



US Army Corps
of Engineers®
New England District
696 Virginia Road
Concord, MA 01742-2751

Date: March 30, 2004
Comment Period Ends: April 29, 2004
File Number: 200301800/200301801/200301960/
200302261/200302262
In Reply Refer To: Stephen D. DiLorenzo
Or by e-mail:Stephen.d.dilorenzo@usace.army.mil

This is a joint public notice for five projects located in Pawtuxet Cove including GEORGE M. TAPPER, 84 Sea View Avenue; DONALD R. THEROUX, 75 Sea View Avenue; PAWTUXET COVE MARINA, 8 Aborn Street, 69 & 81 Fort Avenue (all from Cranston, Rhode Island); and EDMUND D. FULLER, 15 Bayside Avenue; and SANDRA A. LANNI, 12 Bayside Avenue (both from Warwick, Rhode Island).

Geoffrey M. Tapper (200301800) 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 21,000 square feet to 5.0' mean low water. The dredging will remove approximately 710 cubic yards by mechanical means from the Pawtuxet River. This project is shown on the attached plans entitled "84 SEAVIEW AVE. CRANSTON, RHODE ISLAND" in 9 sheets dated "AUGUST 10, 2003".

The purpose of the dredging is to restore adequate depths for navigating of privately owned recreational boats in and out of Pawtuxet Cove.

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462575 N and 30145 E.

Pawtuxet Cove Marina (200301801) 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 67,000 square feet to 4.0' mean low water. The dredging will remove approximately 3,320 cubic yards of sediments by mechanical means from the Pawtuxet River. This project is shown on the attached plans entitled "PAWTUXET COVE MARINA" in 13 sheets dated "AUGUST 1, 2003".

The purpose of the dredging is to remove material that has accumulated within the dock and slip areas and along the shoreline to provide safe access to boat slips.

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462620 N and 30115 E.

Donald R. Theroux (200301960) 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 7,500 square feet to 5.0' mean low water. The dredging will remove approximately 900 cubic yards by mechanical means from the Pawtuxet River. The applicant also proposes to construct a 4' x 160' residential pier with 2 floats. The structure will extend approximately 160' from mean high water. This project is shown on the attached plans entitled "75 SEAVIEW AVE. CRANSTON, RHODE ISLAND" in 9 sheets dated "AUGUST 1, 2003".

The purpose of the dredging is to create adequate depths for navigating privately owned recreational boats to and from the proposed structure.

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462585 N and 30150 E.

Sandra A. Lanni (200302261) 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 5,570 square feet to 5.0' mean low water. The dredging will remove approximately 505 cubic yards by mechanical means from the Pawtuxet River. This project is shown on the attached plans entitled "12 BAYSIDE Ave., WARWICK, RHODE ISLAND" in 8 sheets dated "SEPTEMBER 2, 2003".

The purpose of the dredging is to restore adequate depths for navigating privately owned recreational boats in and out of the project area.

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462555 N and 30155 E.

Edmund D. Fuller (200302262) 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 4,750 square feet to 5.0' mean low water. The dredging will remove approximately 405 cubic yards by mechanical means from the Pawtuxet River. This project is shown on the attached plans entitled "13 BAYSIDE AVE., WARWICK, RI" in 9 sheets dated "AUGUST 30, 2003".

The purpose of the dredging is to restore adequate depths for navigating privately owned recreational boats within the project area.

This project is located on the USGS PROVIDENCE, RI quadrangle sheet at UTM coordinates 462575 N and 30130 E.

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 and shown on sheet 7. This is an open water site, which provides Essential Fish Habitat that is described on sheets 5 and 6. Loss of this habitat may adversely affect habitat or species located on sheets 5 and 6; 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 proposed by Pawtuxet Cove Marina will impact approximately 67,000 SF of Essential Fish Habitat (EFH), George M. Tapper's project will impact approximately 21,000 SF of EFH, Donald R. Theroux's project will impact approximately 7,500 SF of EFH, Edmund D. Fuller's project will impact approximately 4,750 SF of EFH, Sandra A. Lannie's project will impact approximately 5,570 SF of EFH for species and life stages located on sheets 5 and 6. 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.

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

AMERICAN RIVER - 4000' - 93600.00

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:

- (x) Permit, License or Assent from State.
- () Permit from Local Wetland Agency or Conservation Commission.
- (x) 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

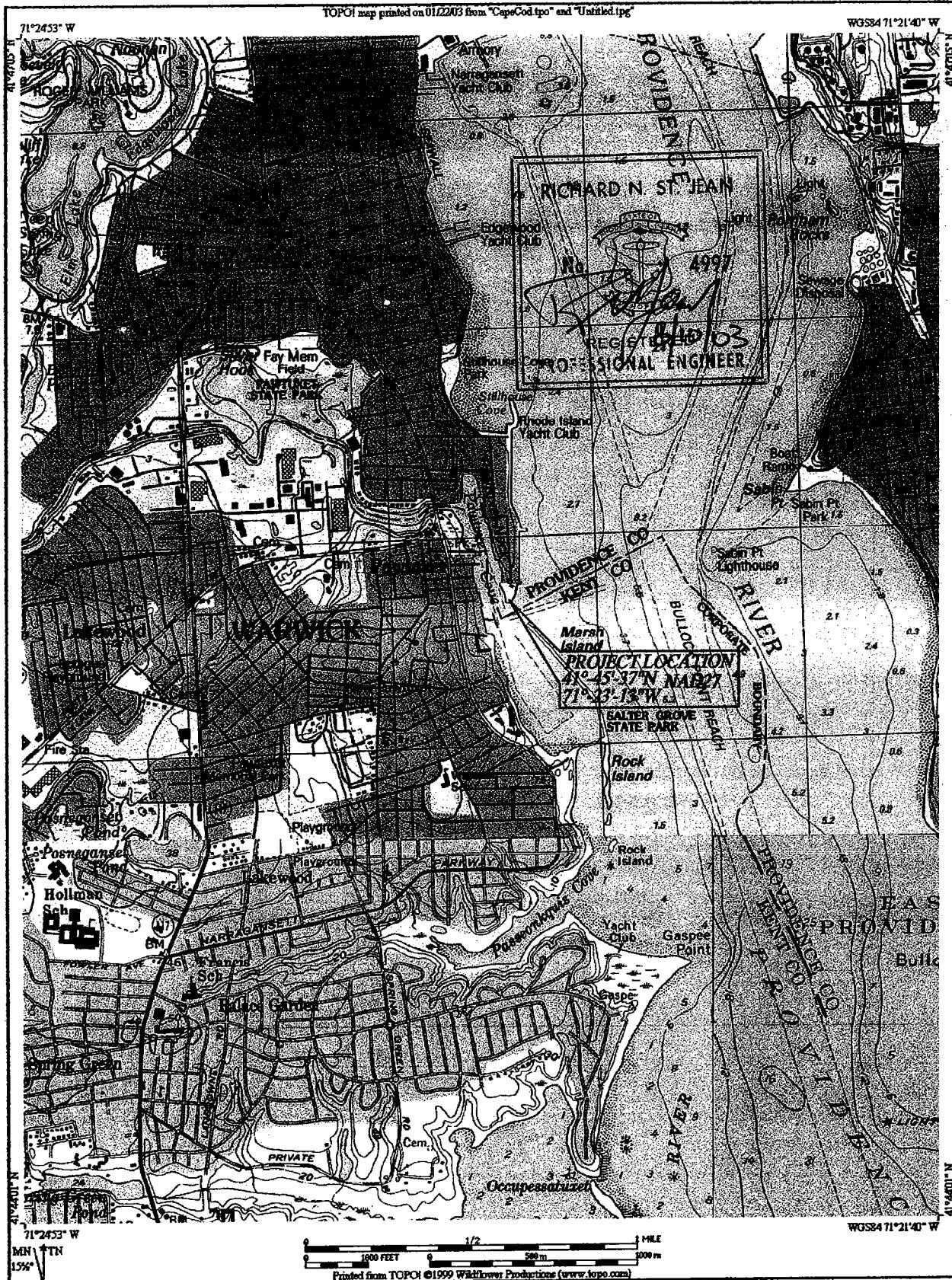
10' x 10' Square Coordinates:

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>Scophthalmus 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>Centropristes 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



ST. JEAN ENGINEERING, LLC

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

84 SEAVIEW AVE., CRANSTON, RHODE ISLAND
USGS Map Sections: Providence, East Providence, Bristol
and East Greenwich Quadrangles

LOCATION:
84 SEAVIEW AVE.
FLAT NO. 1, LOT 162
CRANSTON, RI 02905

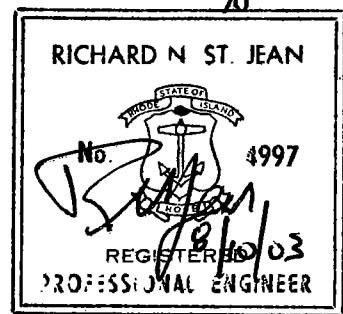
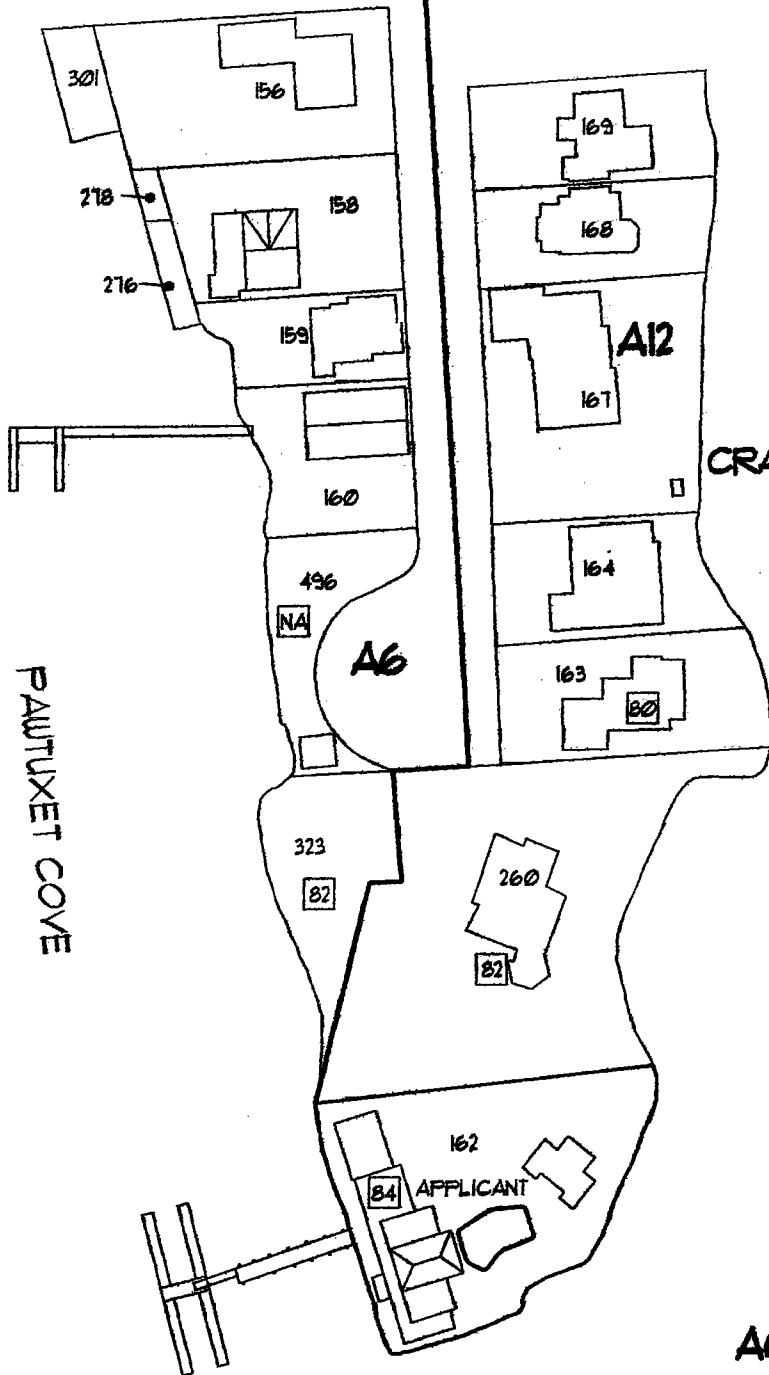
APPLICATION BY:
GEOFFREY M. TAPPER
84 SEAVIEW AVE.
CRANSTON, RHODE ISLAND 02905

DATE
AUGUST 10, 2003

SHEET OF

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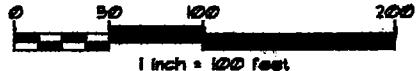
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A6 ————— ZONING DESIGNATION
143 ASSESSORS LOT NO.
70 STREET NO.

NOTE:

I. ALL LOTS SHOWN ARE A PORTION OF CITY OF CRANSTON ASSESSORS MAP NO. 1



ST. JEAN ENGINEERING, LLC	84 SEAVIEW AVE., CRANSTON, RHODE ISLAND ABUTTERS PLAN		DATE AUGUST 10, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tele: (401)397-6399	LOCATION: 84 SEAVIEW AVE. PLAT NO. 1, LOT 162 CRANSTON, RI 02925	APPLICATION BY: GEOFFREY M. TAPPER 84 SEAVIEW AVE. CRANSTON, RHODE ISLAND 02925	SHEET OF 3 11

