A-A STA. 0+00

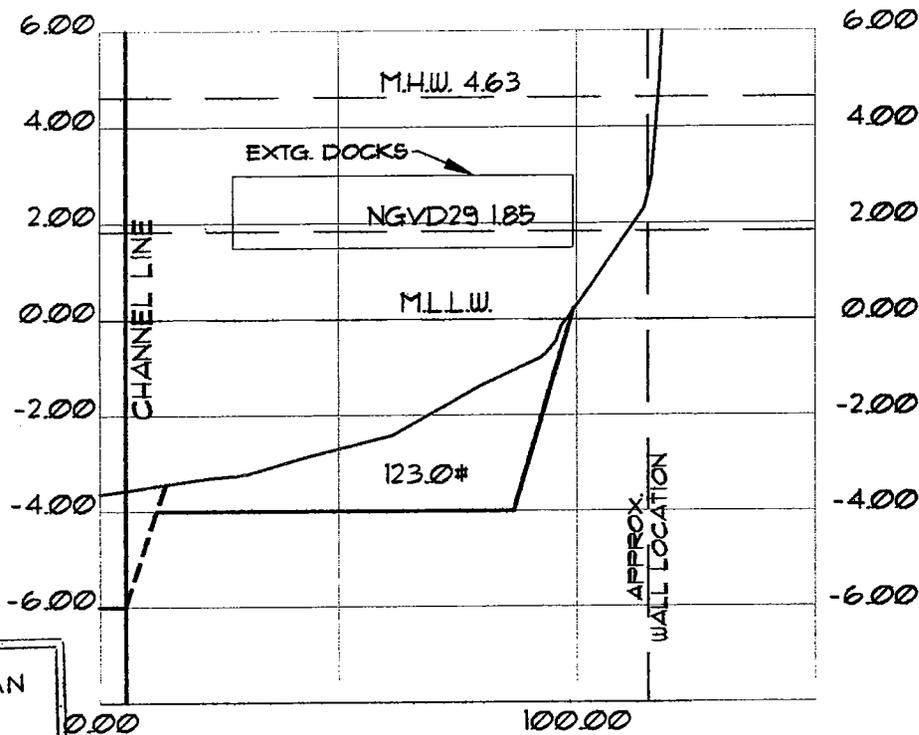


SECTION B-B STA. 0+20

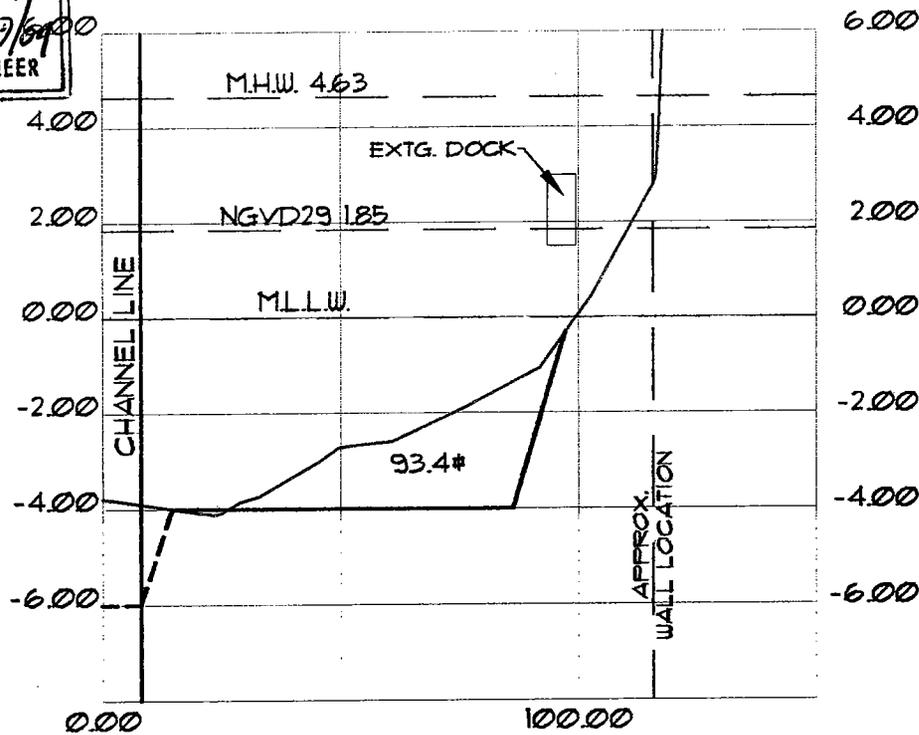
DATUM: MLW
MEAN TIDE RANGE = 4.45'