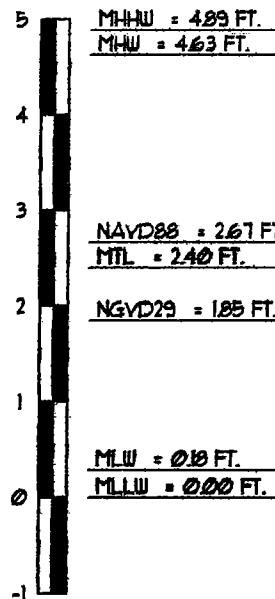
LEGEND

— — — —	PROPERTY LINE	× 12	EXISTING SPOT GRADE
5	EXISTING CONTOUR	× 12	PROPOSED SPOT GRADE
5	PROPOSED CONTOUR	~~~~~	PROPOSED BULKHEAD
—	EXISTING SEWER	○○○○○○○○○○	EXISTING STONE WALL
—	PROPOSED SEWER	×—×—×—×	EXISTING FENCE LINE
—	EXISTING WATER LINE	● B-2	BORING
—	PROPOSED WATER LINE	—	FLOOD ZONE BOUNDARY
—	EXISTING DRAINAGE LINE	•	EXISTING HYDRANT
—	PROPOSED DRAINAGE LINE	▲ NECPB	EXISTING POLE
○ SMH	EXISTING SEWER MANHOLE		EXISTING SLOPE
○ DMH	EXISTING DRAINAGE MANHOLE	—	SHORE LINE
○ MH	PROPOSED MANHOLE	○ IP	IRON PIPE FOUND
~~~~~	EXISTING TREE LINE	○○○○○	STONES/BOULDERS
▨	EXISTING BUILDING		
▨	PROPOSED BUILDING		

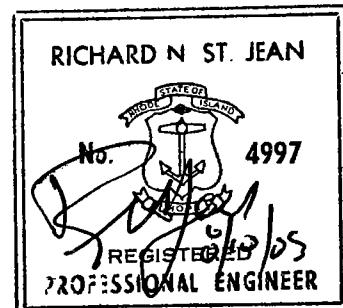
## ABBREVIATIONS

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

INFORMATION FOR TIDAL BENCHMARK PID - 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.

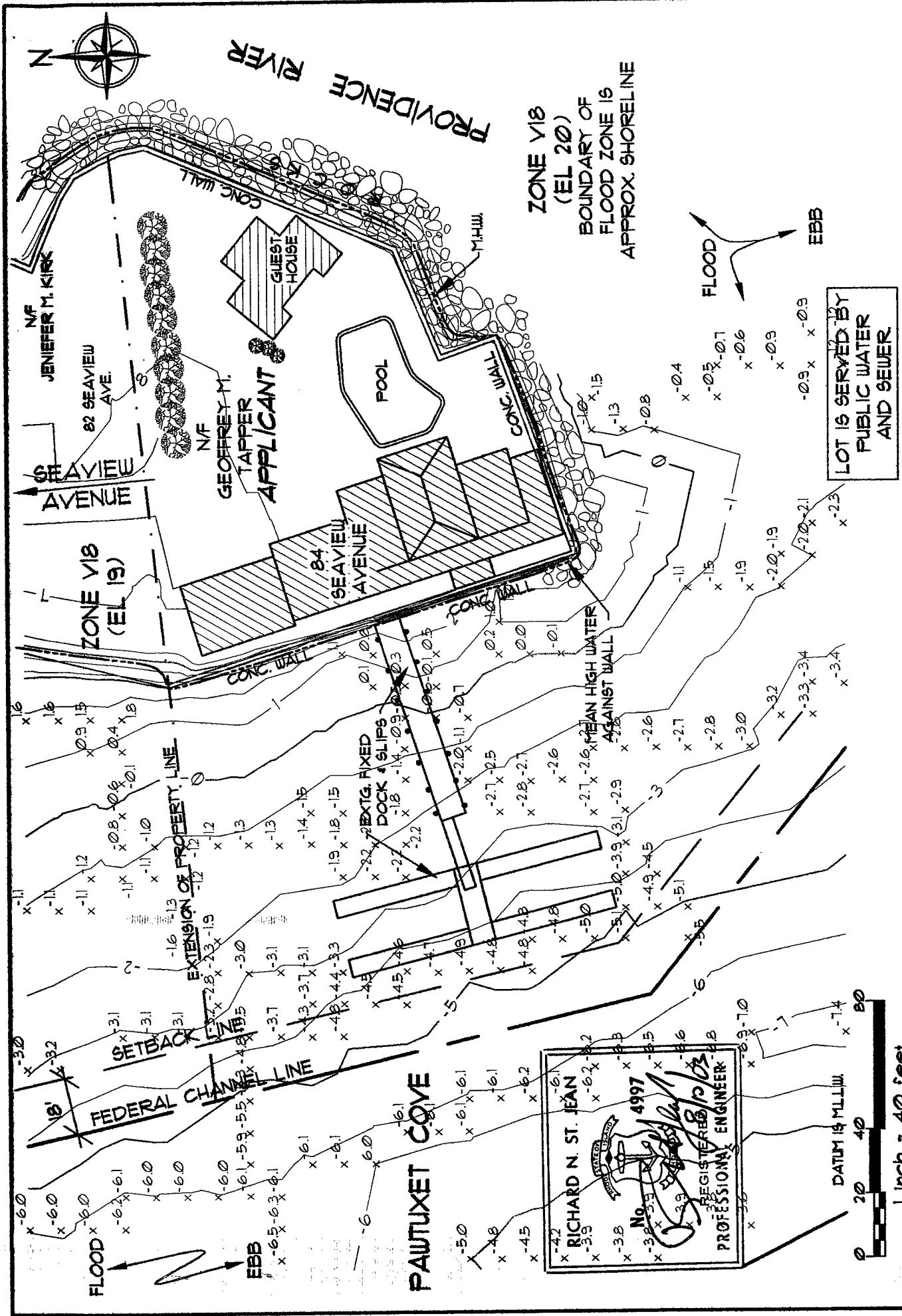


NOTE:  
ELEVATION DATA COORELATES  
CLOSELY WITH PID - LW0152  
LOCATED STATE PIER NO. I



## DATUM INFORMATION

ST. JEAN ENGINEERING, LLC	84 SEAVIEW AVE., CRANSTON, RHODE ISLAND LEGEND & ABBREVIATIONS		DATE AUGUST 10, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)888-6899	LOCATION 84 SEAVIEW AVE. PLAT NO. 1, LOT 162 CRANSTON, RI 02905	APPLICATION BY: GEOFFREY M. TAPPER 84 SEAVIEW AVE. CRANSTON, RHODE ISLAND 02905	SHEET OF 4 II



ST. JEAN ENGINEERING, LLC

**84 SEAVIEW AVE., - EXISTING CONDITIONS**

LOCATION: 84 BEAVIEW AVE.  
PLAT NO. 1, LOT 162  
GRANSTON, SHORE ISLAND 03623  
APPLICATION BY  
BENJAMIN M. TAPPER  
84 BEAVIEW AVE.  
GRANSTON, SHORE ISLAND 03623  
REVISIONS:

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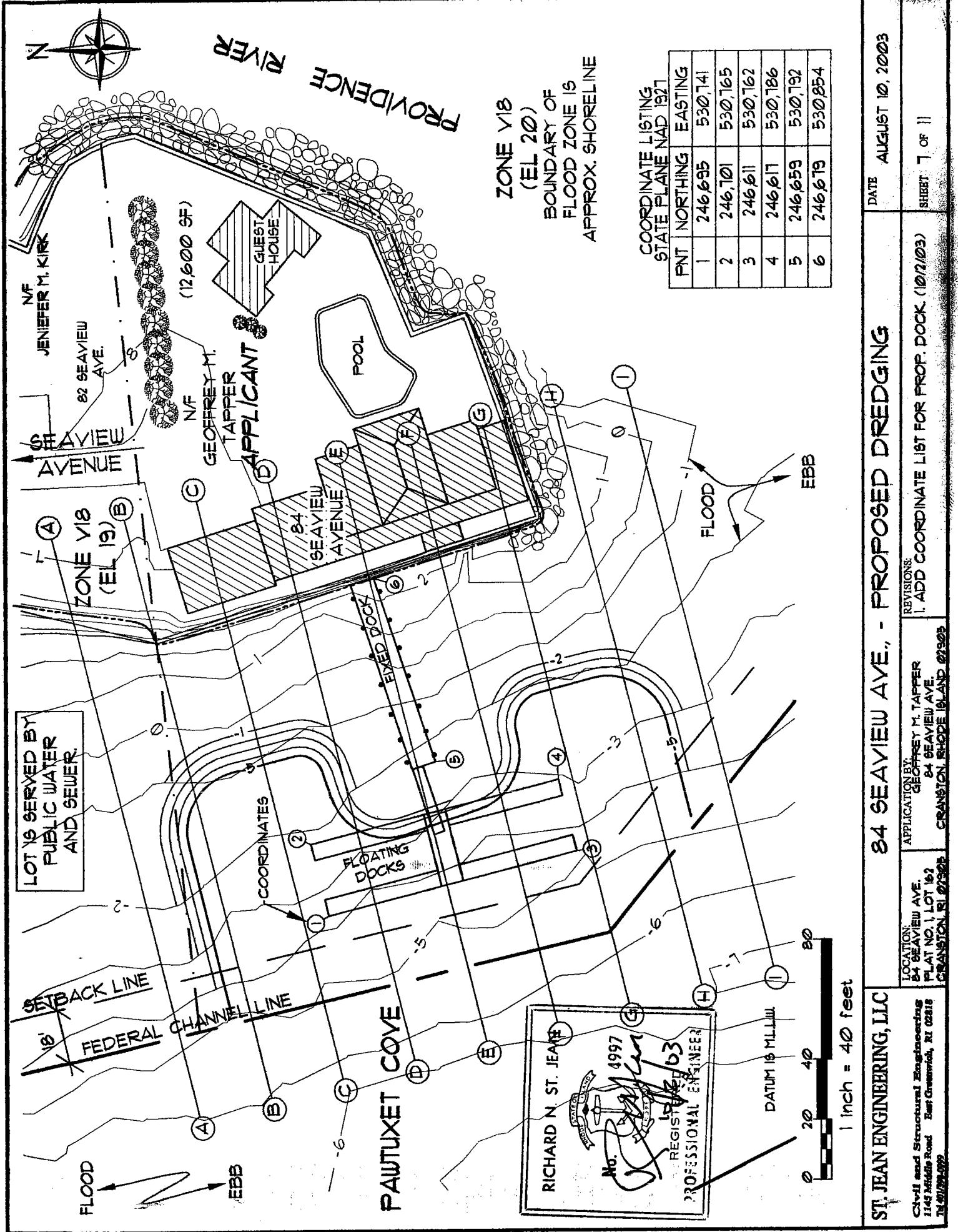
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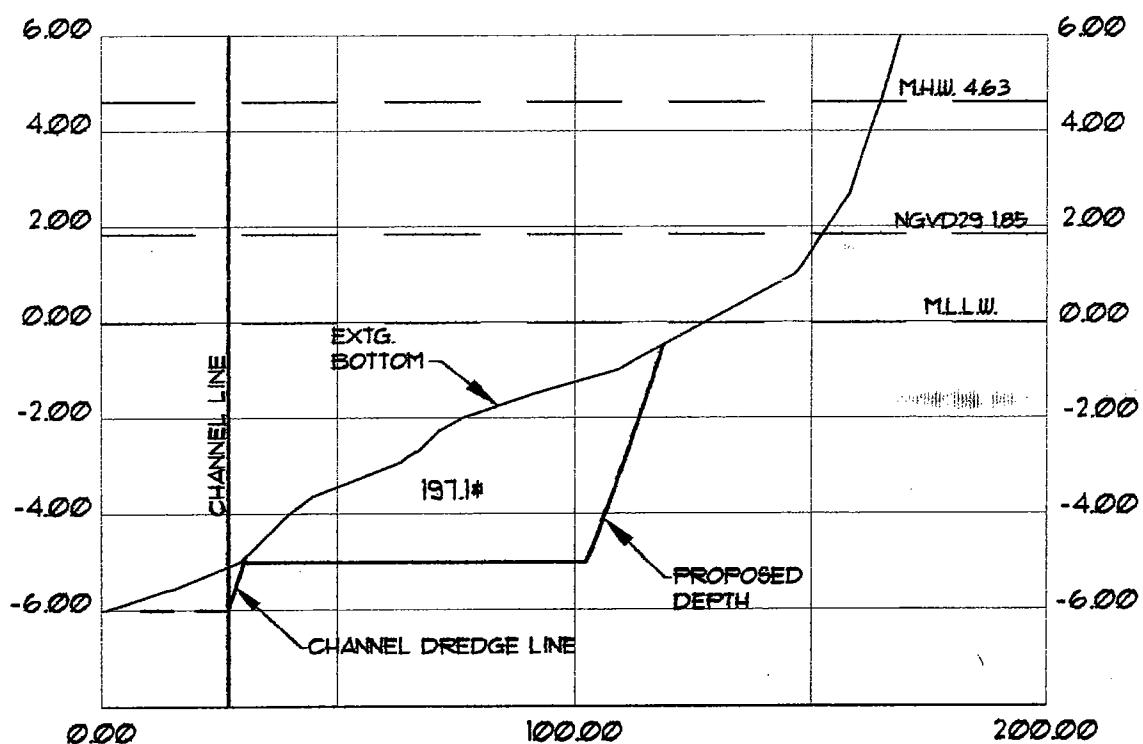
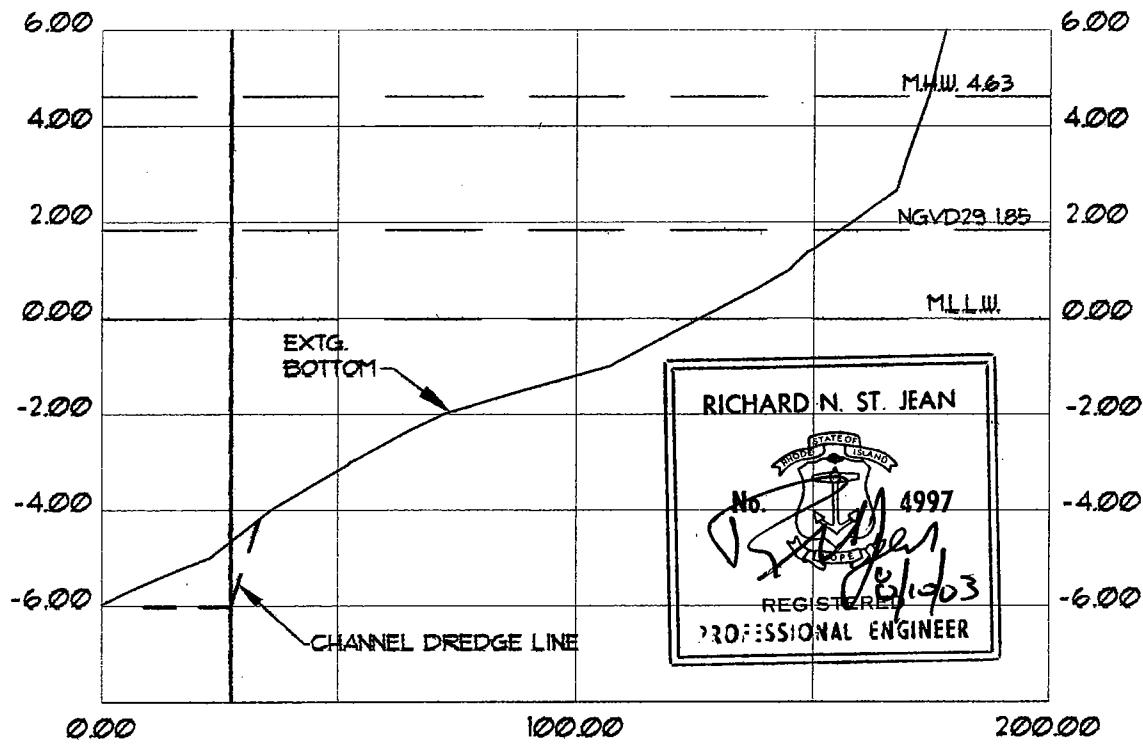
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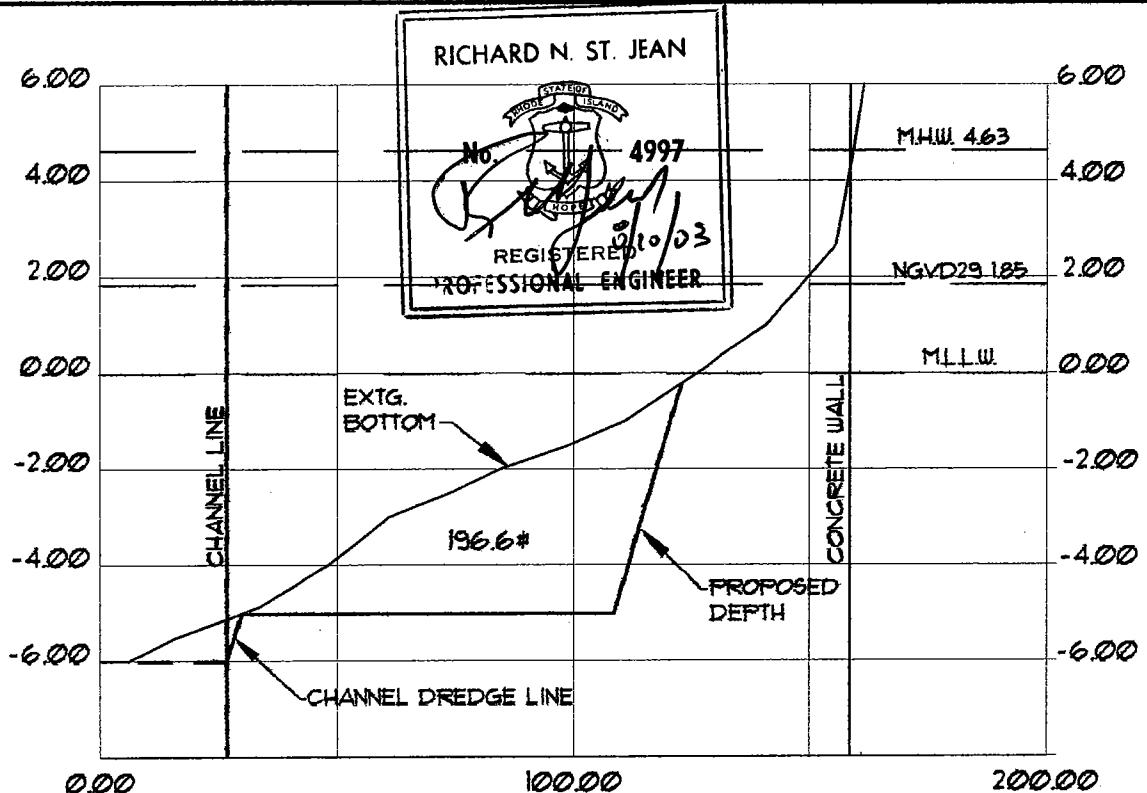




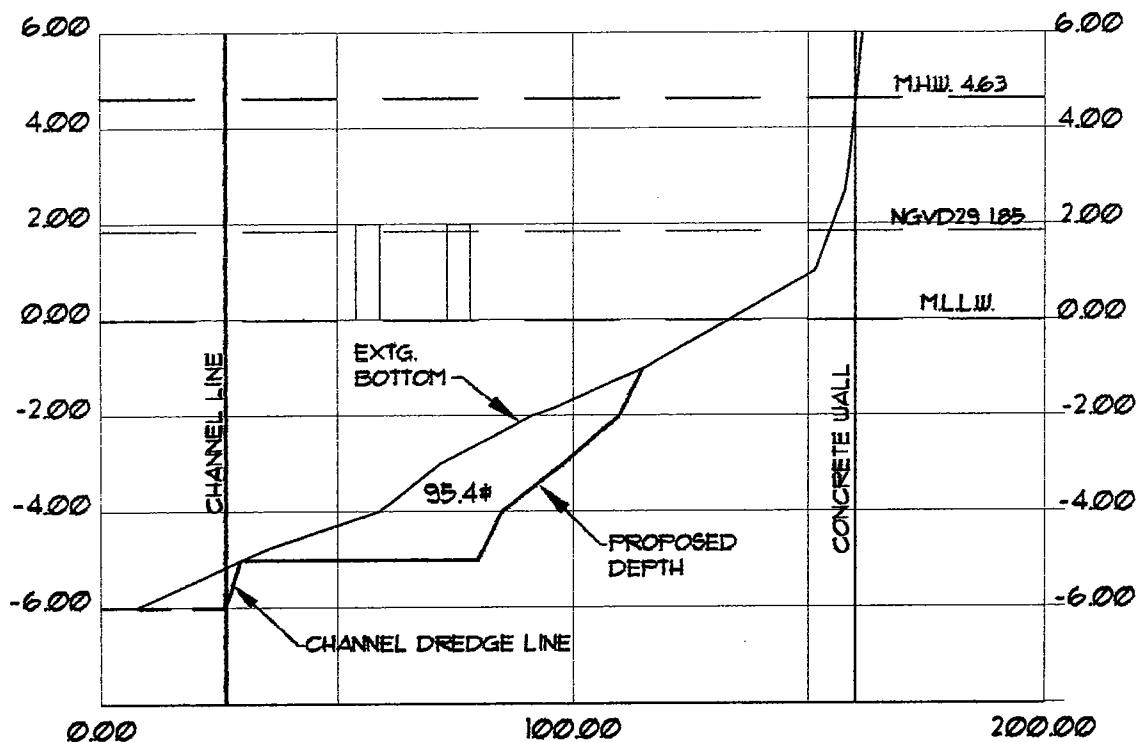
DATUM: MLW  
MEAN TIDE RANGE = 4.45'

SECTION B-B STA. 0+25

ST. JEAN ENGINEERING, LLC	84 SEAVIEW AVENUE, CRANSTON, RI CROSS SECTIONS		DATE AUGUST 10, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	LOCATION: 84 SEAVIEW AVE. FLAT NO. 1, LOT 162 CRANSTON, RI 02905	APPLICATION BY: GEOFFREY M. TAPPER 84 SEAVIEW AVE. CRANSTON, RHODE ISLAND 02905	SHEET OF 8 11



SECTION C-C STA. 0+50



SECTION D-D STA. 0+75

DATUM: MLW  
MEAN TIDE RANGE = 4.45'

ST. JEAN ENGINEERING, LLC

84 SEAVIEW AVENUE, CRANSTON, RI  
CROSS SECTIONS

DATE  
AUGUST 10, 2003

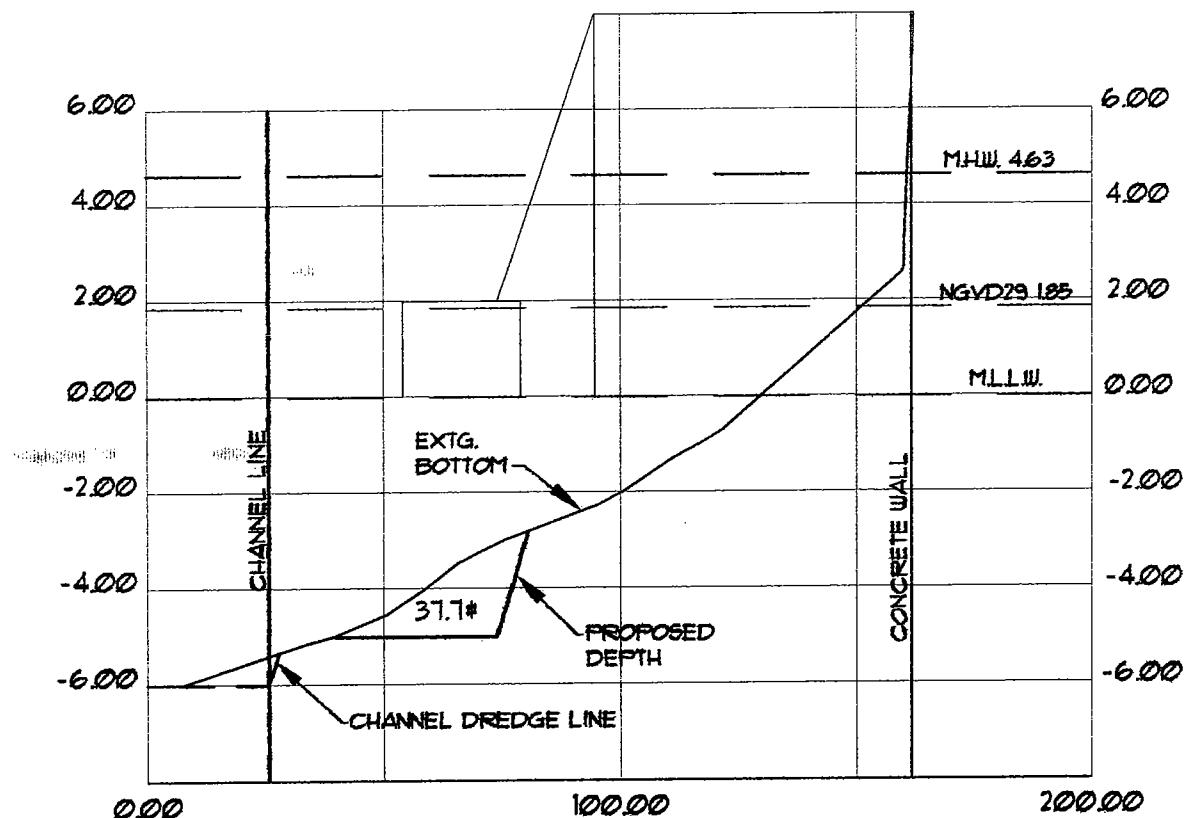
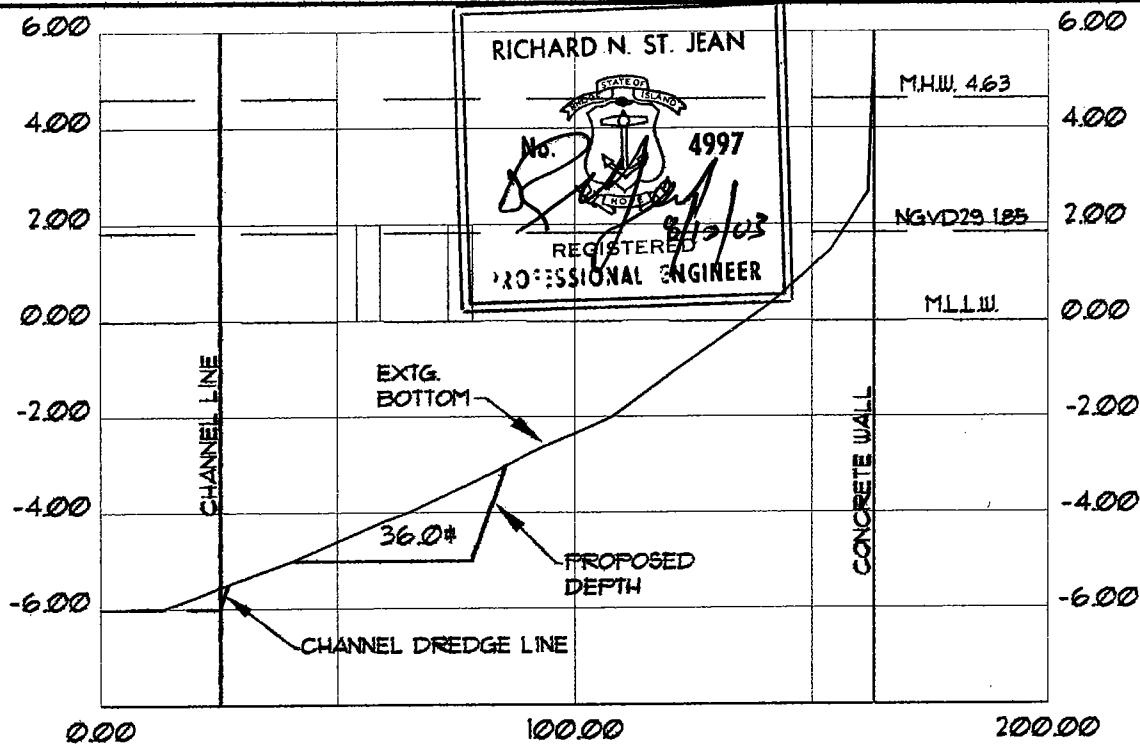
Civil and Structural Engineering  
1145 Middle Road East Greenwich, RI 02818  
Tel/Fax: (401) 868-0899

LOCATION:  
84 SEAVIEW AVE.  
PLAT NO. 1, LOT 162  
CRANSTON, RI 02905

APPLICATION BY:

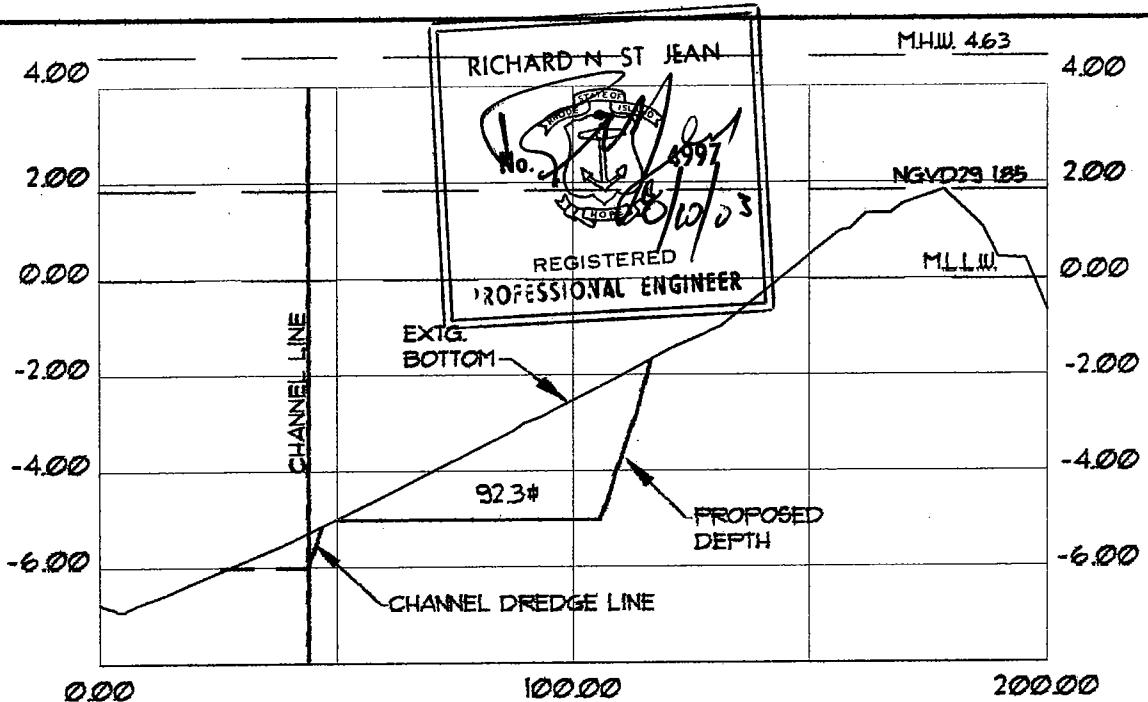
GEOFFREY M. TAPPER  
84 SEAVIEW AVE.  
CRANSTON, RHODE ISLAND 02905

SHEET OF

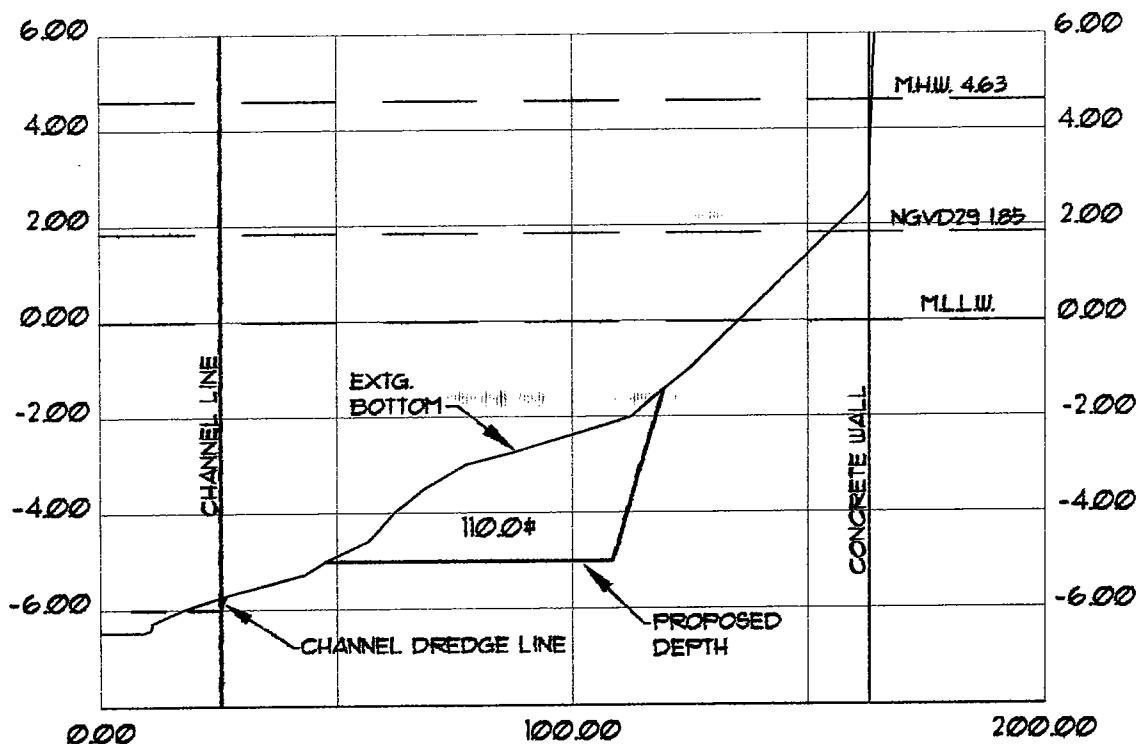


DATUM: MLW  
MEAN TIDE RANGE = 4.45'

ST. JEAN ENGINEERING, LLC	84 SEAVIEW AVENUE, CRANSTON, RI CROSS SECTIONS		DATE AUGUST 10, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401) 888-0599	LOCATION: 84 SEAVIEW AVE. PLAT NO. 1, LOT 162 CRANSTON, RI 02905	APPLICATION BY: GEOFFREY M. TAPPER 84 SEAVIEW AVE. CRANSTON, RHODE ISLAND 02905	SHEET OF 10 11



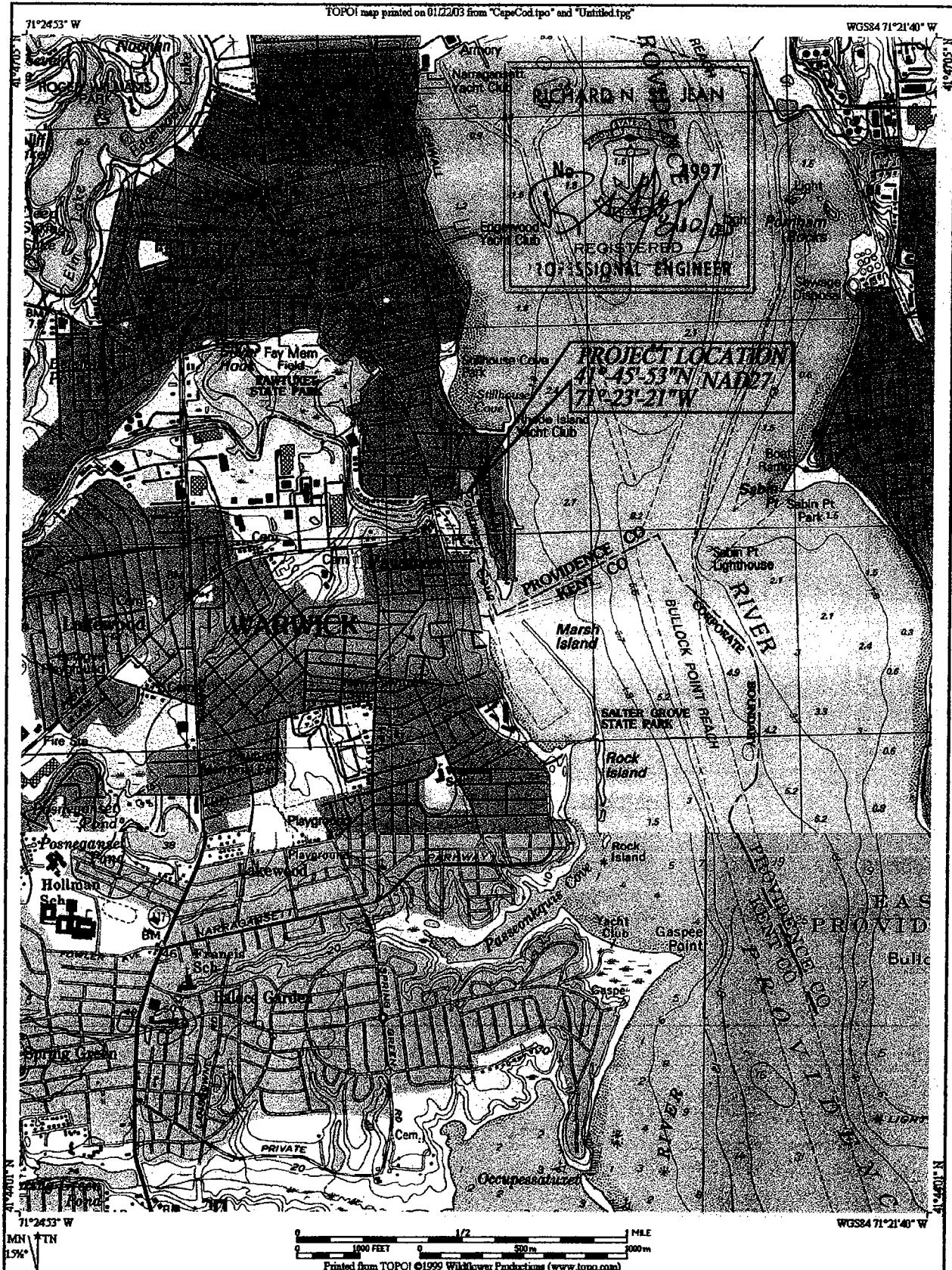
SECTION H-H STA. 1+75



SECTION G-G STA. 1+50

DATUM: MLW  
MEAN TIDE RANGE = 4.45'

ST. JEAN ENGINEERING, LLC	84 SEAVIEW AVENUE, CRANSTON, RI CROSS SECTIONS	DATE AUGUST 10, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)866-6999	LOCATION: 84 SEAVIEW AVE. PLAT NO. 1, LOT 162 CRANSTON, RI 02905	APPLICATION BY: GEOFFREY M. TAPPER 84 SEAVIEW AVE. CRANSTON, RHODE ISLAND 02905



**ST. JEAN ENGINEERING, LLC**

**PAUTUXET COVE MARINA**

**DATE**

**Civil and Structural Engineering**  
1145 Middle Road      East Greenwich, RI 02818  
Tel/Fax: (401)398-6999

**LOCATION:**  
PAWTUXET COVE MARINA  
PLAT NO. 1, LOTS 28, 88, 91  
ABORN ST. - FORT AVE  
CRANSTON, RI 02905

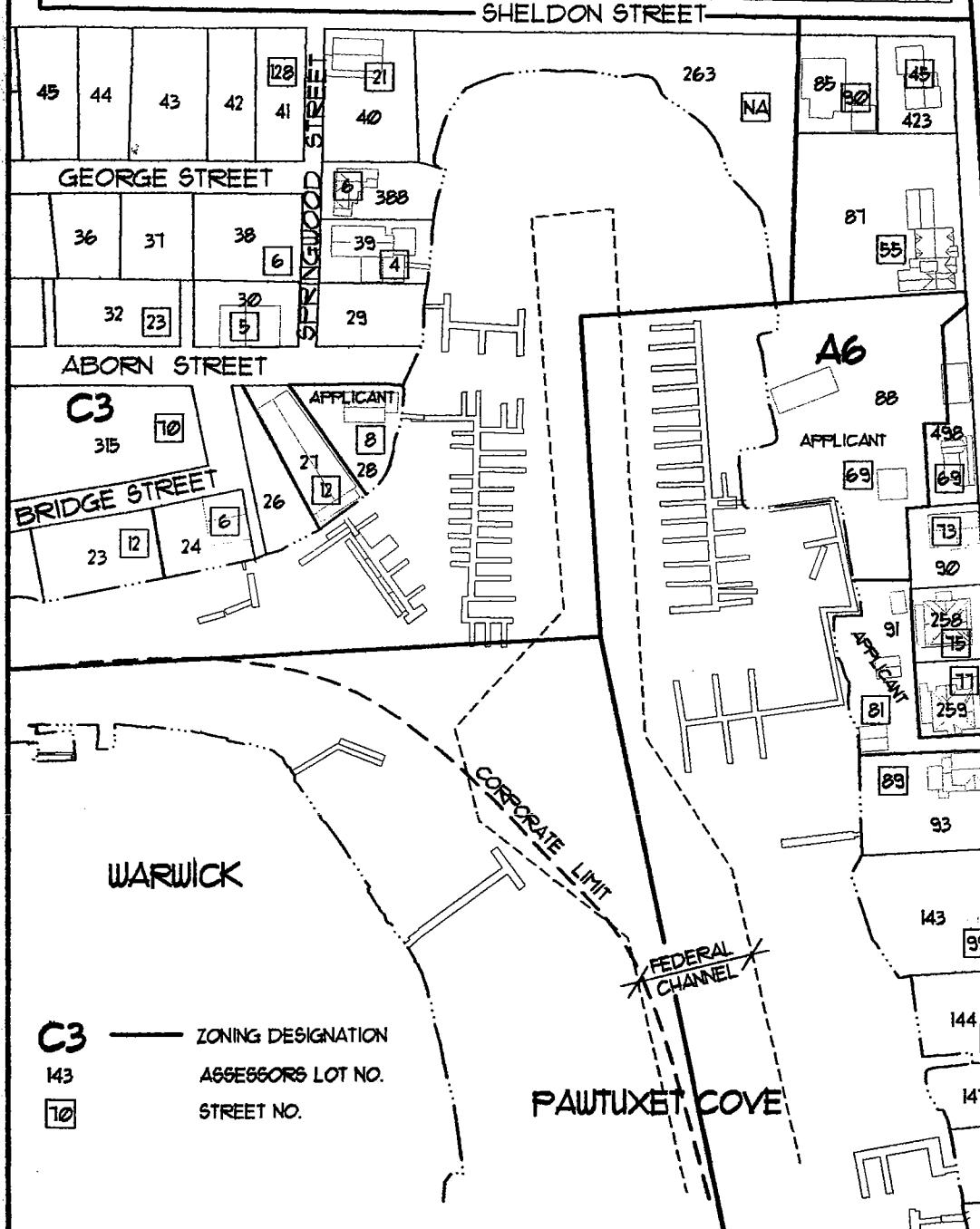
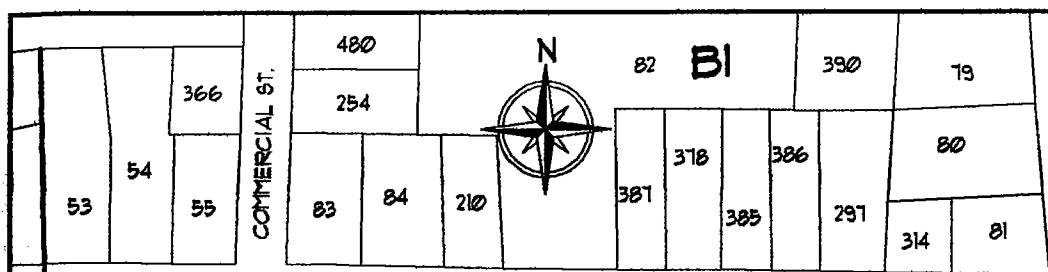
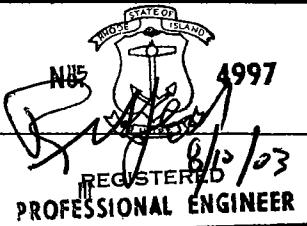
APPLICATION BY: RAY MOONEY  
SEA VIEW REALTY CORP.  
c/o 112B NARRAGANSETT BOULEVARD  
CRANSTON, RHODE ISLAND 02905

SHEET OF

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RICHARD N. ST. JEAN



ST. JEAN ENGINEERING, LLC

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

PAWTUXET COVE MARINA  
ABUTTERS PLAN & ZONING

LOCATION:  
PAWTUXET COVE MARINA  
PLAT NO. 1, LOTS 28, 82, 91  
ABORN ST. - FORT AVE.  
CRANSTON, RI 02905

APPLICATION BY:  
RAY MOONEY  
SEA VIEW REALTY CORP.  
c/o 1128 NARRAGANSETT BOULEVARD  
CRANSTON, RHODE ISLAND 02905

DATE  
AUGUST 1, 2003

SHEET OF

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## LEGEND

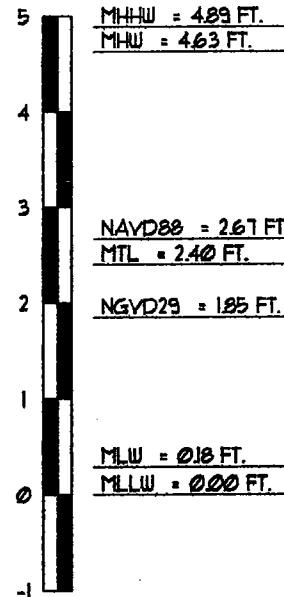
<u>— — — —</u>	PROPERTY LINE	x 1.2	EXISTING SPOT GRADE
<u>5</u>	EXISTING CONTOUR	x 7.2	PROPOSED SPOT GRADE
<u>5</u>	PROPOSED CONTOUR	<u>~~~~~</u>	PROPOSED BULKHEAD
<u>S</u>	EXISTING SEWER	<u>oooooooooooo</u>	EXISTING STONE WALL
<u>S</u>	PROPOSED SEWER	x-x-x-x-x	EXISTING FENCE LINE
<u>W</u>	EXISTING WATER LINE	B-2	BORING
<u>W</u>	PROPOSED WATER LINE	<u>—</u>	FLOOD ZONE BOUNDARY
<u>D</u>	EXISTING DRAINAGE LINE	◊	EXISTING HYDRANT
<u>D</u>	PROPOSED DRAINAGE LINE	Q NECOB	EXISTING POLE
o SMH	EXISTING SEWER MANHOLE	<u>     </u>	EXISTING SLOPE
o DMH	EXISTING DRAINAGE MANHOLE	<u>....</u>	SHORE LINE
o MH	PROPOSED MANHOLE	O IP	IRON PIPE FOUND
<u>~~~~~</u>	EXISTING TREE LINE	<u>oooooo</u>	STONES/BOULDERS
	EXISTING BUILDING		
	PROPOSED BUILDING		

INFORMATION FOR TIDAL BENCHMARK PID - LU0143  
FROM NGS DATA SHEET

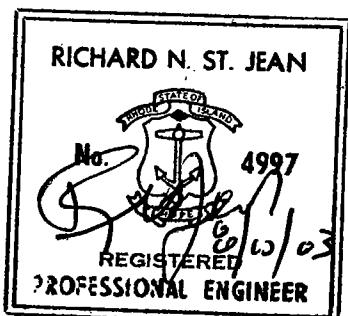
LOCATION: SET IN THE TOP OF A CONC. WALL AT THE SW END  
OF STEPS - ENTRANCE TO ST. PAUL CATHOLIC CHURCH AT  
THE SW WARWICK AVE. ENTRANCE.

## 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

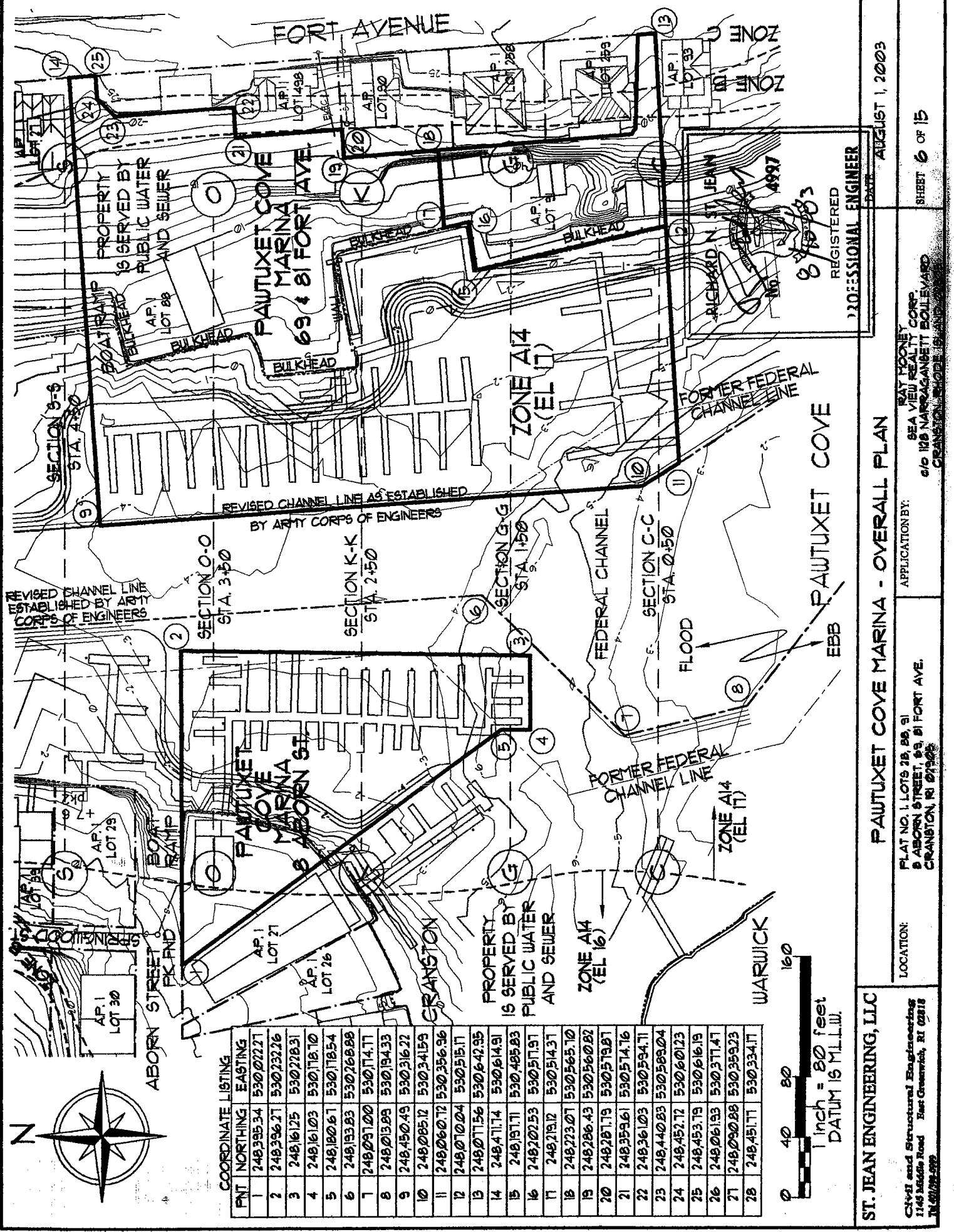


NOTE:  
ELEVATION DATA COORELATES  
CLOSELY WITH PID - LU0152  
LOCATED STATE PIER NO. 1



## DATUM INFORMATION

ST. JEAN ENGINEERING, LLC	PAWTUXET COVE MARINA LEGEND & ABBREVIATIONS		DATE AUGUST 1, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401) 888-0899	LOCATION: PAWTUXET COVE MARINA PLAT NO. 1, LOTS 28, 29, 31 CRANSTON, RI 02925	APPLICATION BY: RAY MOONEY SEA VIEW REALTY CORP. c/o 1128 NARRAGANSETT BOULEVARD CRANSTON, RHODE ISLAND 02925	SHEET OF 4 15

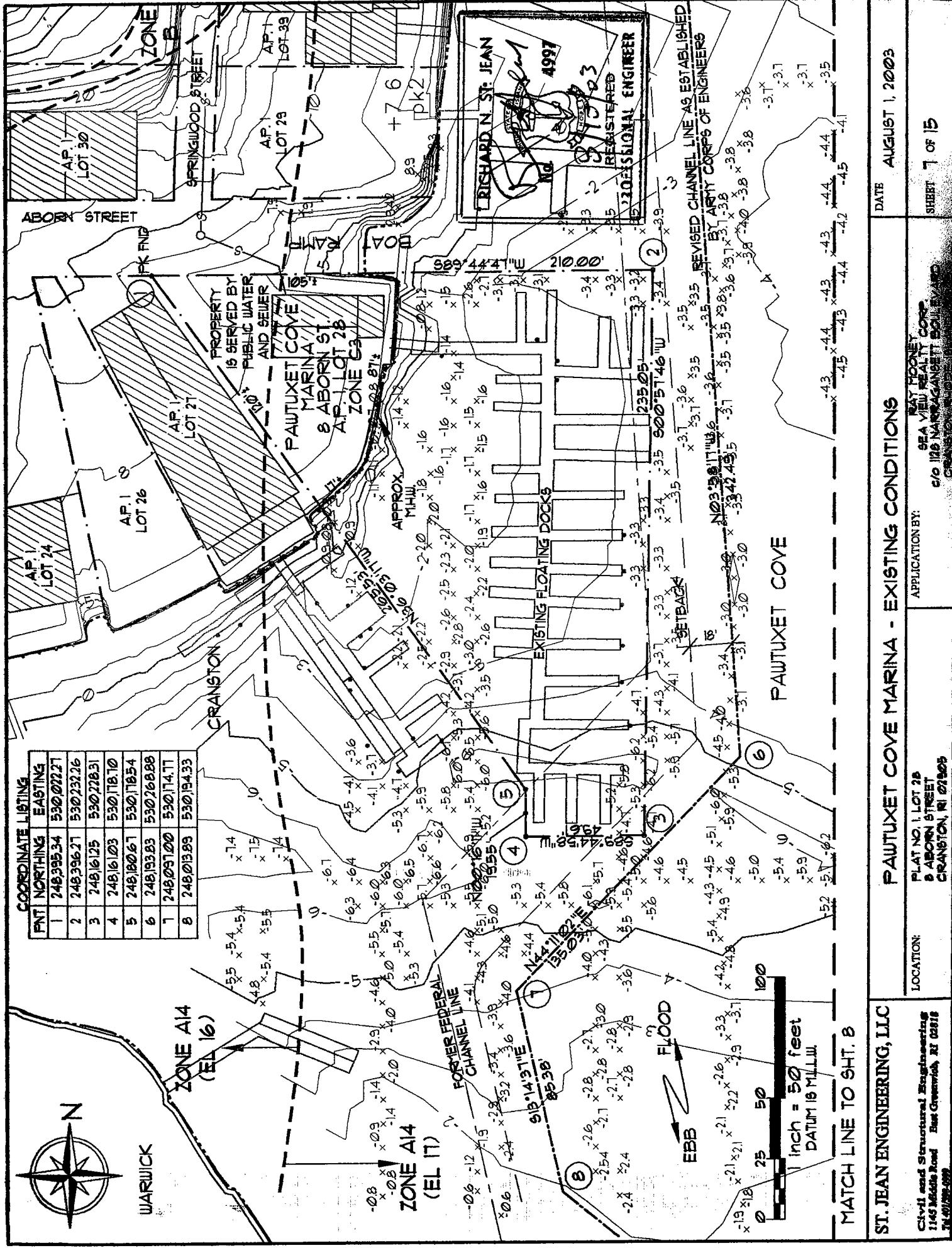


Civil and Structural Engineering  
1145 Steele Road East Greenwich, RI 02818  
T 401/866-2222

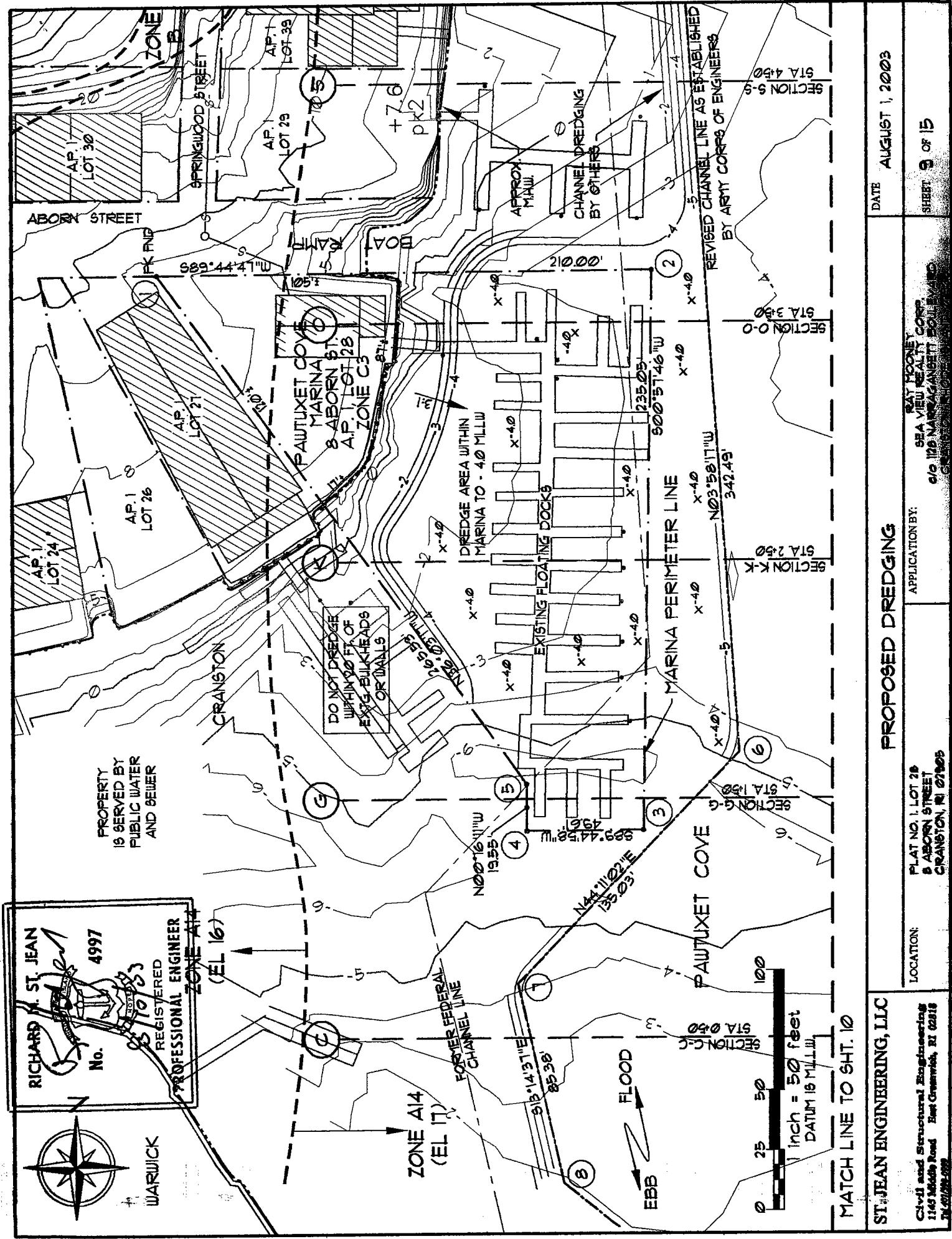
APPLICATION BY

LAT NO. 1, LOTS 2B, 2B, 3  
1 ABORN STREET, B3, B1 FOREST AVE.  
CRANSTON, RI 02921

**RAY HOONEY**  
SEA VIEW REALTY CORP.  
c/o 116 NARROWSBETT BOULEVARD  
CAMPBELL, CALIFORNIA 95008  
SHEET 6 OF 15

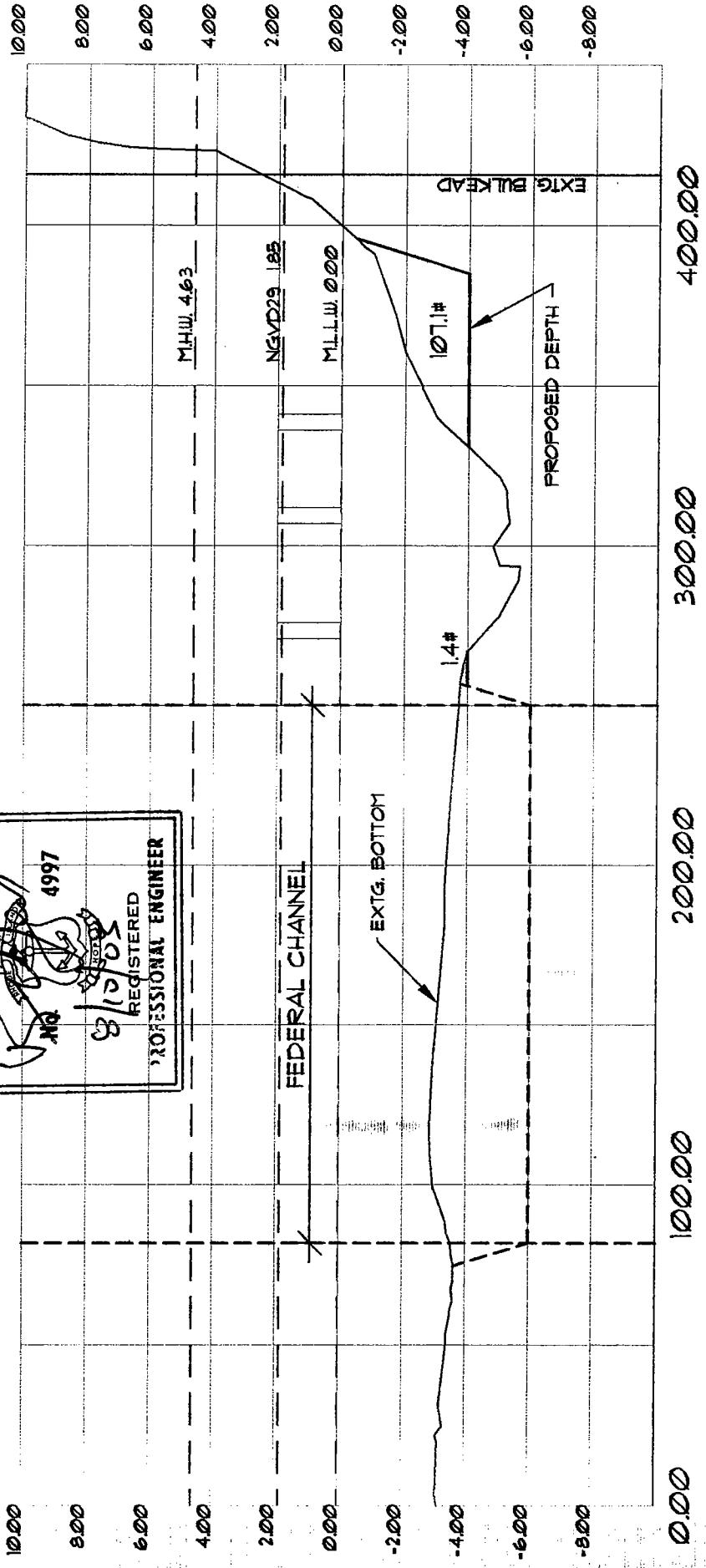
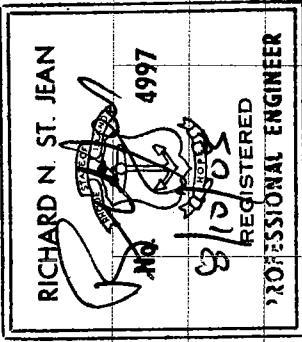








STA. Ø+50



SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

ST. JEAN ENGINEERING, LLC

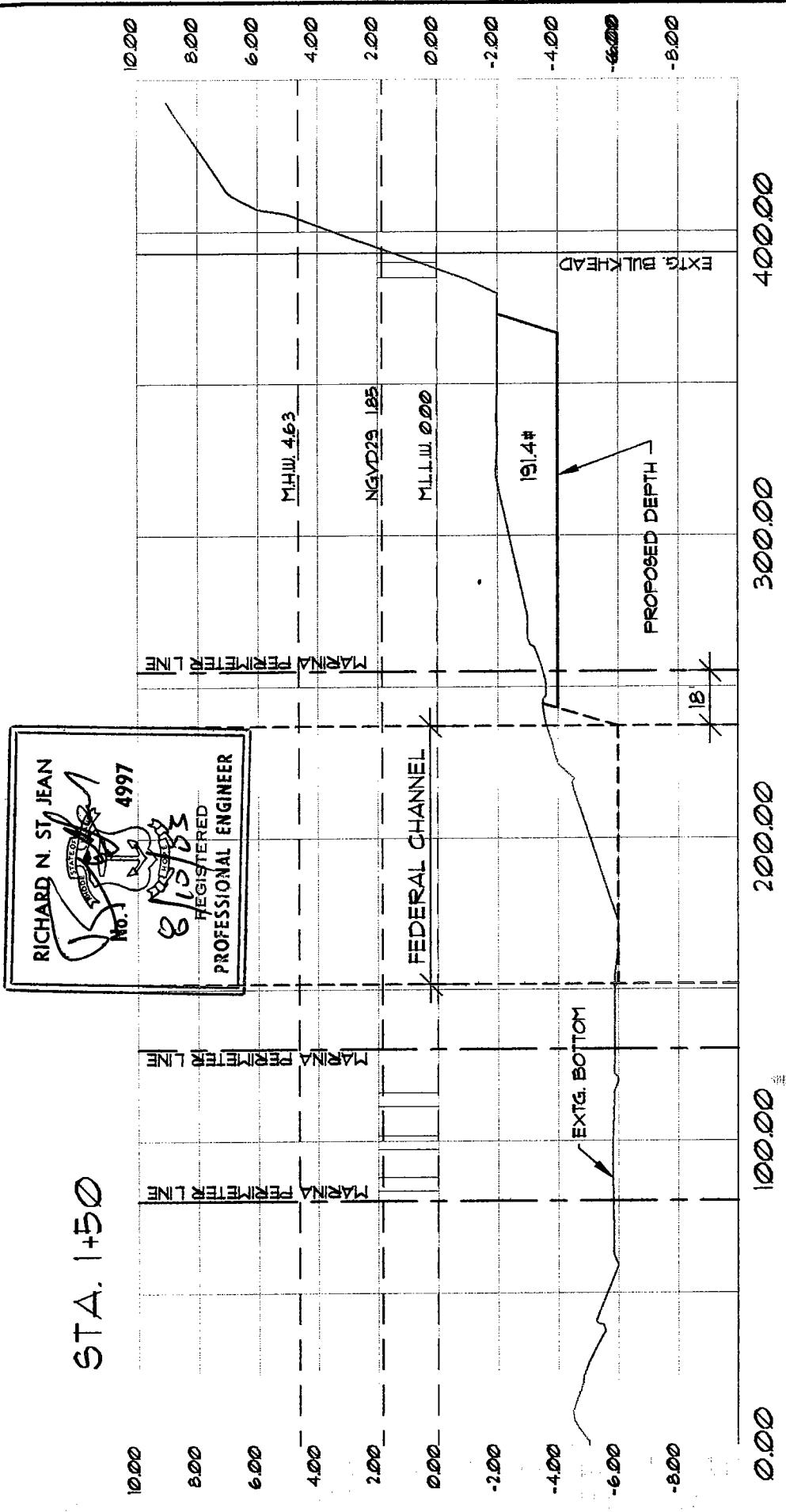
Civil and Structural Engineering  
1145 Middle Road  
East Greenwich, RI 02818  
(401) 882-0299

PAUTUXET COVE MARINA  
CROSS SECTION LKG. NORTH - DREDGING

DATE  
AUGUST 1, 2003

LOCATION:	APPLICATION BY:	REVISIONS:
PAUTUXET COVE MARINA 8 ABORN STREET CRANSTON, RI 02905	RAY MOONEY SEA VIEW REALTY CORP C/O 126 Narragansett BOULEVARD CRANSTON, RHODE ISLAND 02905	1   15

SТАГИ



DATUM: M.L.L.W.  
MEAN TIDE  
RANGE = 4.45 FT.

SECTION G-G

SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

**PAWTUXET COVE MARINA  
CROSS SECTION LKG. NORTH - DREDGING**

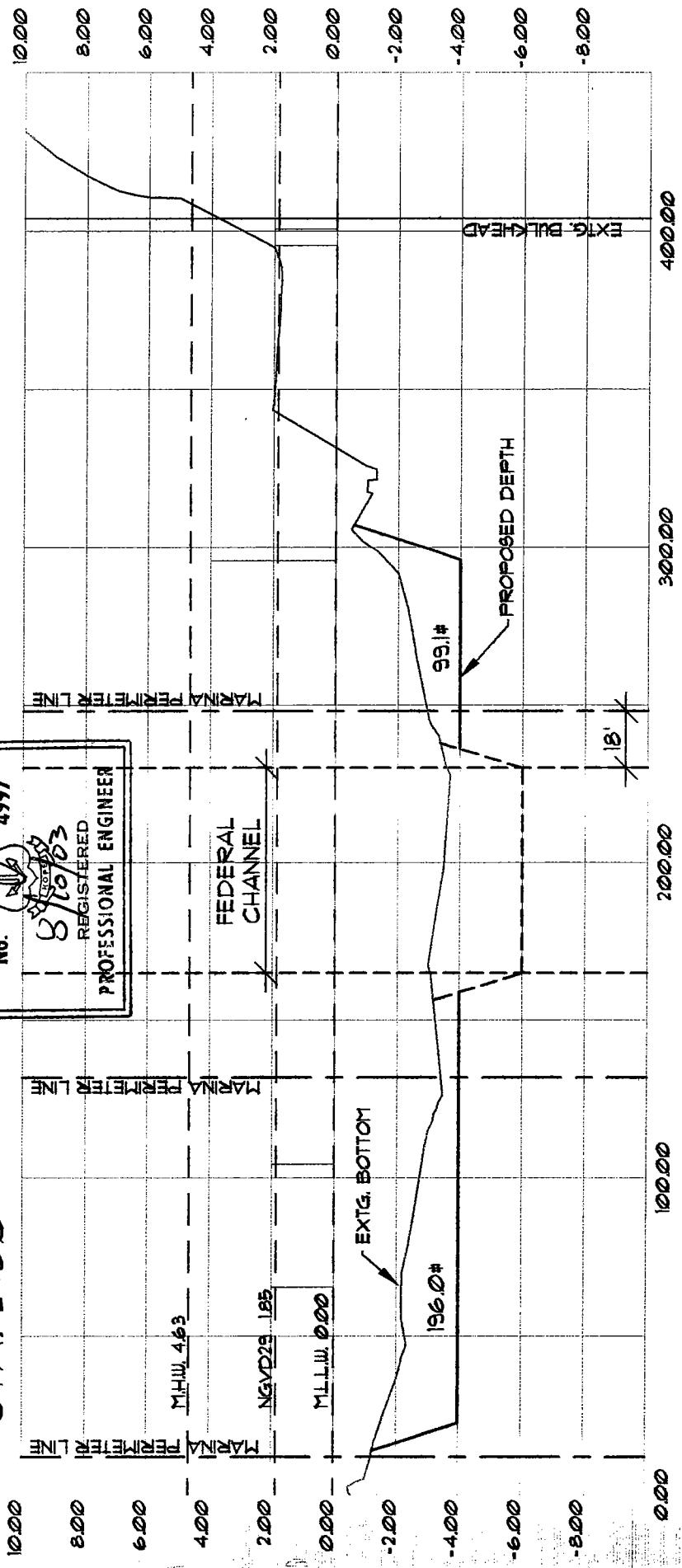
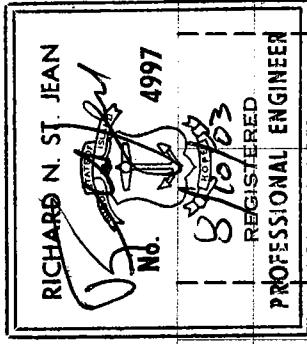
REVISIONS:

15 OF 12

ST. JEAN ENGINEERING, LLC

**Civil and Structural Engineers**  
1145 Middle Road East Greenwich, RI 02818  
Tel 401/798-1899

STA. 2+50



## SECTION K-K

SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

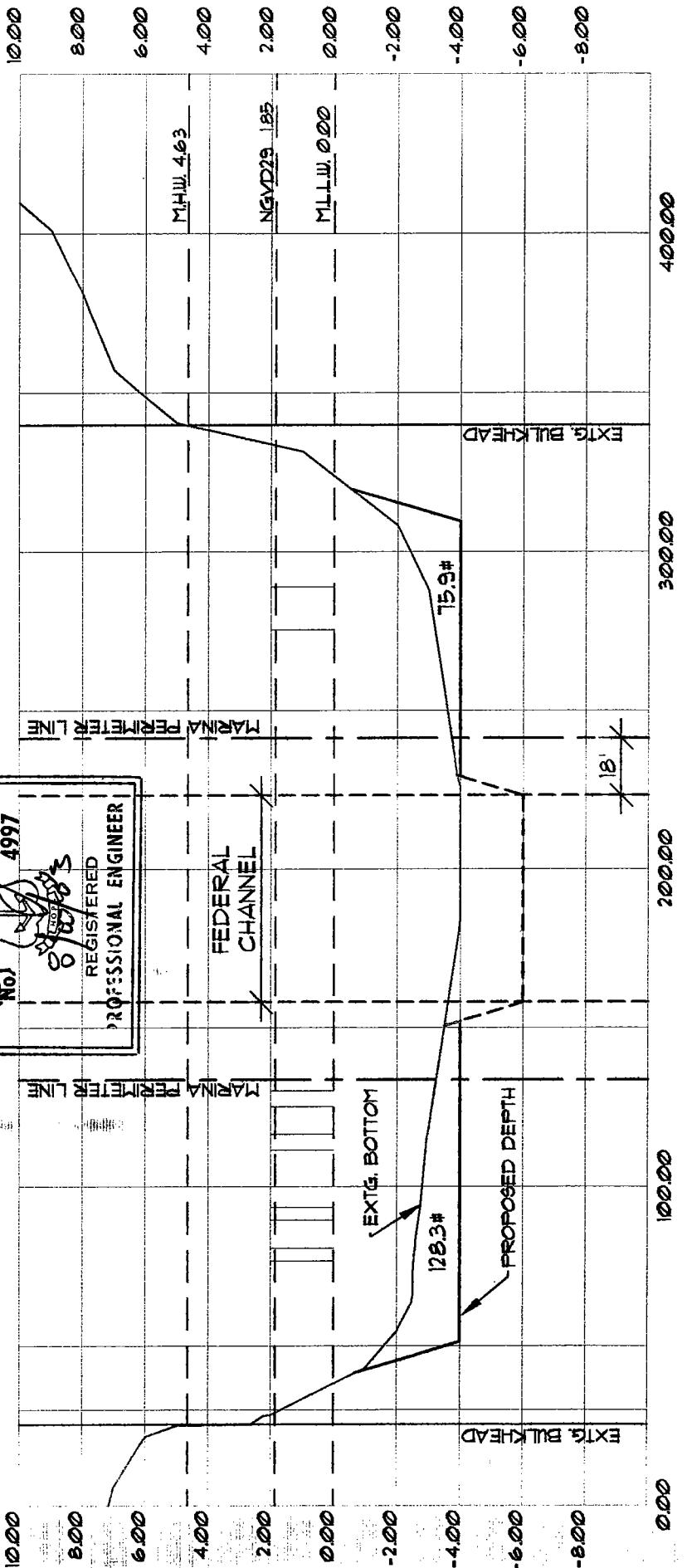
ST. JEAN ENGINEERING, LLC	APPLICATION BY: RAY MOONEY SEA VIEW REALTY CORP C/O 125 NARRAGANSETT BOULEVARD CRANSTON, RI 02905	REVISIONS:	DATE AUGUST 1, 2003
Charl and Structural Engineering 1145 Middle Road Rte Greenway, RI 02818 Tel 401/839-1099	SHEET OF 13 15		

STAT 345

RICHARD N. ST. JEAN

997

PROFESSIONAL ENGINEER REGISTRATION



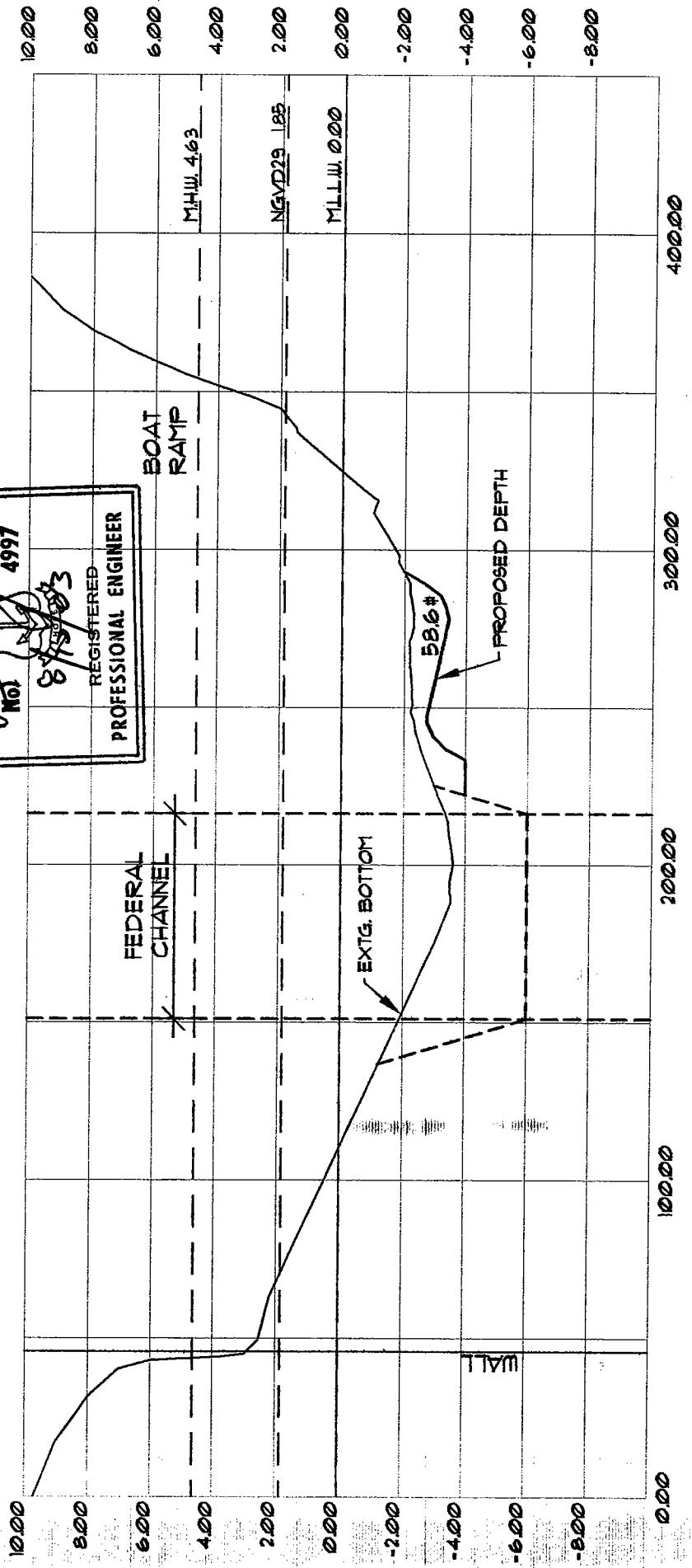
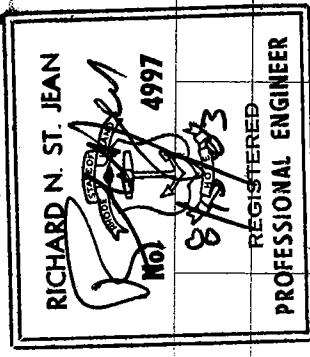
SECTION O-O

DATUM: M.L.W.  
MEAN TIDE  
RANGE = 4.45 FT.

SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

ST. JEAN ENGINEERING, LLC		PAWTUXET COVE MARINA CROSS SECTION LKG. NORTH - DREDGING	
DATE	AUGUST 1, 2003	SHEET OF	14 15
LOCATION:	APPLICATION BY: RAY MOONEY PAWTUXET COVE MARINA SEA VIEW REALTY CORP 8 ABORN STREET CRANSTON, RI 02905		
		REVISIONS:	
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 T: 401/788-0599			

STA. 4+50



SECTION S-S

DATUM: M.L.W.  
MEAN TIDE  
RANGE = 4.45 FT.

SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

ST. JEAN ENGINEERING, LLC

PAUTUXET COVE MARINA

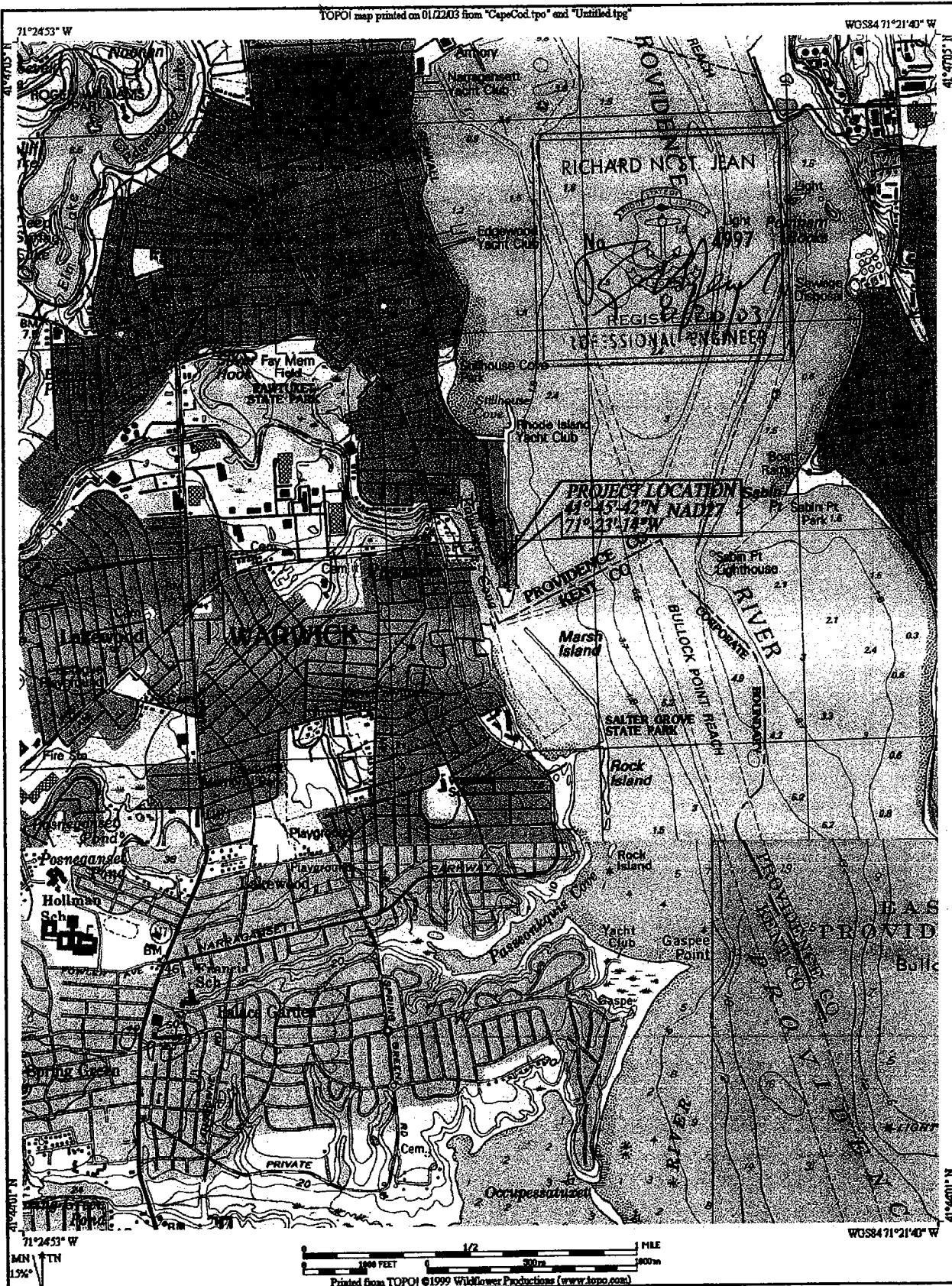
CROSS SECTION LKG. NORTH - DREDGING

Structural Engineering  
1145 Middle Road  
East Greenwich, RI 02818  
Tel 401/884-8559

APPLICATION BY: RAY MOONEY  
SEA YIUI REALTY CORP  
C/O 112B NARRAGANSETT BOULEVARD  
CRANSTON RHODE ISLAND 02925

REVISIONS:

DATE AUGUST 1, 2003  
SHEET OF 15 15



ST. JEAN ENGINEERING, LLC

**75 SEAVIEW AVE., CRANSTON, RHODE ISLAND**  
Providence, East Providence, Bristol  
USGS Map Sections: and East Greenwich Quadrangles

**DATE** JULY 25, 2003

**Civil and Structural Engineering**  
1145 Middle Road    East Greenwich, RI 02816  
Tel/Fax: (401)394-0999

LOCATION:  
15 SEAVIEW AVE.  
PLAT NO. 1, LOT 160  
CRANSTON, RI 02905

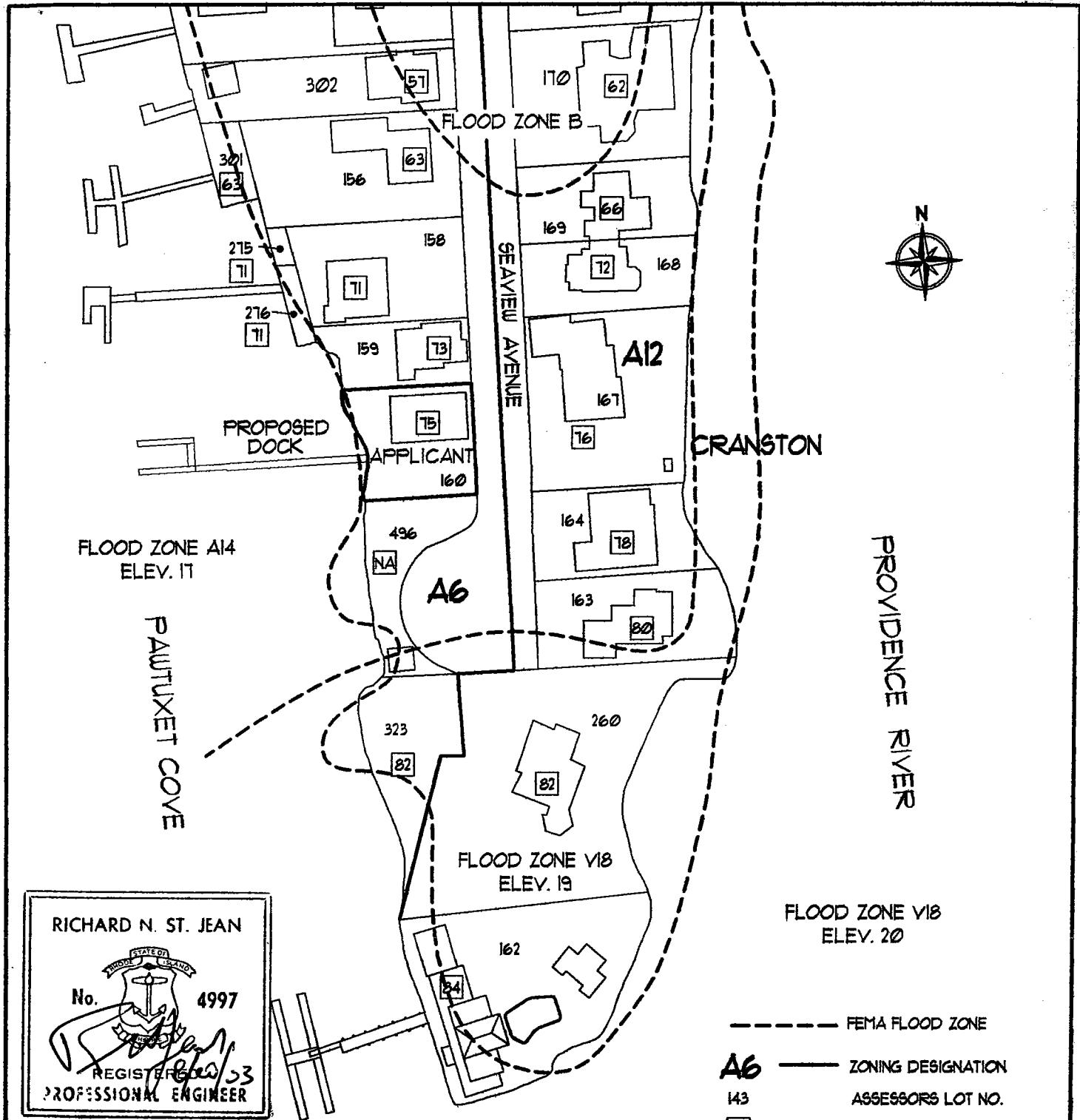
**APPLICATION BY:**

DONALD THEROUX  
15 SEAVIEW AVENUE  
CRANSTON, RHODE ISLAND 02923

SHEET OF

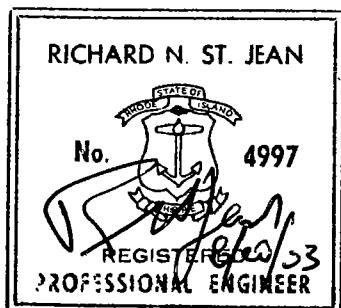
2

11



**NOTE:**

- I. ALL LOTS SHOWN ARE A PORTION OF CITY OF CRANSTON ASSESSORS MAP NO. 1



50 100 200  
| inch = 100 feet.

ST. JEAN ENGINEERING, LLC	<b>15 SEAVIEW AVENUE, CRANSTON RHODE ISLAND ABUTTERS PLAN</b>	DATE <b>August 1, 2003</b>
<b>Civil and Structural Engineering</b> 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)998-0999		SHEET OF <b>3</b>
<b>LOCATION:</b> 15 SEAVIEW AVE. PLAT NO. I, LOT 160 CRANSTON, RI 02905		<b>APPLICATION BY:</b> DONALD R THEROUX 15 SEAVIEW AVE. CRANSTON, RHODE ISLAND 02905

# LEGEND

— — — —	PROPERTY LINE	× 1.2	EXISTING SPOT GRADE
5	EXISTING CONTOUR	× 7.2	PROPOSED SPOT GRADE
5	PROPOSED CONTOUR	~~~~~	PROPOSED BULKHEAD
S	EXISTING SEWER	○○○○○○○○○○	EXISTING STONE WALL
S	PROPOSED SEWER	× × × × × ×	EXISTING FENCE LINE
W	EXISTING WATER LINE	● B-2	BORING
W	PROPOSED WATER LINE	—	FLOOD ZONE BOUNDARY
D	EXISTING DRAINAGE LINE	◆	EXISTING HYDRANT
D	PROPOSED DRAINAGE LINE	Q NECOB	EXISTING POLE
SMH	EXISTING SEWER MANHOLE		EXISTING SLOPE
DMH	EXISTING DRAINAGE MANHOLE	...	SHORE LINE
MH	PROPOSED MANHOLE	O IP	IRON PIPE FOUND
~~~~~	EXISTING TREE LINE	○○○○○	STONES/BOULDERS
△	EXISTING BUILDING		
□	PROPOSED BUILDING		