SCALE: 1" = 40ft. HORIZ.
1" = 4' VERT.

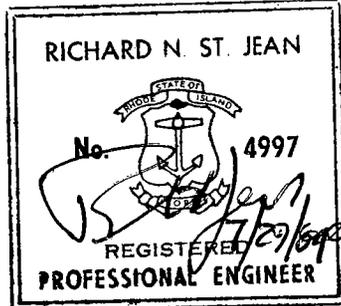
ST. JEAN ENGINEERING, LLC <small>Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999</small>	ROBERT W. KENYON CROSS SECTIONS		DATE JULY 12, 2004
	LOCATION: FAWTUXET COVE PLAT NO. 1, LOT 29 ABOURN 4 SPRINGWOOD ST. CRANSTON, RI 02905	APPLICATION BY: ROBERT KENYON c/o 355 BLACKSTONE BLVD., APT. 531 PROVIDENCE, RHODE ISLAND 02906	SHEET OF 78 910



SECTION C-C STA. 0+40



SECTION D-D STA. 0+60



DATUM: MLW
MEAN TIDE RANGE = 4.45'

SCALE: 1" = 40ft. HORIZ.
1" = 4' VERT.

ST. JEAN ENGINEERING, LLC

Civil and Structural Engineering
1145 Middle Road East Greenwich, RI 02818
Tel/Fax (401)398-0999