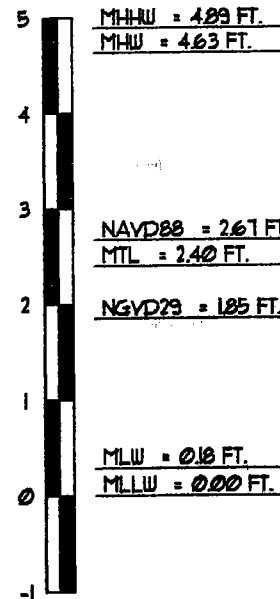
INFORMATION FOR TIDAL BENCHMARK PID - LW0143

FROM NGS DATA SHEET

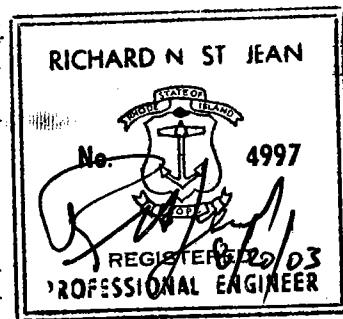
LOCATION: SET IN THE TOP OF A CONC. WALL AT THE SW END
OF STEPS - ENTRANCE TO ST. PAUL CATHOLIC CHURCH AT
THE SW WARWICK AVE. ENTRANCE.

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

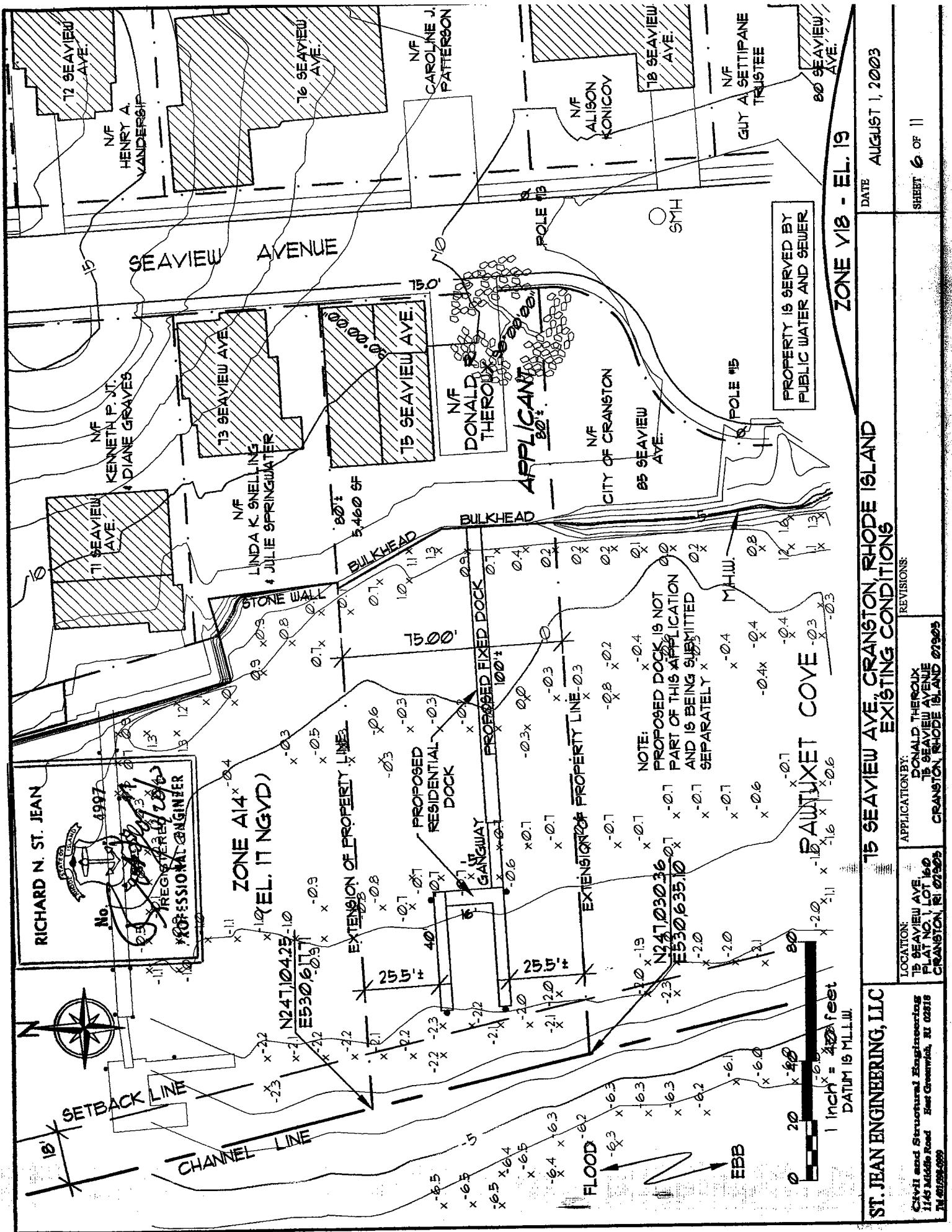


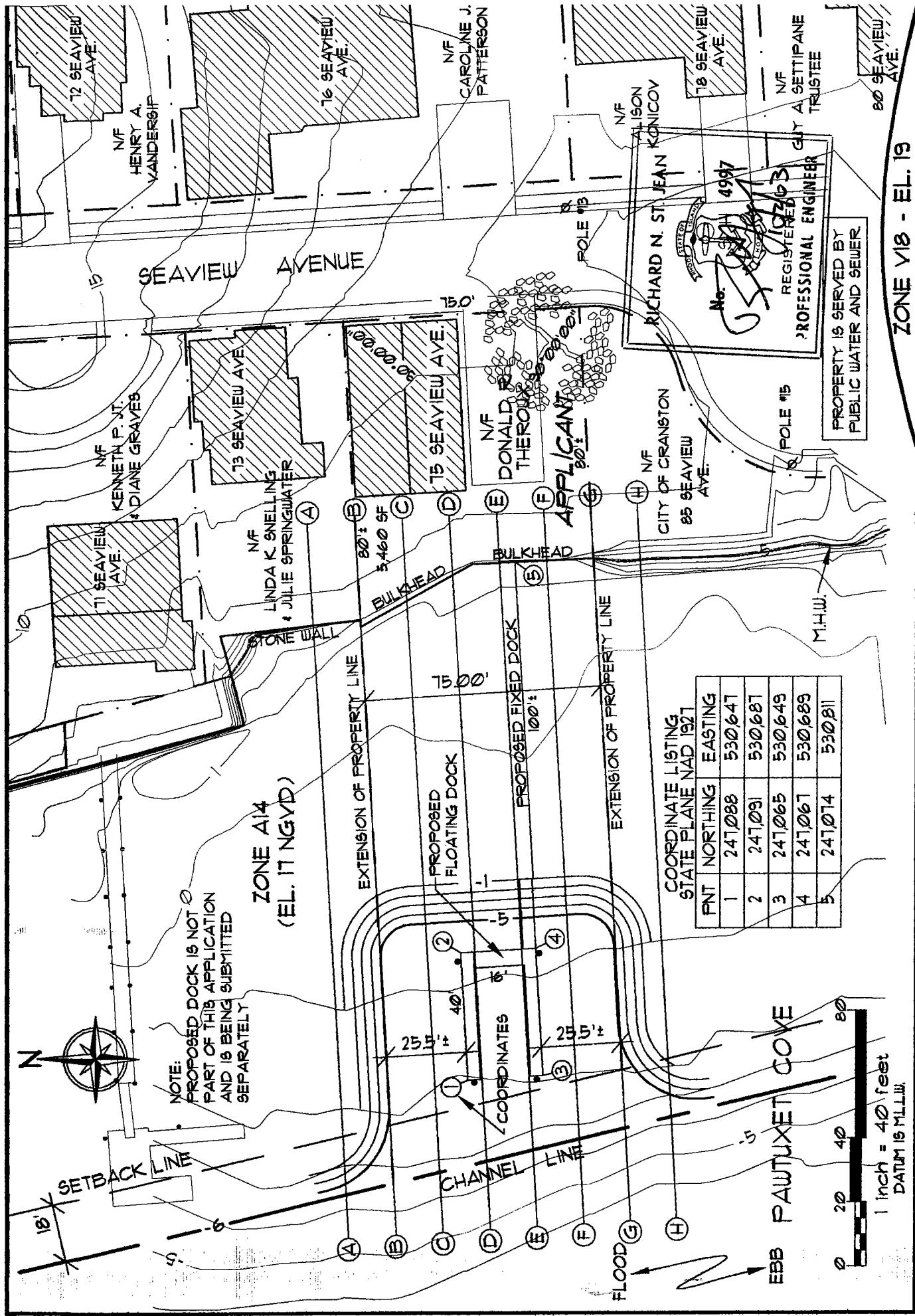
NOTE:
ELEVATION DATA COORELATES
CLOSELY WITH PID - LW0152
LOCATED STATE PIER NO. 1



DATUM INFORMATION

ST. JEAN ENGINEERING, LLC	75 SEAVIEW AVE., CRANSTON, RHODE ISLAND		DATE JULY 25, 2003
	LOCATION:	APPLICATION BY:	
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)998-0999	15 SEAVIEW AVE. PLAT NO. 1, LOT 160 CRANSTON, RI 02903	DONALD THEROUX 15 SEAVIEW AVENUE CRANSTON, RHODE ISLAND 02903	SHEET OF 4 11





ST. JEAN ENGINEERING, LLC

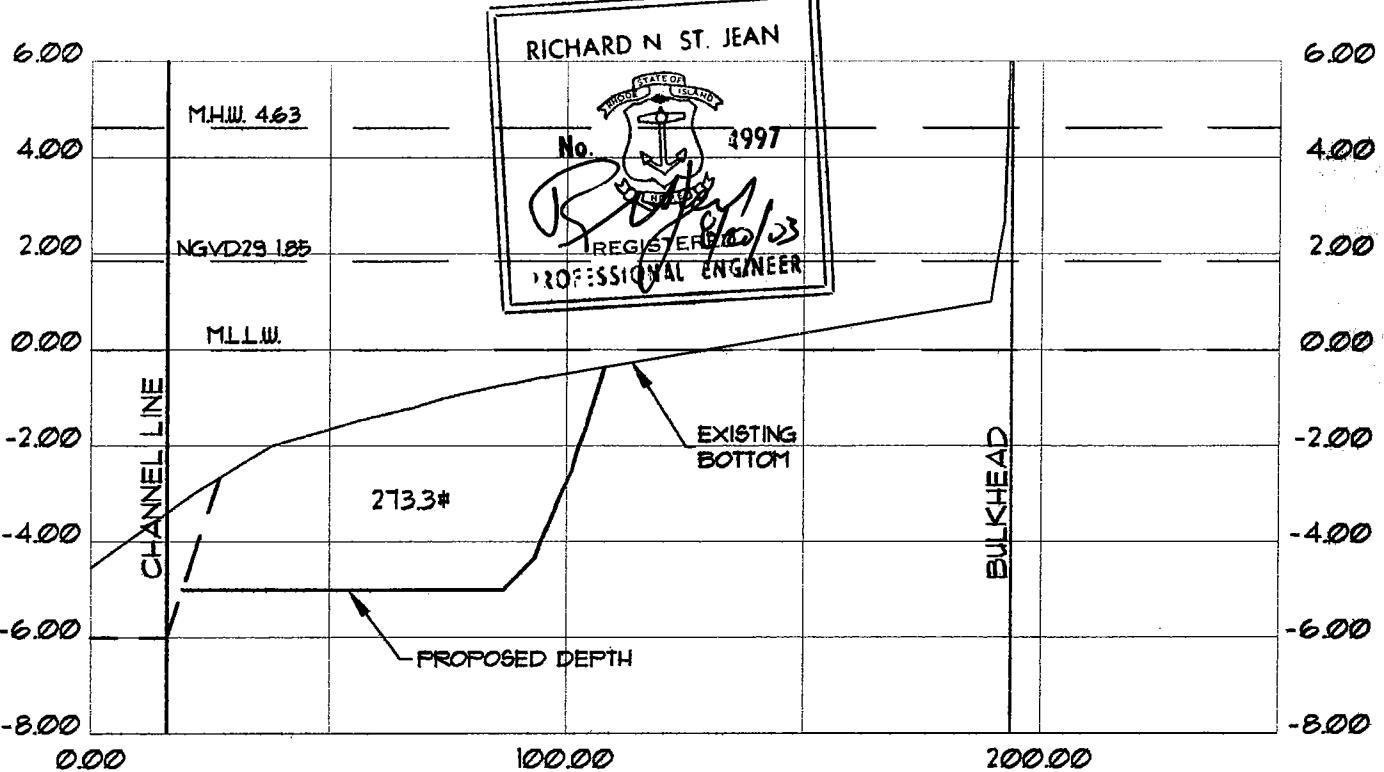
15 SEAVIEW AVE., CRANSTON, RHODE ISLAND
PROPOSED DREDGING

ZONE V18 - EL. 19

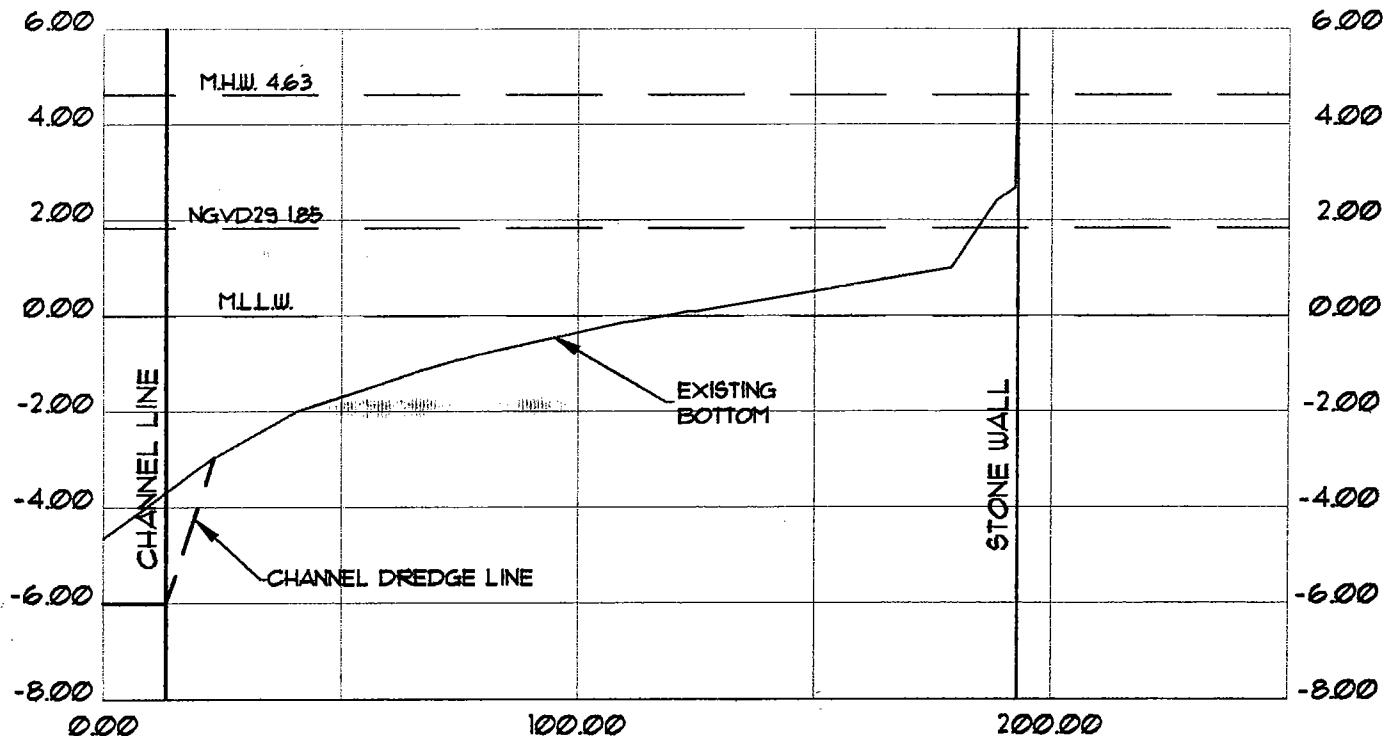
DATE AUGUST 1, 2003

SHEET 7 OF 11

Civil and Structural Engineering
1145 Middle Road
Box 2018
Cranston, RI 02921
(401) 941-0700



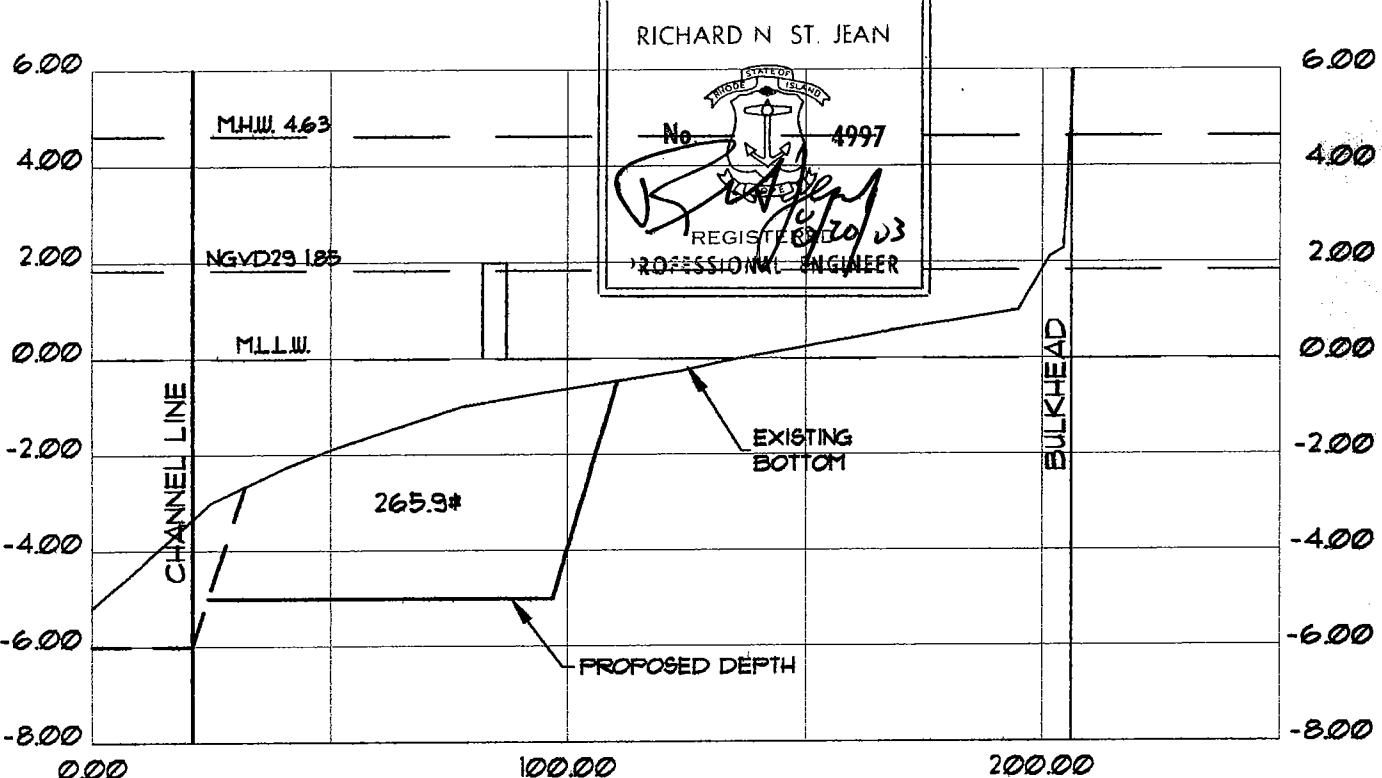
SECTION B-B STA. 0+15



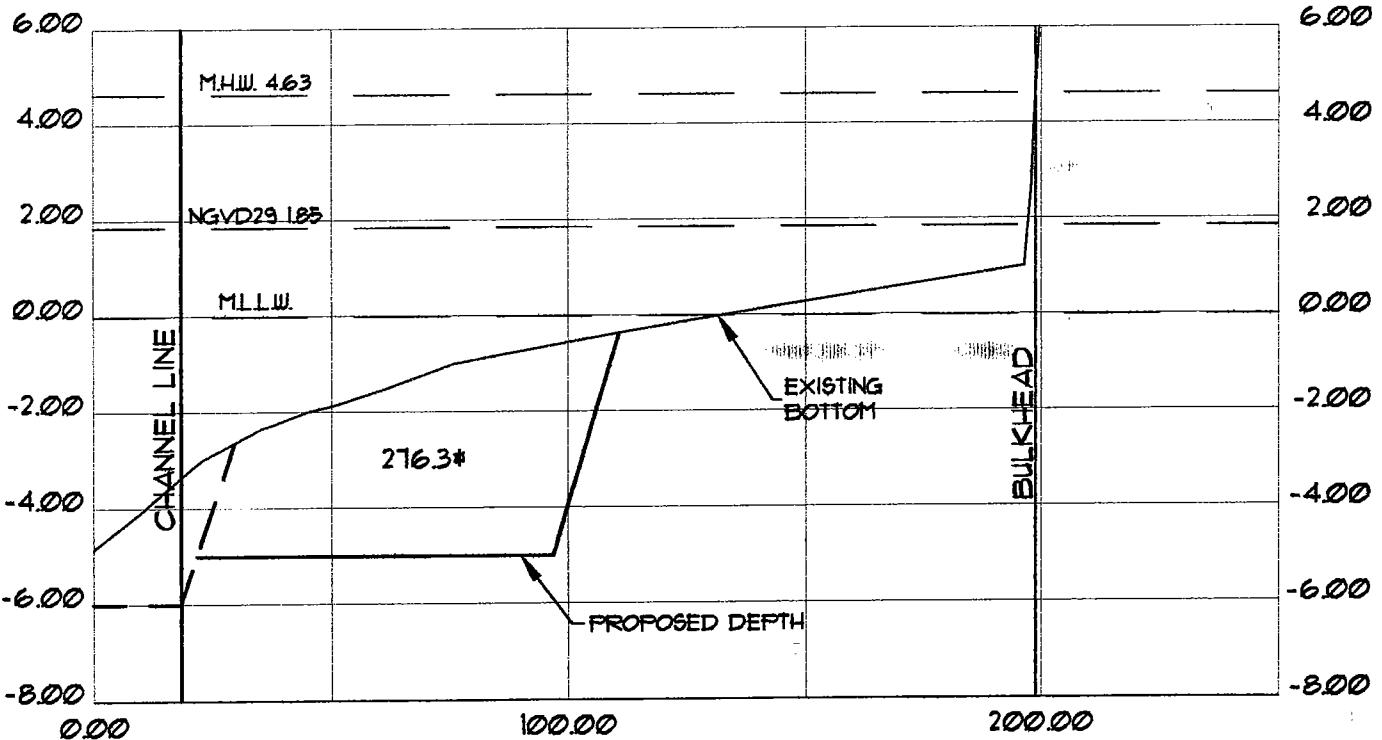
SECTION A-A STA. 0+00

DATUM: MLW
MEAN TIDE RANGE = 4.45'

ST. JEAN ENGINEERING, LLC	75 SEAVIEW AVENUE, CRANSTON, RI CROSS SECTIONS		DATE JULY 23, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	LOCATION: 75 SEAVIEW AVE. PLAT NO. 1, LOT 160 CRANSTON, RI 02923	APPLICATION BY: DONALD THEROUX 75 SEAVIEW AVENUE CRANSTON, RHODE ISLAND 02923	SHEET OF 8 11



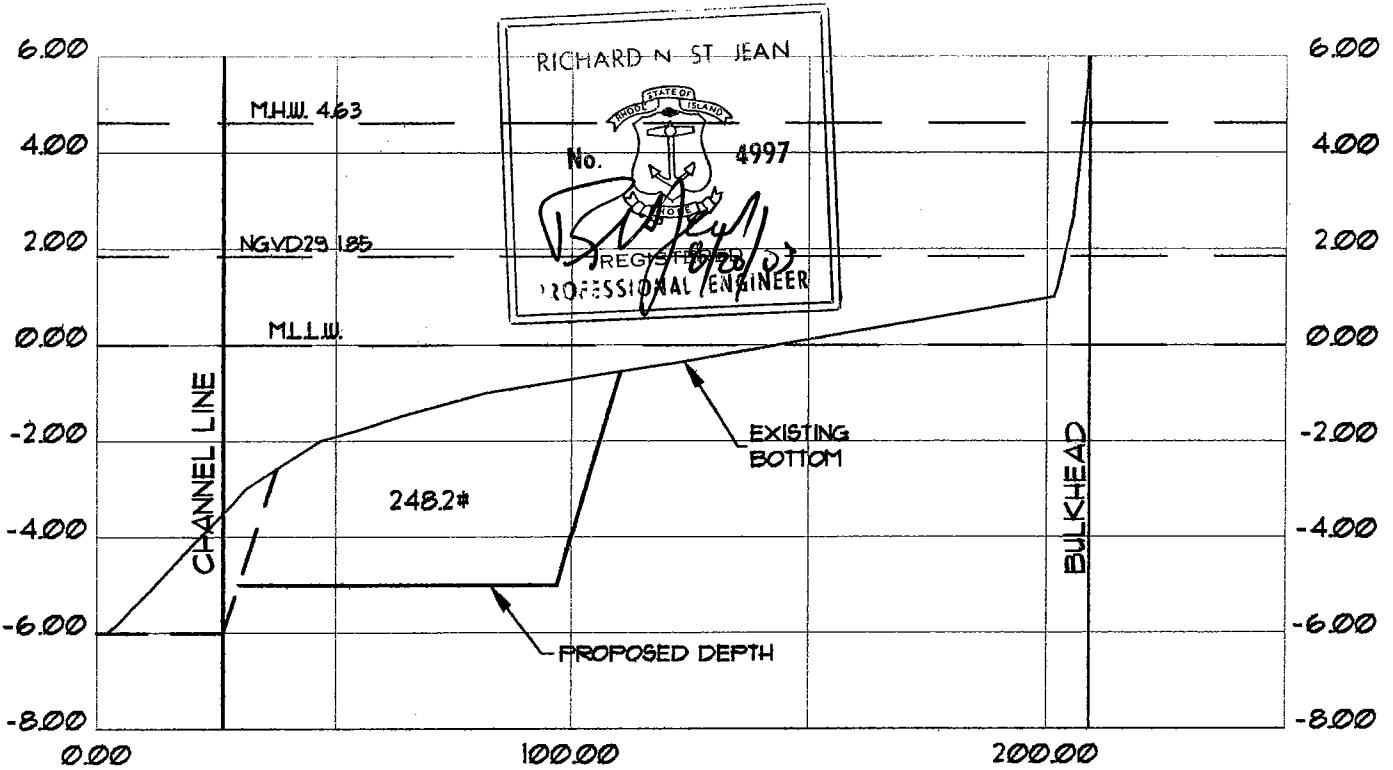
SECTION D-D STA. 0+45



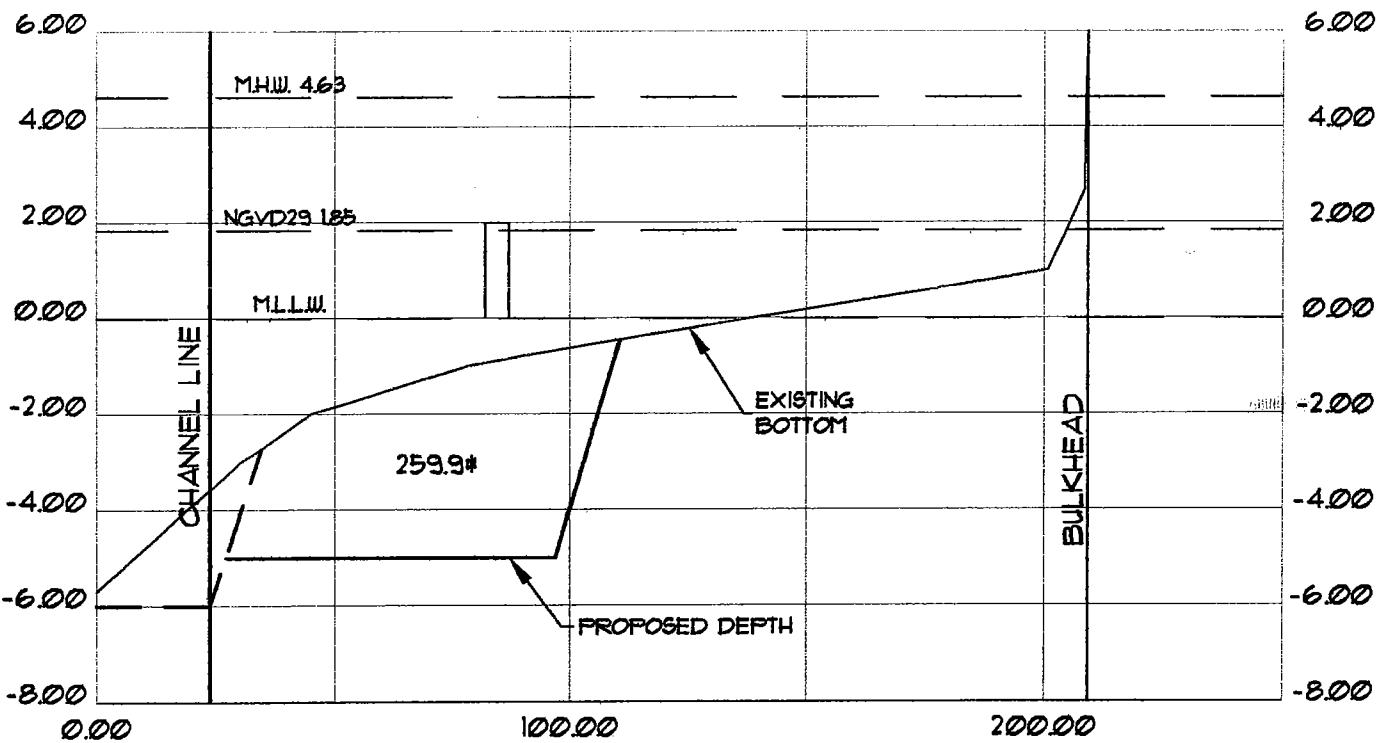
DATUM: MLW
MEAN TIDE RANGE = 4.45'

SECTION C-C STA. 0+30

ST. JEAN ENGINEERING, LLC	15 SEAVIEW AVENUE, CRANSTON, RI		DATE JULY 23, 2003
	CROSS SECTIONS	APPLICATION BY: DONALD THEROUX 15 SEAVIEW AVENUE CRANSTON, RHODE ISLAND 02905	
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-6999	LOCATION: 15 SEAVIEW AVE. FLAT NO. 1, LOT 160 CRANSTON, RI 02905	SHEET OF 9 11	



SECTION F-F STA. 0+75



SECTION E-E STA. 0+60

DATUM: MLW
MEAN TIDE RANGE = 4.45'

ST. JEAN ENGINEERING, LLC

Civil and Structural Engineering
1145 Middle Road East Greenwich, RI 02819
Tel/Fax (401)398-8999

75 SEAVIEW AVENUE, CRANSTON, RI
CROSS SECTIONS

LOCATION:
75 SEAVIEW AVE.
PLAT NO. 1, LOT 160
CRANSTON, RI 02903

APPLICATION BY:

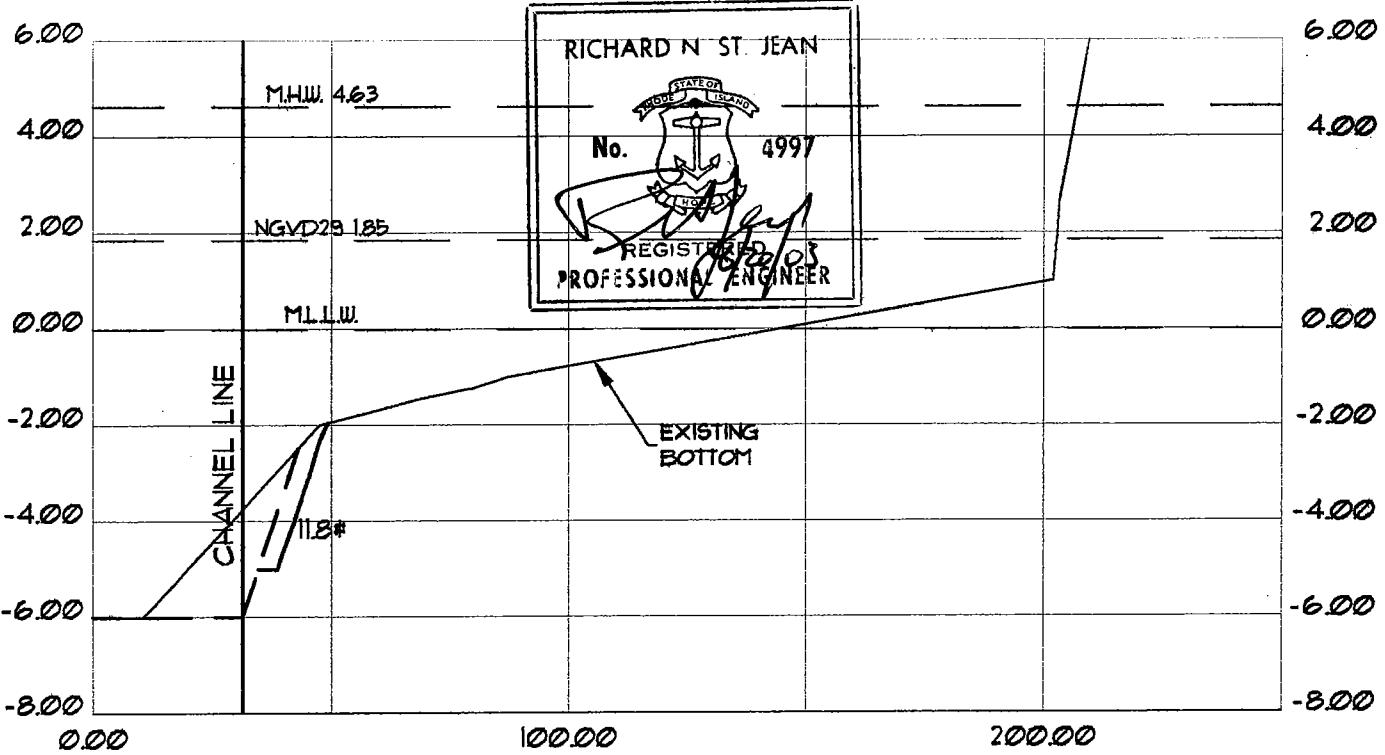
DONALD THEROUX
75 SEAVIEW AVENUE
CRANSTON, RHODE ISLAND 02903