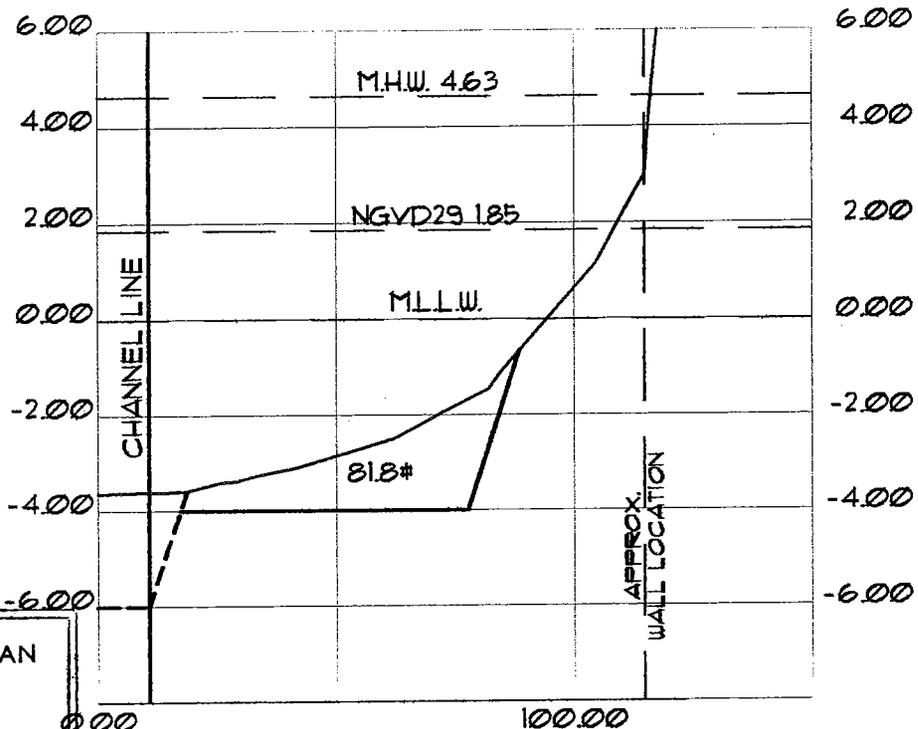
**ROBERT W. KENYON
CROSS SECTIONS**

LOCATION:
FAUUXET COVE
FLAT NO. 1, LOT 29
ABORN 4 SPRINGWOOD ST.
CRANSTON, RI 02905

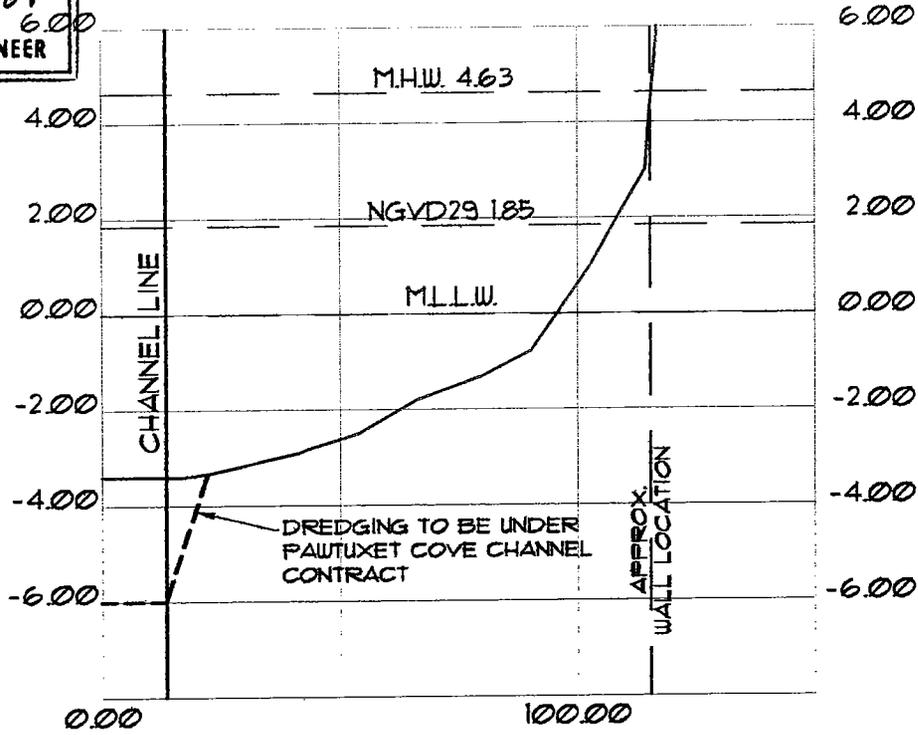
APPLICATION BY:
ROBERT KENYON
c/o 355 BLACKSTONE BLVD., APT. 531
PROVIDENCE, RHODE ISLAND 02906

DATE
JULY 12, 2004

SHEET OF
20 9/10



SECTION E-E STA. 0+80



SECTION F-F STA. 1+00

RICHARD N ST JEAN
 No. 4997
 REGISTERED PROFESSIONAL ENGINEER
 7/29/04

DATUM: MLW
 MEAN TIDE RANGE = 4.45'

SCALE: 1" = 40ft. HORIZ.
 1" = 4' VERT.

ST. JEAN ENGINEERING, LLC

**ROBERT W. KENYON
 CROSS SECTIONS**

DATE
 JULY 12, 2004

Civil and Structural Engineering
 1145 Middle Road East Greenwich, RI 02818
 Tel/Fax: (401)398-0999

LOCATION:
 PAWTUXET COVE
 FLAT NO. 1 LOT 73
 ABORN 4 SPRINGWOOD ST.
 CRANSTON, RI 02905

APPLICATION BY:
 ROBERT KENYON
 c/o 355 BLACKSTONE BLVD., APT. 531
 PROVIDENCE, RHODE ISLAND 02906

SHEET OF
 14 9/16