DATE
JULY 23, 2003

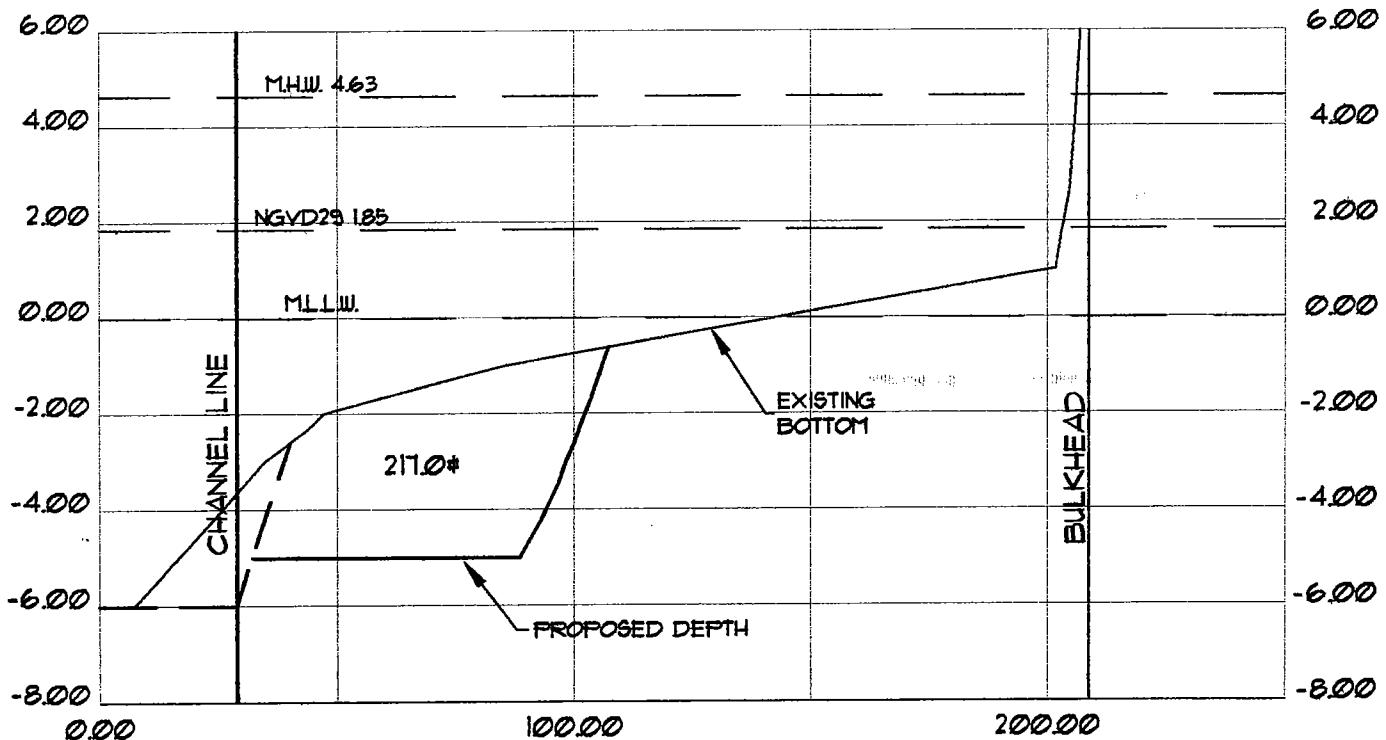
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11



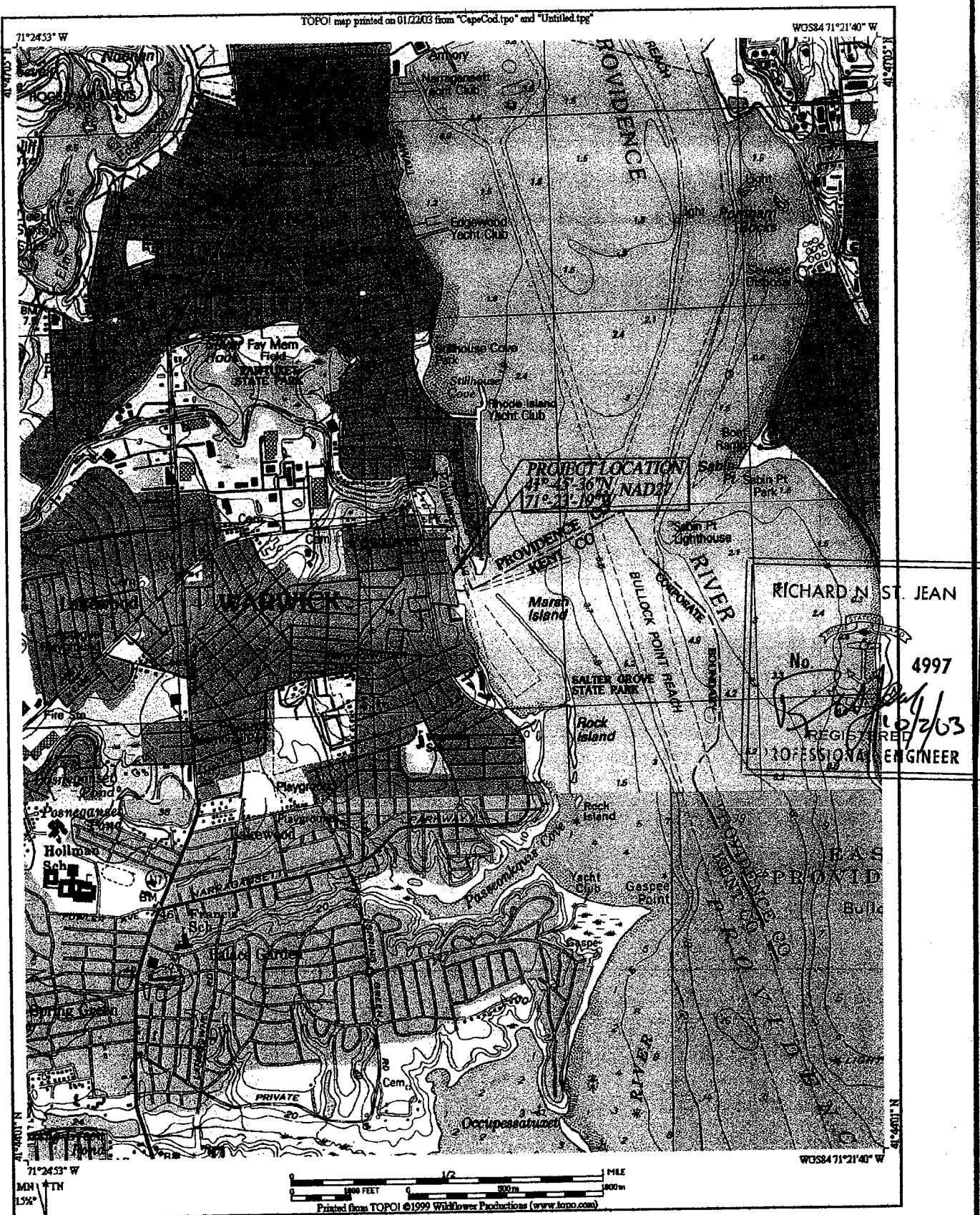
SECTION H-H STA. 1+05



DATUM: MLW
MEAN TIDE RANGE = 4.45'

SECTION G-G STA. 0+90

ST. JEAN ENGINEERING, LLC	75 SEAVIEW AVENUE, CRANSTON, RI CROSS SECTIONS		DATE JULY 23, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	LOCATION: 15 SEAVIEW AVE. #PLAT NO. 1, LOT 160 CRANSTON, RI 02905	APPLICATION BY: DONALD THEROUX 15 SEAVIEW AVENUE CRANSTON, RHODE ISLAND 02905	SHEET OF II II



ST JEAN ENGINEERING, LLC

Civil and Structural Engineering
1145 Middle Road East Greenwich, RI 02818
Tel/Fax: (401)396-0999

12 BAYSIDE AVE, WARWICK, RHODE ISLAND

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

**LOCATION:
12 BAYSIDE AVENUE
PLAT NO. 292, LOT 285
WARWICK, RI 02888**

APPLICATION BY: SANDRA LANNI
12 BAYSIDE AVENUE
WARWICK, RHODE ISLAND 02888

DATE

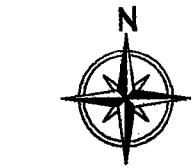
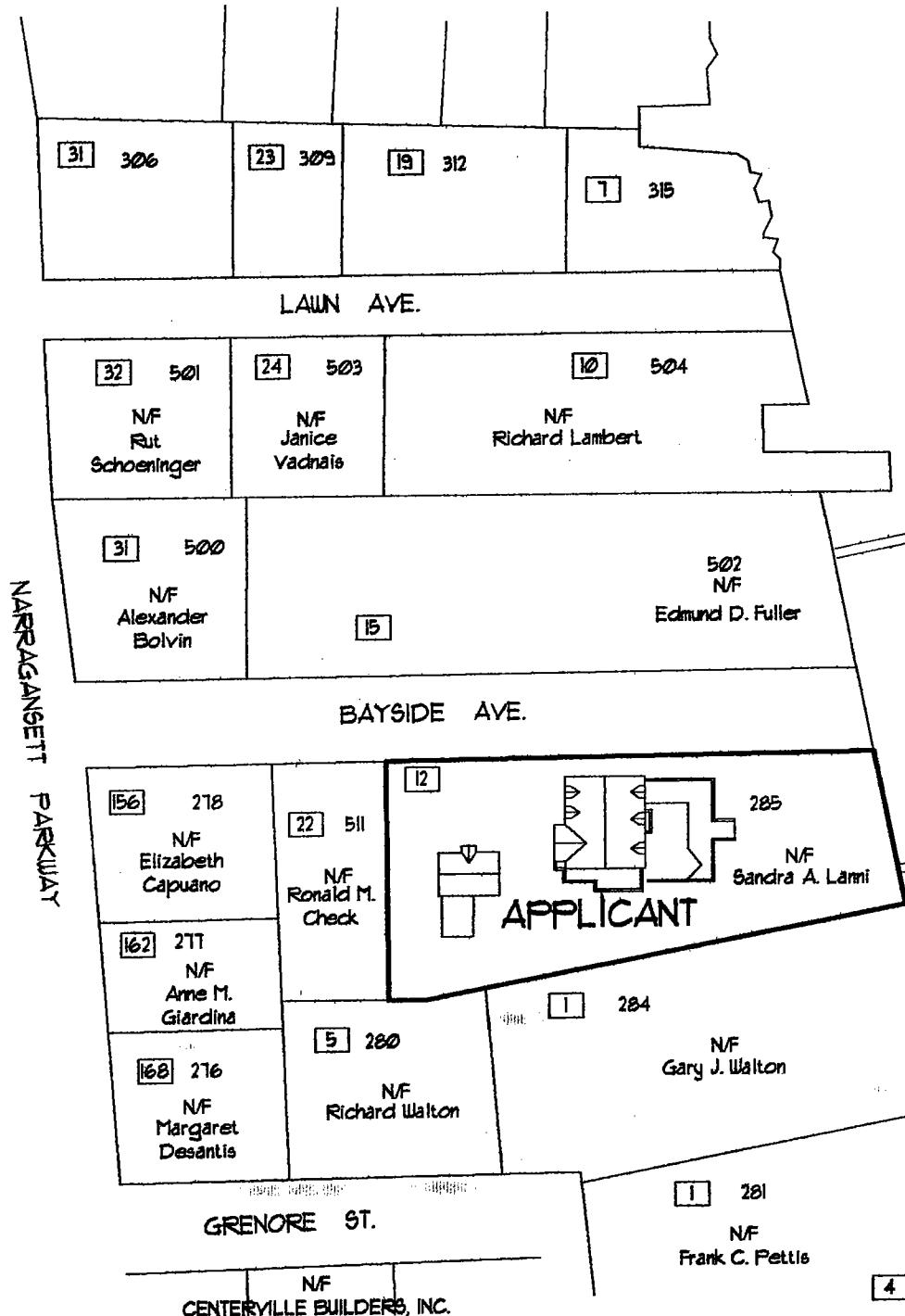
SEPTEMBER 2, 2003

SHEET OF

2

10

PAWTUXET COVE



PROJECT
LOCATION

[4] DENOTES STREET NO.

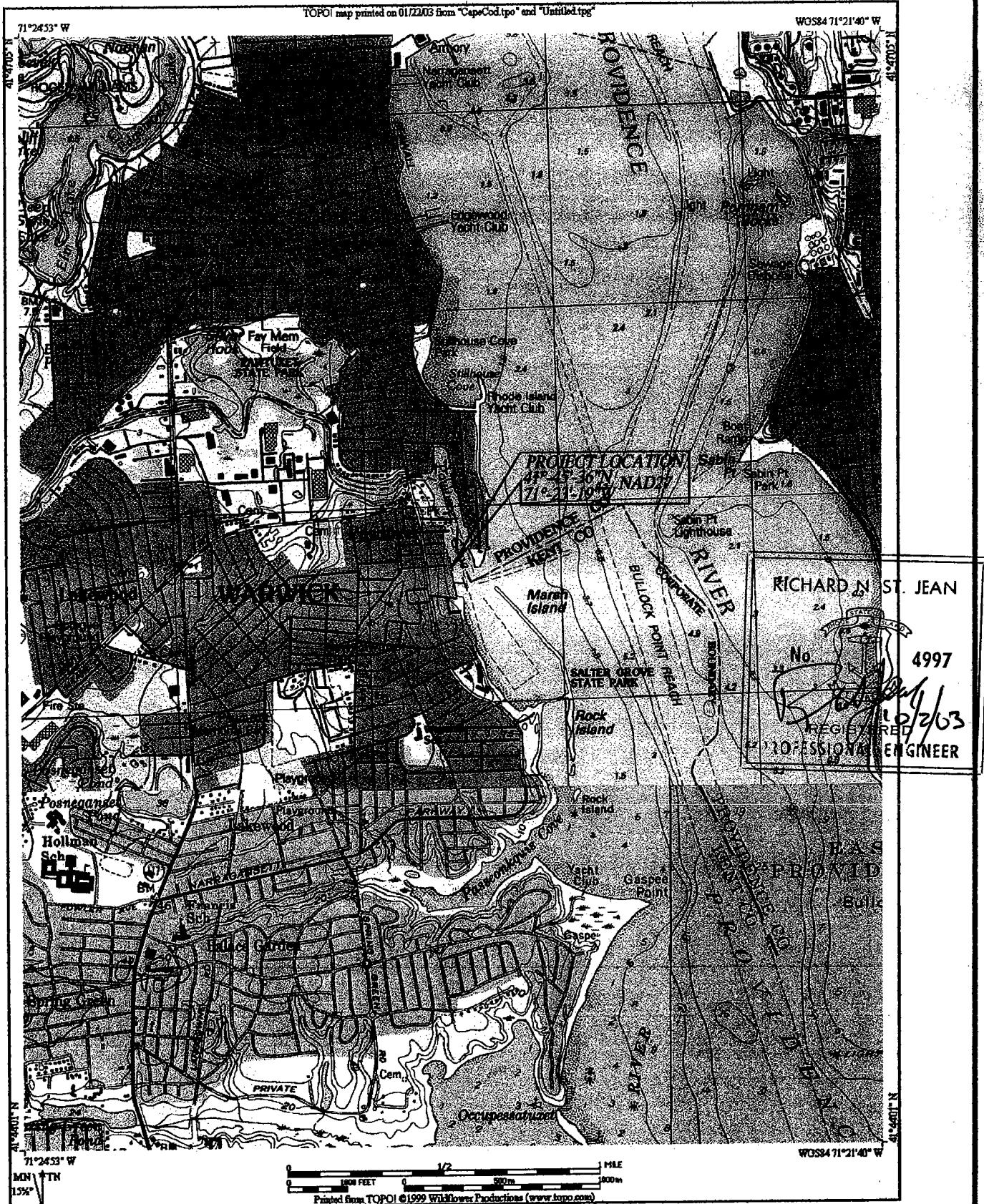
NOTE:

- ALL LOTS SHOWN ARE A PORTION OF CITY OF WARWICK ASSESSORS MAP 292



1 inch = 100 feet

ST. JEAN ENGINEERING, LLC	12 BAYSIDE AVE., WARWICK, RHODE ISLAND ABUTTERS PLAN		DATE SEPTEMBER 2, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Phone: (401) 884-6599	LOCATION: 12 BAYSIDE AVE. PLAT NO. 292, LOT 285 WARWICK, RI 02888	APPLICATION BY: SANDRA A. LANNI 12 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888	SHEET OF 3 10



ST. JEAN ENGINEERING, LLC

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

12 BAYSIDE AVE, WARWICK, RHODE ISLAND
USGS Map Sections: Providence, East Providence, Bristol
and East Greenwich Quadrangles

LOCATION:
12 BAYSIDE AVENUE
PLAT NO. 292, LOT 285
WARWICK, RI 02888

APPLICATION BY:
SANDRA LANNI
12 BAYSIDE AVENUE
WARWICK, RHODE ISLAND 02888

DATE
SEPTEMBER 2, 2003

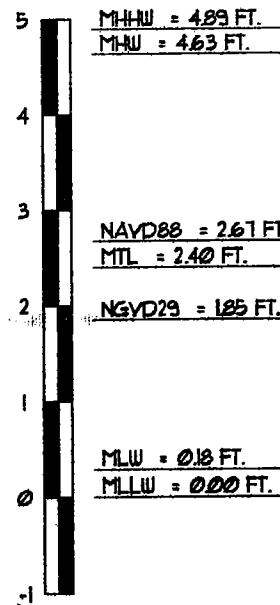
SHEET OF
2 10

LEGEND

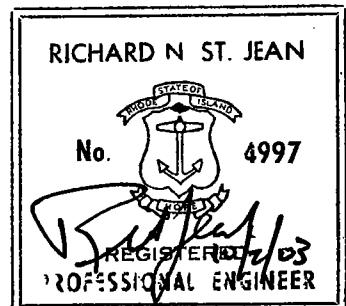
— — — —	PROPERTY LINE	x 1.2	EXISTING SPOT GRADE
5	EXISTING CONTOUR	x 1.2	PROPOSED SPOT GRADE
5	PROPOSED CONTOUR	~~~~~	PROPOSED BULKHEAD
S	EXISTING SEWER	○○○○○○○○○○	EXISTING STONE WALL
S	PROPOSED SEWER	x-x-x-x	EXISTING FENCE LINE
W	EXISTING WATER LINE	● B-2	BORING
W	PROPOSED WATER LINE	— — — —	FLOOD ZONE BOUNDARY
D	EXISTING DRAINAGE LINE	○	EXISTING HYDRANT
D	PROPOSED DRAINAGE LINE	NECOP3	EXISTING POLE
SMH	EXISTING SEWER MANHOLE		EXISTING SLOPE
DMH	EXISTING DRAINAGE MANHOLE	—	SHORE LINE
MH	PROPOSED MANHOLE	O IP	IRON PIPE FOUND
	EXISTING TREE LINE	○○○○○	STONES/BOULDERS
	EXISTING BUILDING		
	PROPOSED BUILDING		

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

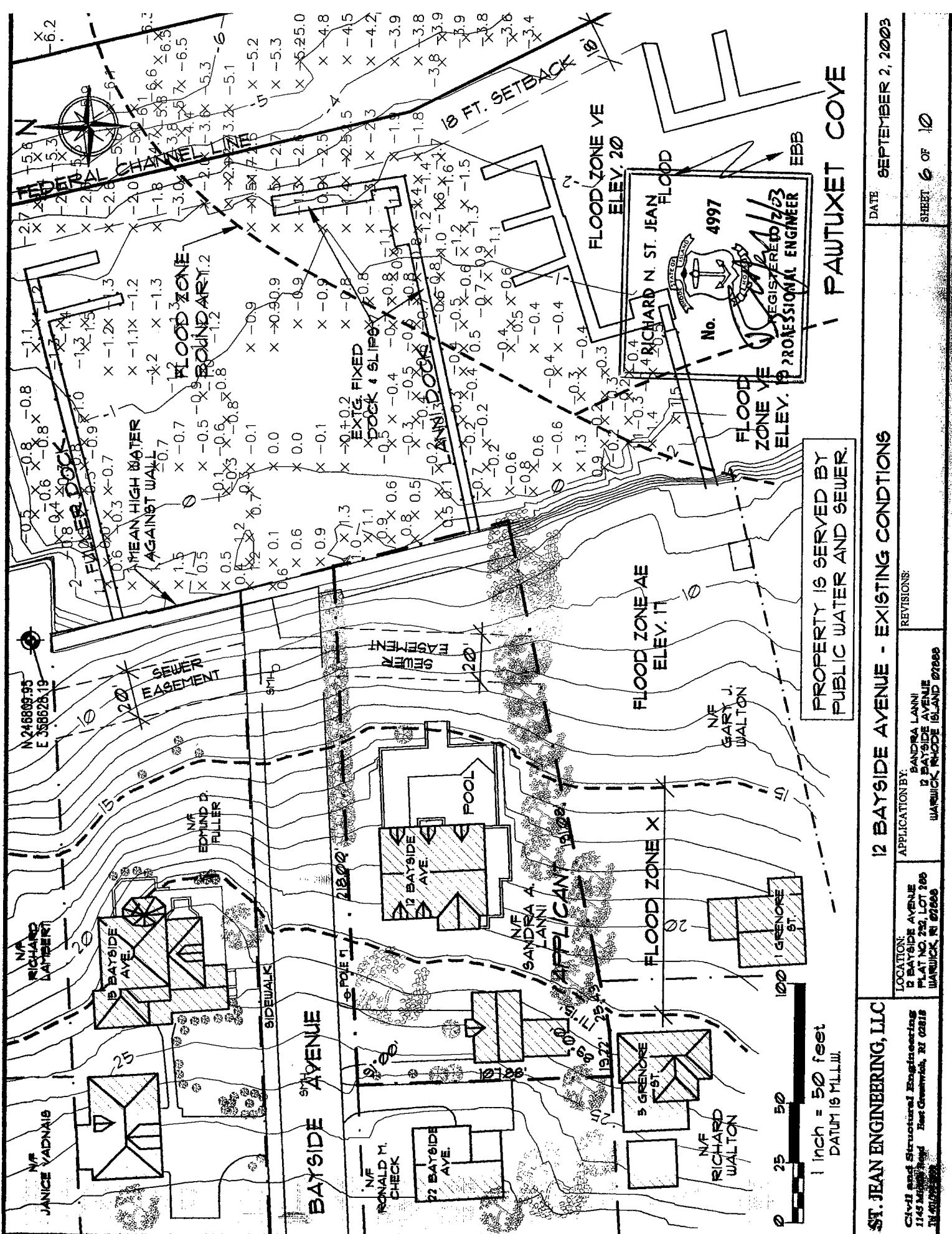


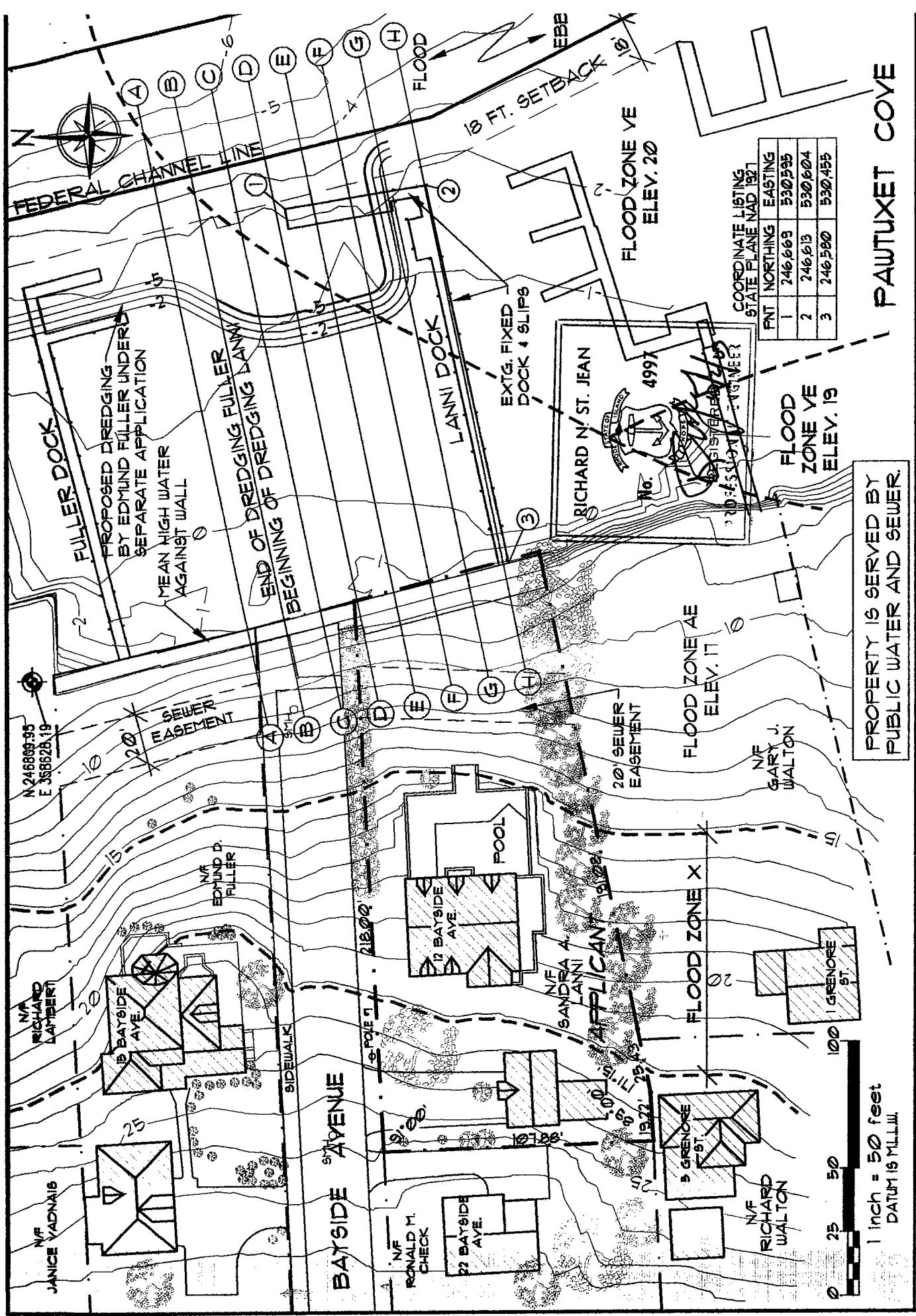
NOTE:
ELEVATION DATA COORELATES
CLOSELY WITH PID - LW0152
LOCATED STATE PIER NO. 1



DATUM INFORMATION

ST. JEAN ENGINEERING, LLC <small>Civil and Structural Engineering 1143 Middle Road East Greenwich, RI 02818 Tel/Fax: (401) 886-0999</small>	12 BAYSIDE AVE, WARWICK, RHODE ISLAND LEGEND & ABBREVIATIONS <small>LOCATION: 12 BAYSIDE AVENUE PLAT NO. 292, LOT 285 WARWICK, RI 02888</small>	DATE SEPTEMBER 2, 2003 SHEET OF 4 10
	APPLICATION BY: SANDRA LANNI 12 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888	





ST. THOMAS ENGINEERING INC.

10 BAYARD AVENUE - ESTATE & ESTATE CONDITIONS

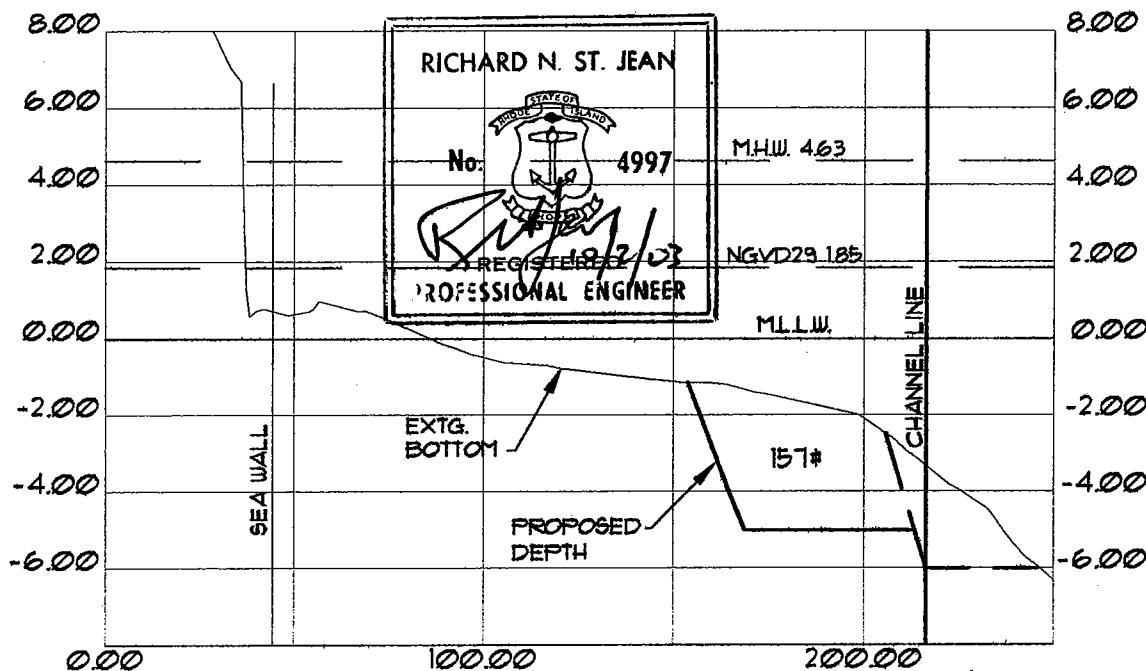
DATE SEPTEMBER 2 2003

REVISIONS:

APPLICATION BY: SANDRA LANNI
12 BAYSIDE AVENUE
WARWICK, RHODE ISLAND 02886

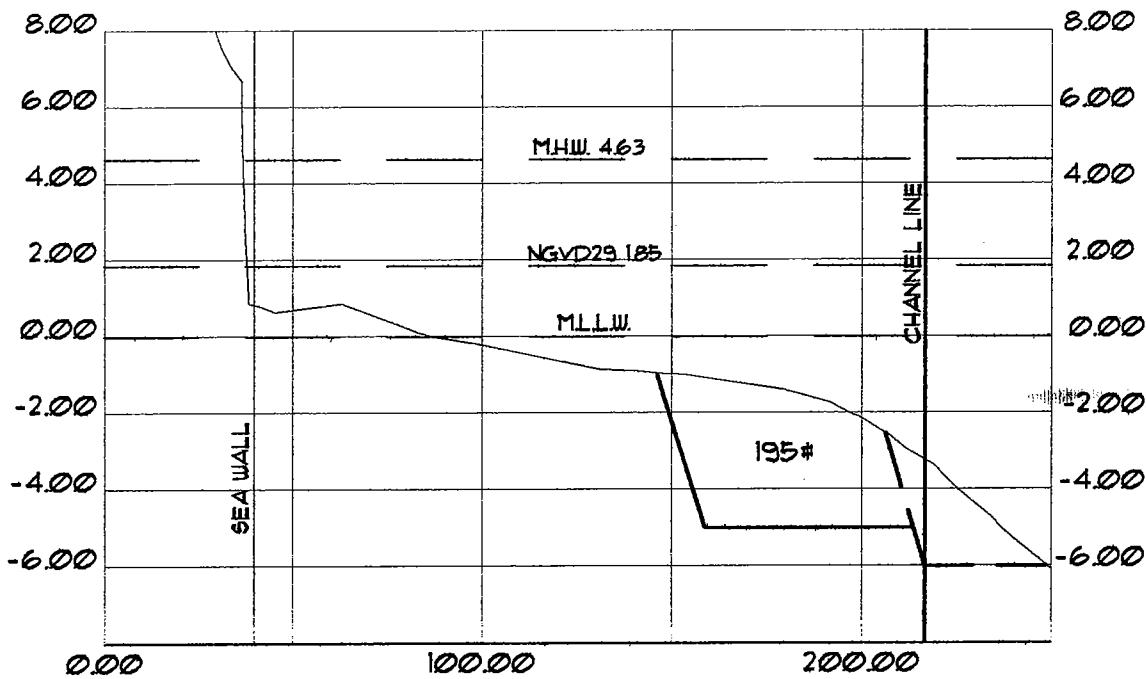
Civil and Structural Engineering
1145 Middle Road West Greenwich, RI 02818
Tel 401/884-0777

NOTE: SECTION A-A ØØ DREDGE AREA - FULLER APPLICATION



SECTION B-B STA. Ø+15

DENOTES CHANNEL
DREDGING LIMITS
3



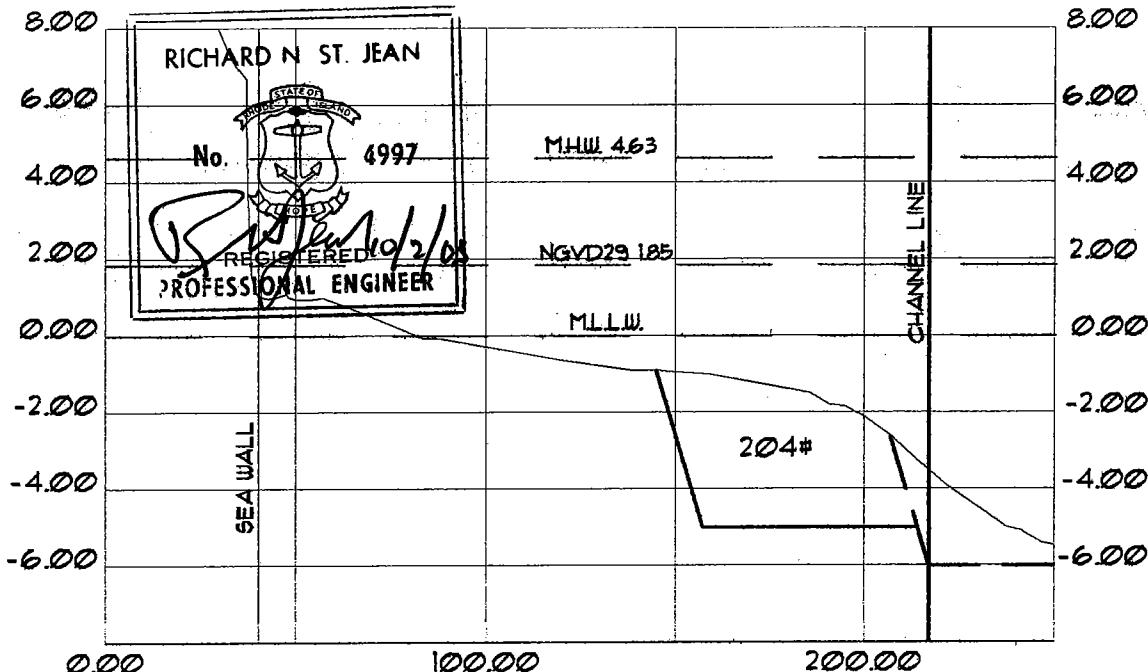
SECTION C-C STA. Ø+30

DATUM: MLW
MEAN TIDE RANGE = 4.45'

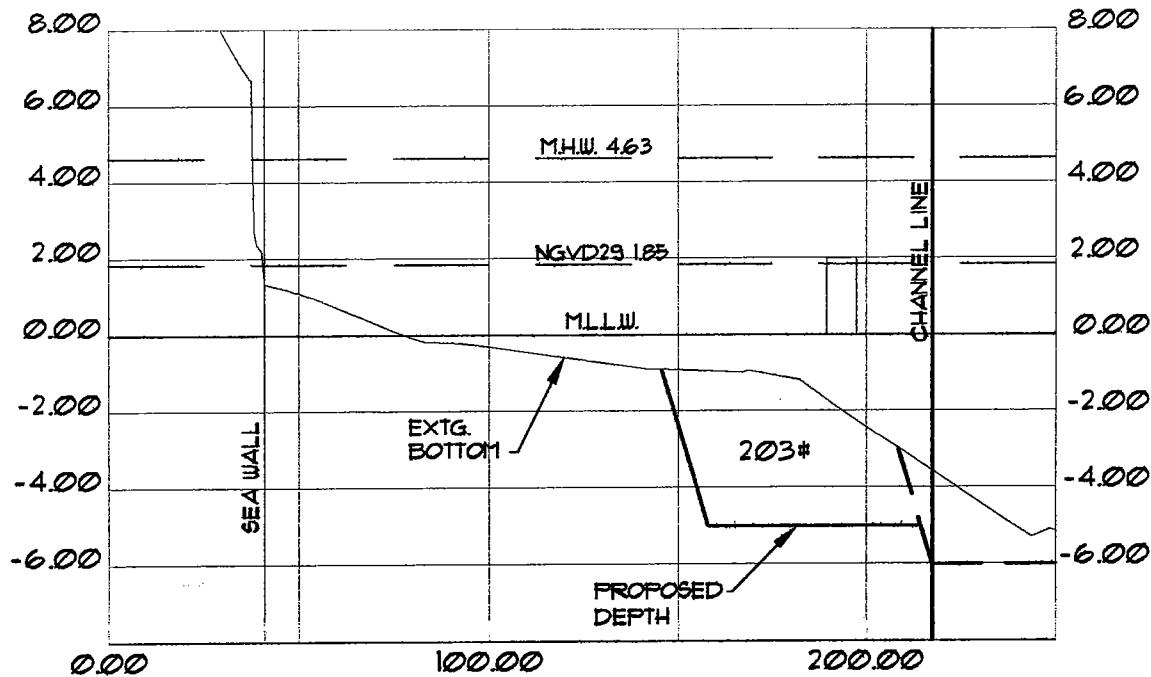
TOTAL EST. VOL. 310 CY

SCALE: 1" = 50ft. HORIZ.
1" = 5' VERT.

ST. JEAN ENGINEERING, LLC	12 BAYSIDE AVE., WARWICK, RI CROSS SECTIONS	DATE AUGUST 30, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401) 884-0999	LOCATION: 12 BAYSIDE AVENUE AP. 292, LOT 285 WARWICK, RI 02888 APPLICATION BY: SANDRA A. LANNI 12 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888	SHEET OF 8 10



SECTION D-D STA. 0+45



SECTION E-E STA. 0+60

DATUM: MLW
MEAN TIDE RANGE = 4.45'

SCALE: 1" = 50ft. HORIZ.
1" = 5' VERT.

ST. JEAN ENGINEERING, LLC

Civil and Structural Engineering
1145 Middle Road East Greenwich, RI 02818
Tel/Fax: (401)398-8999

**12 BAYSIDE AVE., WARWICK, RI
CROSS SECTIONS**

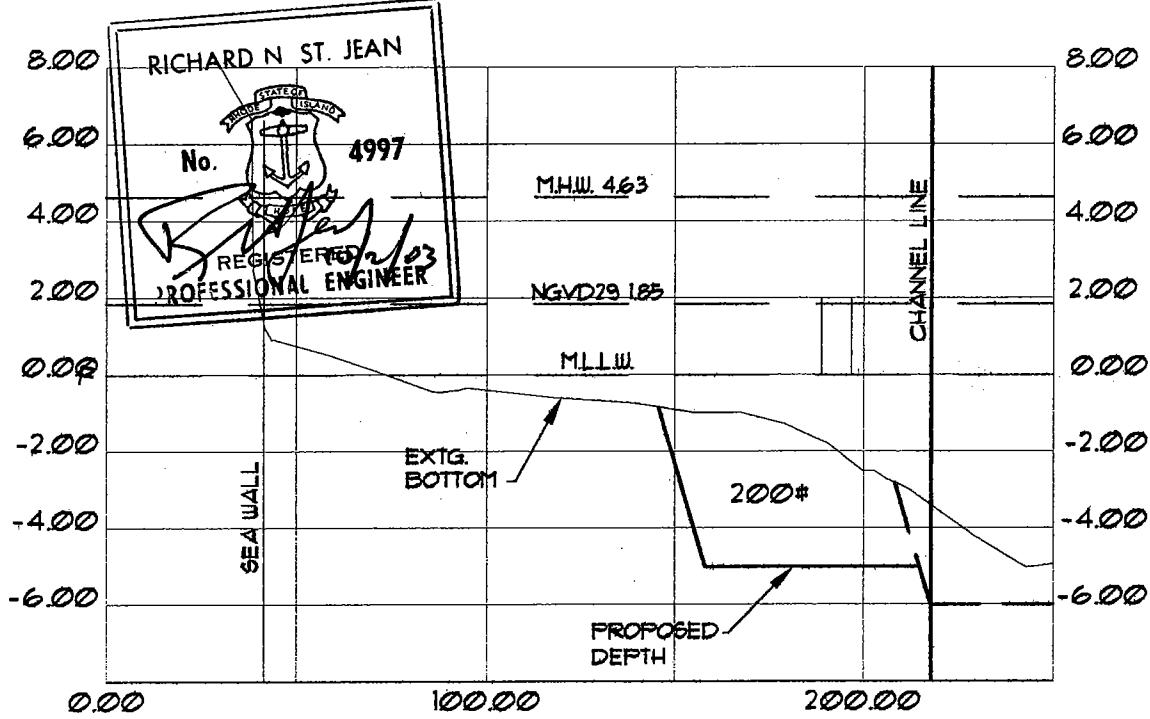
LOCATION:
12 BAYSIDE AVENUE
A.P. 292, LOT 285
WARWICK, RI 02888

APPLICATION BY:
SANDRA A. LANNI
12 BAYSIDE AVENUE
WARWICK, RHODE ISLAND 02888

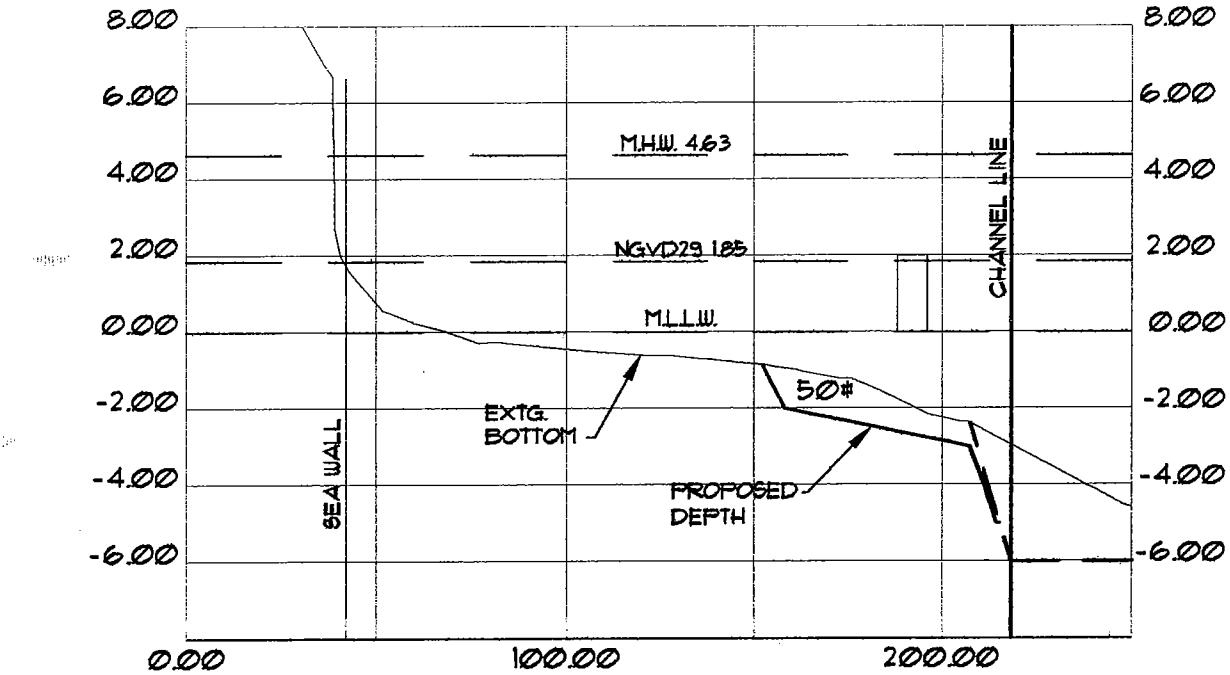
DATE
AUGUST 30, 2003

SHEET OF

9 10



SECTION F-F STA. 0+75



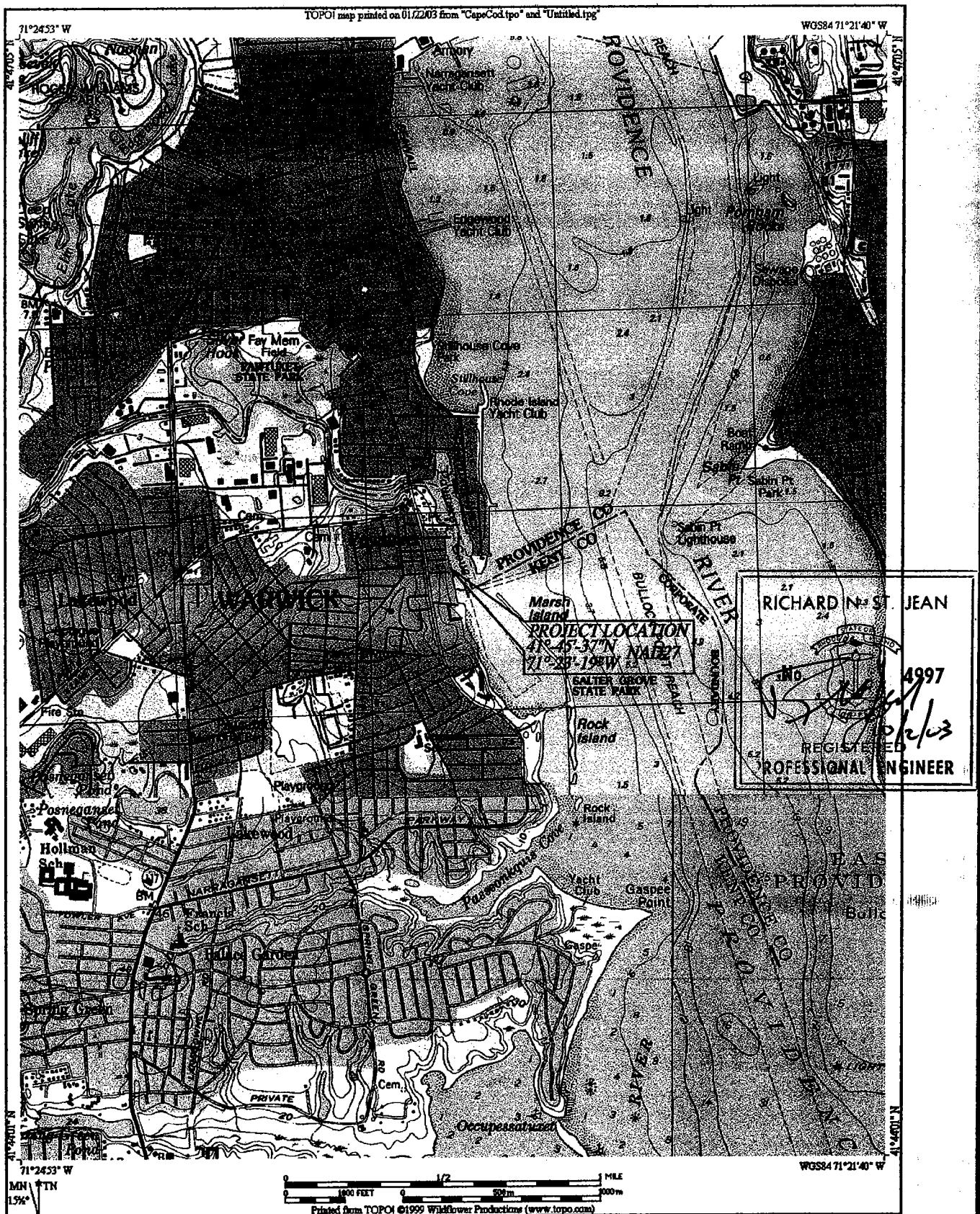
SECTION G-G STA. 0+90

NOTE: SECTION H-H 00 DREDGE AREA

DATUM: MLW
MEAN TIDE RANGE = 4.45'

SCALE: 1" = 50ft. HORIZ.
1" = 5' VERT.

ST. JEAN ENGINEERING, LLC	12 BAYSIDE AVE., WARWICK, RI CROSS SECTIONS	DATE AUGUST 30, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)398-0999	LOCATION: 12 BAYSIDE AVENUE A.P. 292, LOT 285 WARWICK, RI 02888	APPLICATION BY: SANDRA A. LANNI 12 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888



ST. JEAN ENGINEERING, LLC

Civil and Structural Engineering
1145 Middle Road East Greenwich, RI 02818
Tel/Fax: (401) 898-0599

15 BAYSIDE AVE. WARWICK, RHODE ISLAND

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

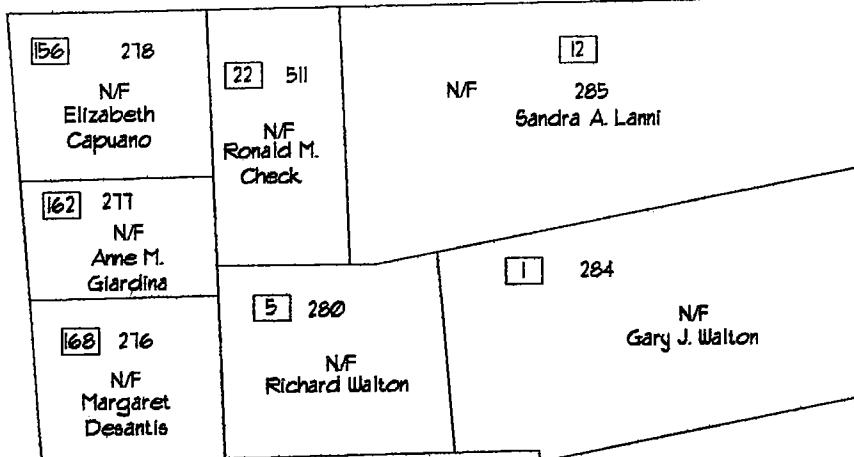
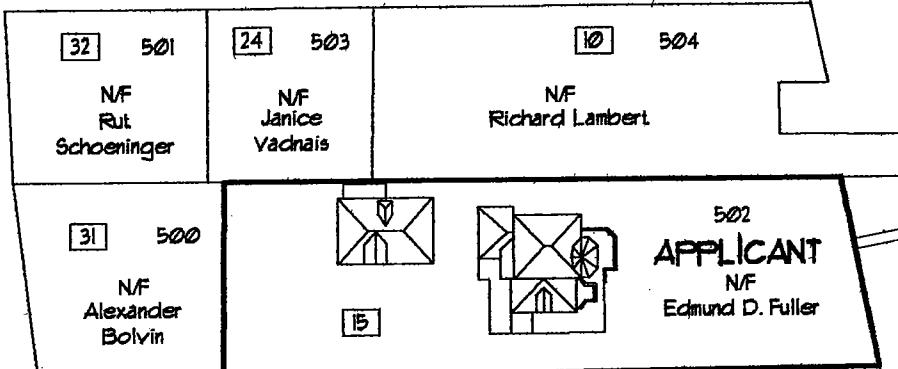
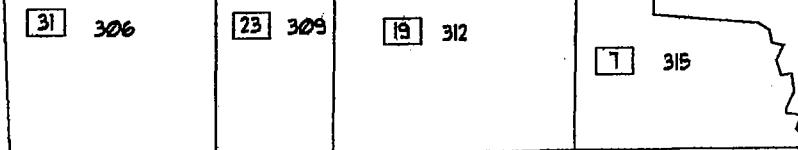
LOCATION:
15 BAYSIDE AVENUE
PLAT NO. 292, LOT 502
WARWICK, RI 02886

APPLICATION BY:

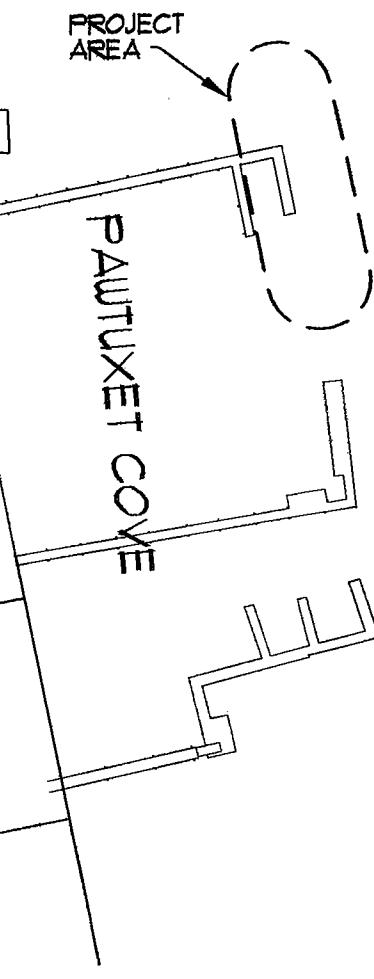
EDMUND D. FULLER
15 BAYSIDE AVENUE
WARWICK, RHODE ISLAND 02886

DATE
AUGUST 30, 2003

SHEET OF
2 11



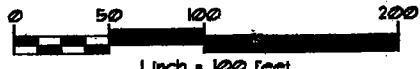
N/F
CENTERVILLE BUILDERS, INC.



4 DENOTES STREET NO.

NOTE:

I. ALL LOTS SHOWN ARE A PORTION OF CITY OF WARWICK ASSESSORS MAP 292



ST. JEAN ENGINEERING, LLC	15 BAYSIDE AVE., WARWICK, RHODE ISLAND ABUTTERS PLAN		DATE AUGUST 30, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)296-0399	LOCATION: 15 BAYSIDE AVE. PLAT NO. 292, LOT 502 WARWICK, RI 02886	APPLICATION BY: EDMUND D. FULLER 15 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02886	SHEET OF 3 11

LEGEND

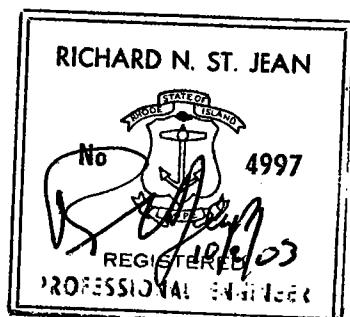
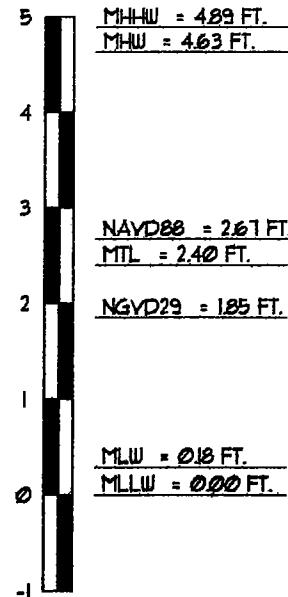
— — — —	PROPERTY LINE	x 1.2	EXISTING SPOT GRADE
5	EXISTING CONTOUR	x 1.2	PROPOSED SPOT GRADE
5	PROPOSED CONTOUR	~~~~~	PROPOSED BULKHEAD
5	EXISTING SEWER	○○○○○○○○○○	EXISTING STONE WALL
5	PROPOSED SEWER	×××××	EXISTING FENCE LINE
W	EXISTING WATER LINE	B-2	BORING
W	PROPOSED WATER LINE	_____	FLOOD ZONE BOUNDARY
D	EXISTING DRAINAGE LINE	○	EXISTING HYDRANT
D	PROPOSED DRAINAGE LINE	NECOP3	EXISTING POLE
SMH	EXISTING SEWER MANHOLE		EXISTING SLOPE
DMH	EXISTING DRAINAGE MANHOLE	○○○○	SHORE LINE
MH	PROPOSED MANHOLE	O IP	IRON PIPE FOUND
~~~~~	EXISTING TREE LINE		STONES/BOULDERS
■■■■■	EXISTING BUILDING		
■■■■■	PROPOSED BUILDING		

INFORMATION FOR TIDAL BENCHMARK PID - LU0143  
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.

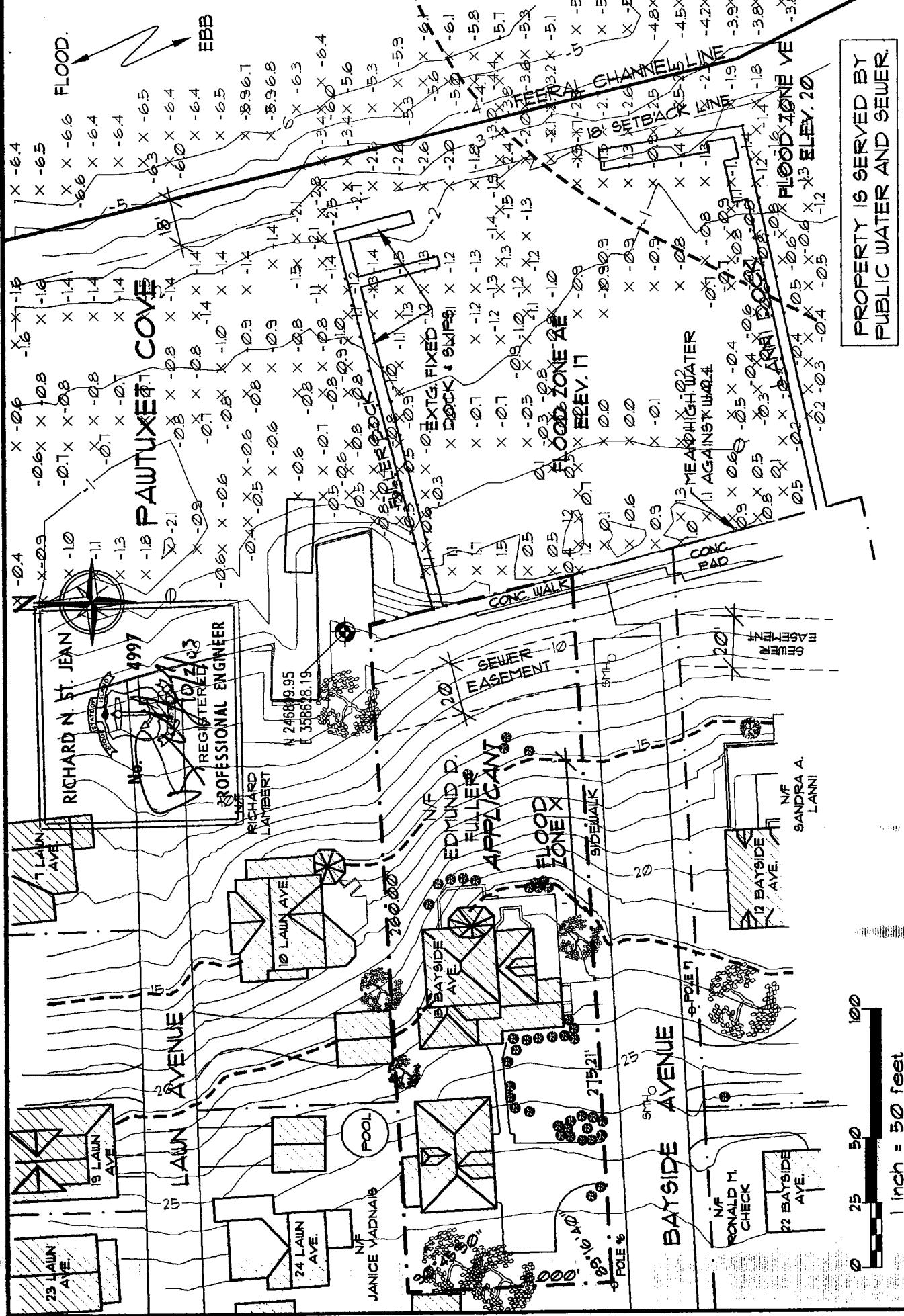
## ABBREVIATIONS

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



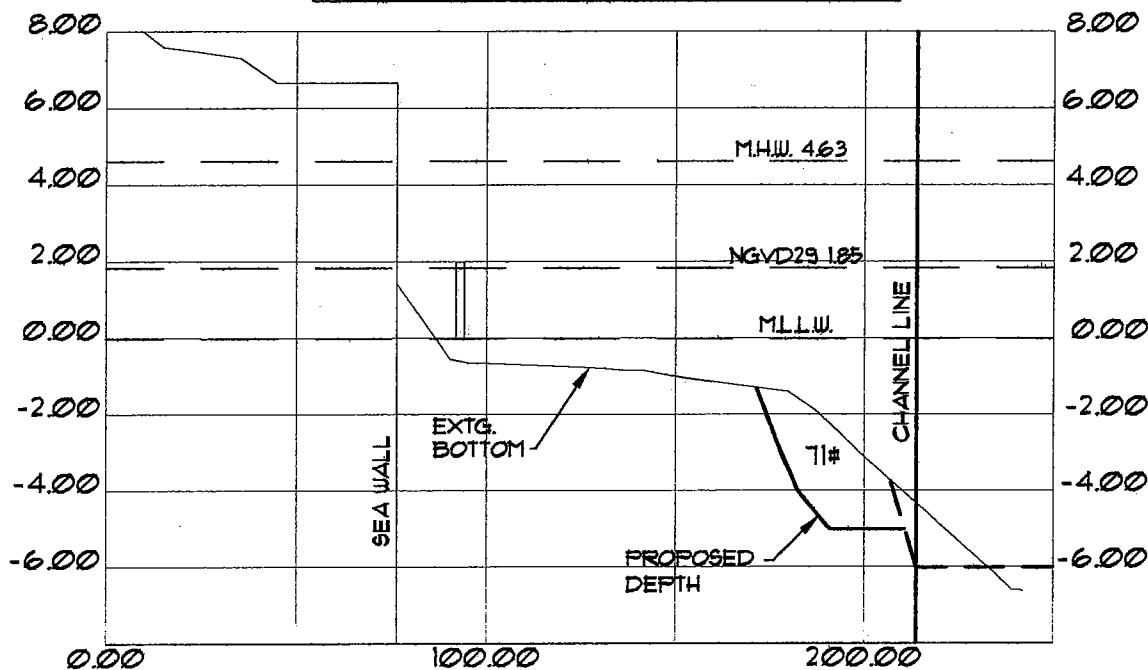
## DATUM INFORMATION

ST. JEAN ENGINEERING, LLC		15 BAYSIDE AVE. WARWICK, RI LEGEND & ABBREVIATIONS	DATE AUGUST 30, 2003
Civil and Structural Engineering 1145 Middle Road • East Greenwich, RI 02818 Tel/Fax: (401) 888-0799	LOCATION: 15 BAYSIDE AVENUE FLAT NO. 292, LOT 502 WARWICK, RI 02886	APPLICATION BY: EDMUND D. FULLER 15 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02886	SHEET OF 4 11



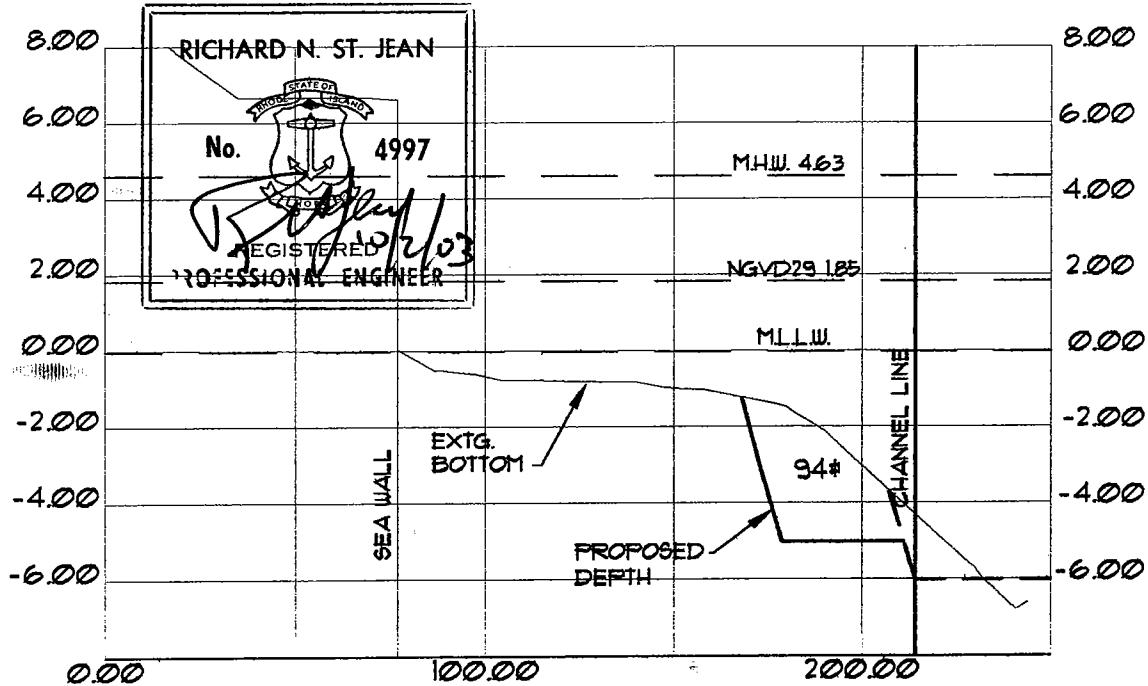


NOTE: SECTION A-A Ø.Ø DREDGE AREA



SECTION B-B STA. Ø+15

DENOTES CHANNEL DREDGING LIMITS



SECTION C-C STA. Ø+30

DATUM: MLW  
MEAN TIDE RANGE = 4.45'

TOTAL EST. VOL. 370 CY

SCALE: 1" = 50ft. HORIZ.  
1" = 5' VERT.

ST. JEAN ENGINEERING, LLC

15 BAYSIDE AVE., WARWICK, RI  
CROSS SECTIONS

DATE  
AUGUST 30, 2003

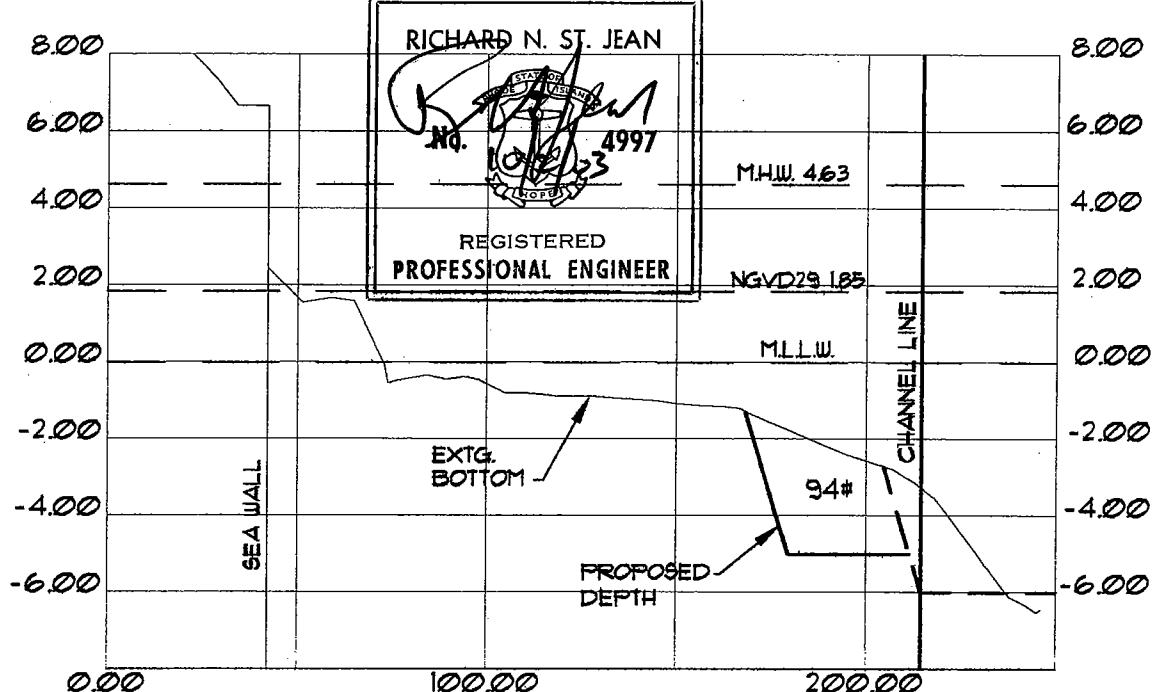
Civil and Structural Engineering  
1145 Middle Road East Greenwich, RI 02818  
Tel/Fax: (401)398-0999

LOCATION:  
15 BAYSIDE AVENUE  
A.P. 292, LOT 502  
WARWICK, RI 02888

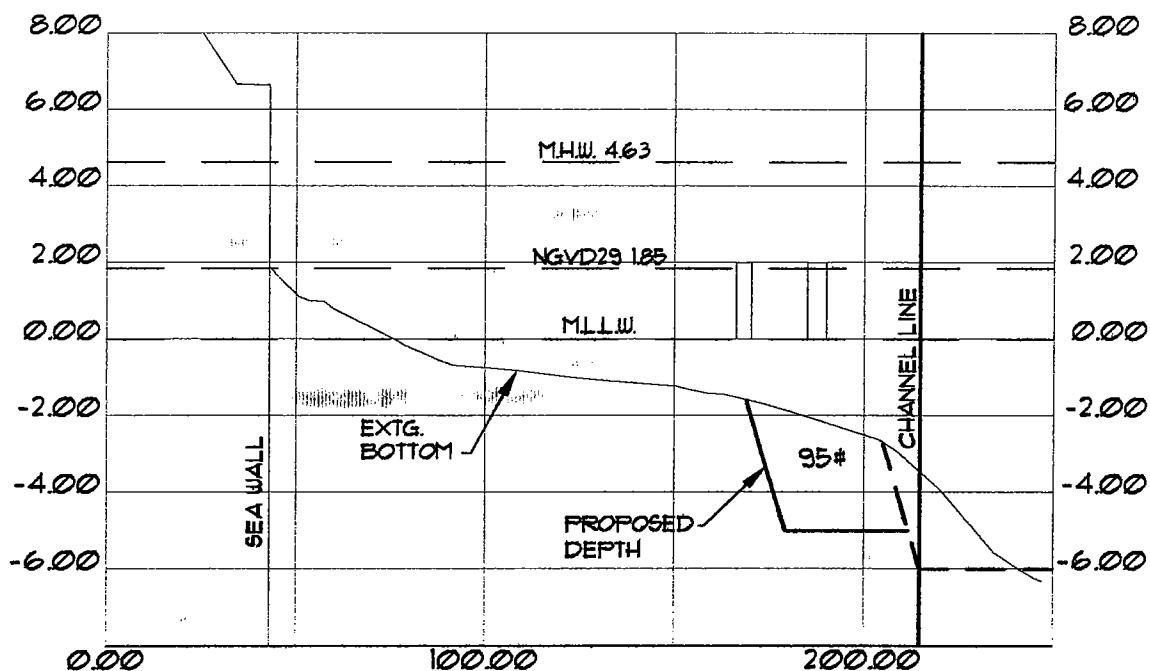
APPLICATION BY:  
EDMUND D. FULLER  
15 BAYSIDE AVENUE  
WARWICK, RHODE ISLAND 02888

SHEET OF

8 11



SECTION D-D STA. Ø+45

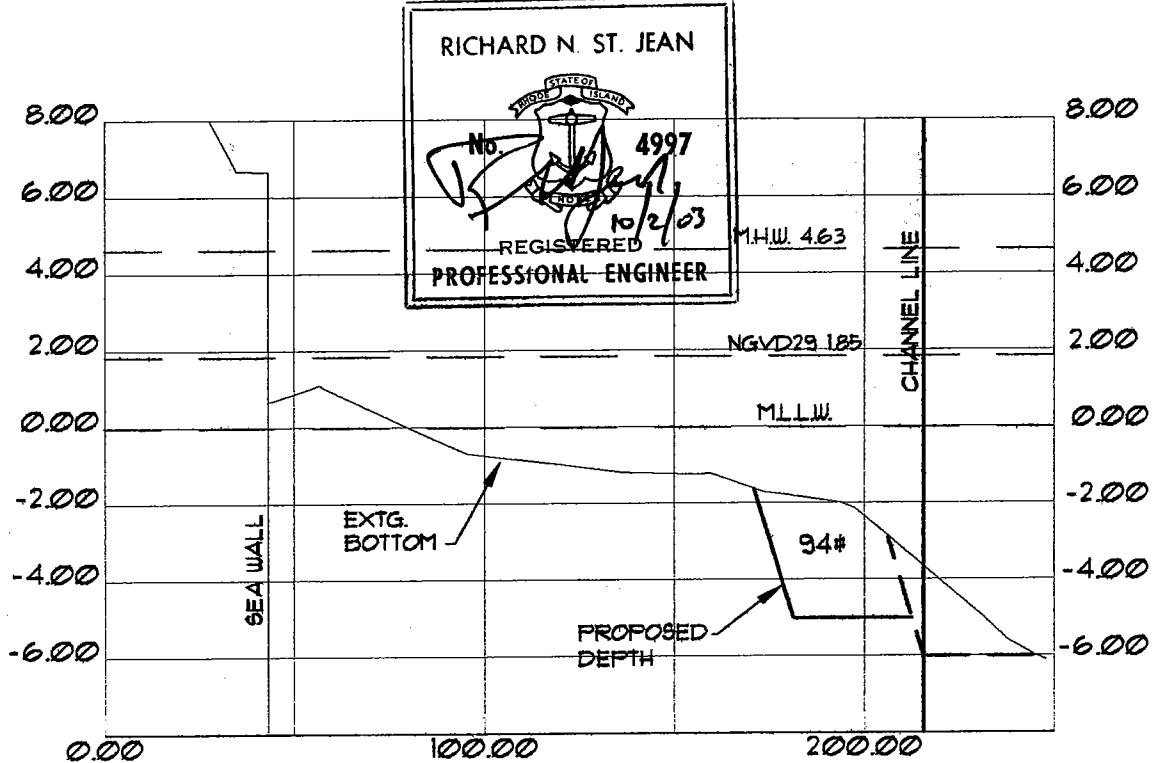


SECTION E-E STA. Ø+60

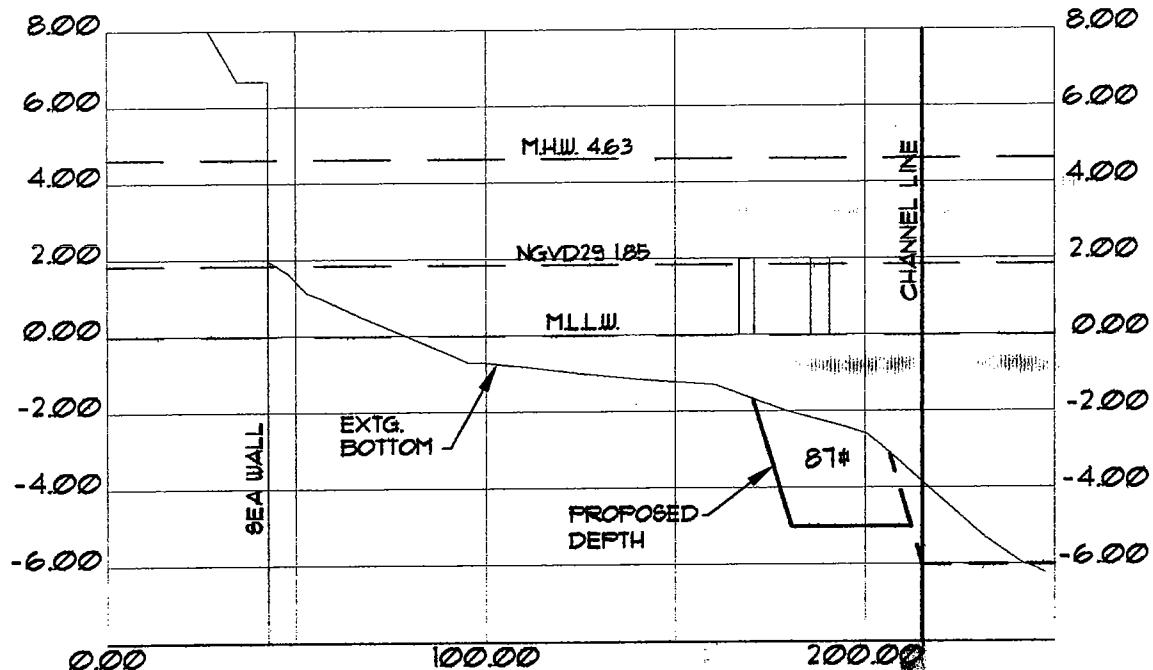
DATUM: MLW  
 MEAN TIDE RANGE = 4.45'

SCALE: 1" = 50ft. HORIZ.  
 1" = 5' VERT.

ST. JEAN ENGINEERING, LLC	15 BAYSIDE AVE., WARWICK, RI CROSS SECTIONS	DATE AUGUST 30, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)396-0999	LOCATION: 15 BAYSIDE AVENUE AP. 292, LOT 502 WARWICK, RI 02888  APPLICATION BY: EDMUND D. FULLER 15 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888	SHEET OF 9 11



SECTION G-G STA. 0+90

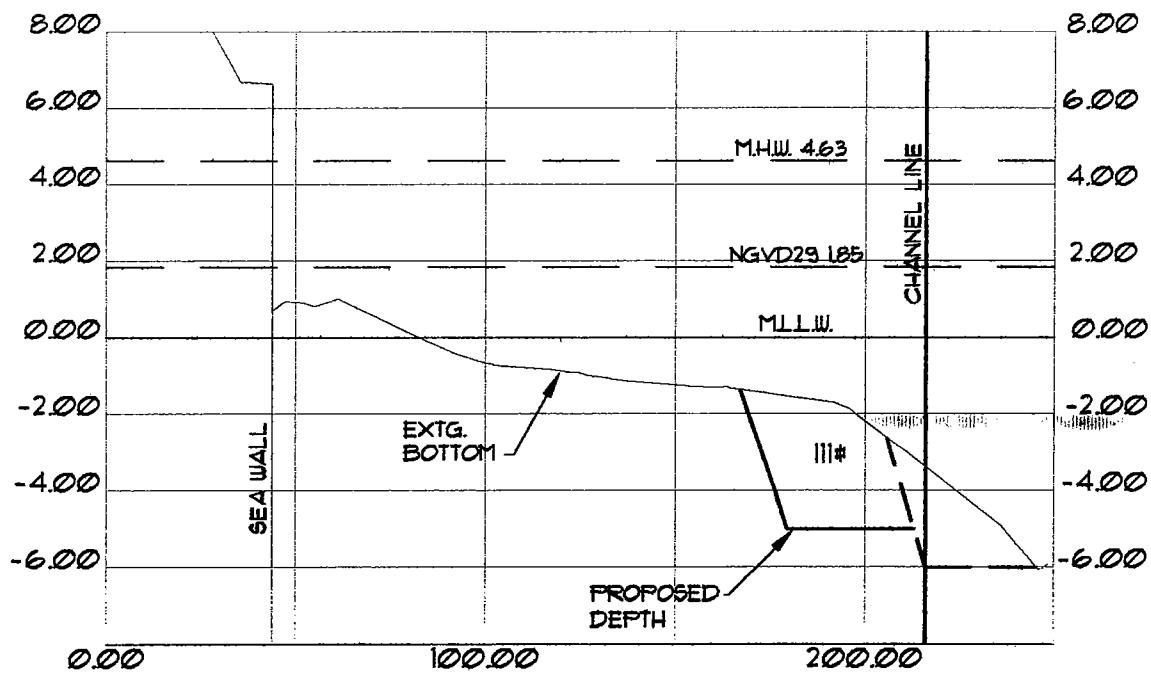
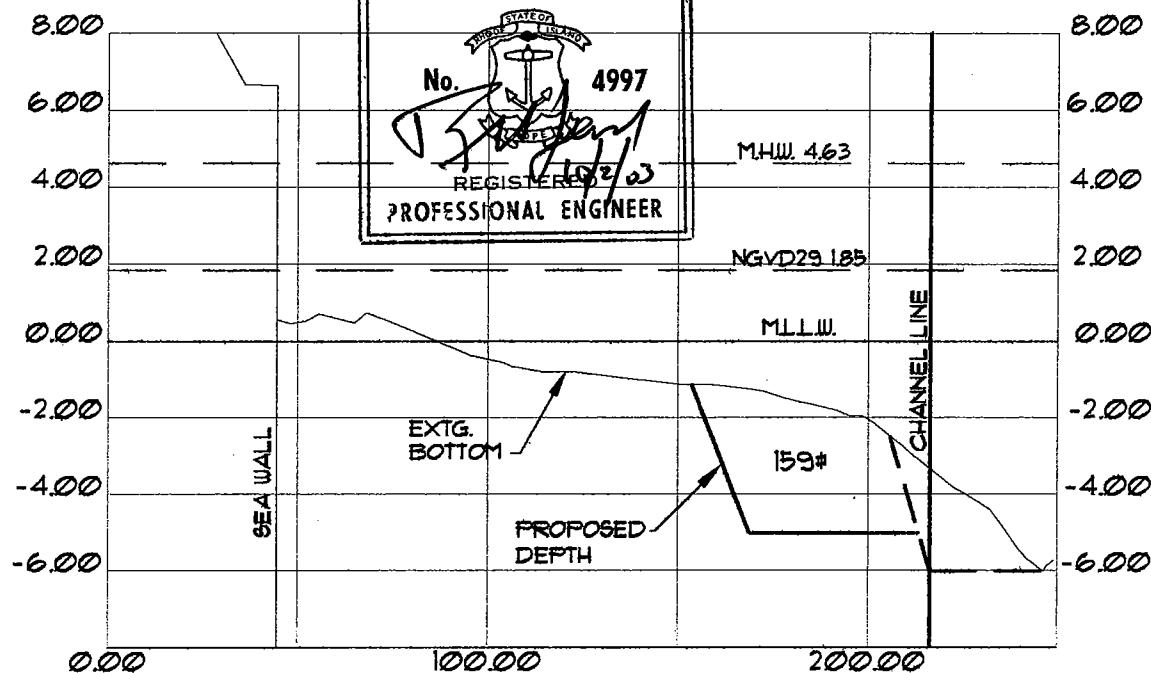
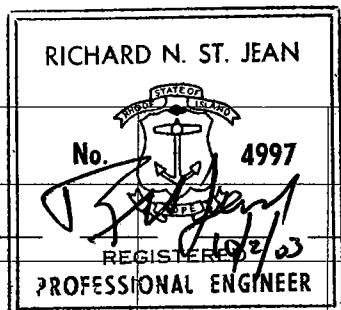


SECTION F-F STA. 0+15

DATUM: MLW  
 MEAN TIDE RANGE = 4.45'

SCALE: 1" = 50ft. HORIZ.  
 1" = 5' VERT.

ST. JEAN ENGINEERING, LLC  Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 Tel/Fax: (401)396-6999	15 BAYSIDE AVE., WARWICK, RI CROSS SECTIONS		DATE AUGUST 30, 2003
	LOCATION: 15 BAYSIDE AVENUE A.P. 292, LOT 502 WARWICK, RI 02888	APPLICATION BY: EDMUND D. FULLER 15 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888	



DATUM: MLW  
MEAN TIDE RANGE = 4.45'

SCALE: 1" = 50ft. HORIZ.  
1" = 5' VERT.

ST. JEAN ENGINEERING, LLC	15 BAYSIDE AVE., WARWICK, RI CROSS SECTIONS		DATE AUGUST 30, 2003
Civil and Structural Engineering 1145 Middle Road East Greenwich, RI 02818 TeleFax: (401)886-0999	LOCATION: 15 BAYSIDE AVENUE A.P. 292, LOT 502 WARWICK, RI 02888	APPLICATION BY: EDMUND D. FULLER 15 BAYSIDE AVENUE WARWICK, RHODE ISLAND 02888	SHEET OF 11 11