PUBLIC NOTICE

US Army Corps of Engineers®
New England District

696 Virginia Road
Concord, MA 01742-2751

Date: December 22, 2009
Comment Period Ends: January 24, 2010
File Number: NAE-2007-2918
In Reply Refer To: Ms. Diane M. Ray
Or by e-mail: diane.m.ray@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below.

APPLICANT: Tilcon Connecticut, Inc., One Forest Road, North Branford, Connecticut.

ACTIVITY: Maintenance dredging within a barge basin and access channel at the Pine Orchard Dock in located at 190 Totoket Road, Branford, Connecticut. Disposal of the material to be dredged is proposed for the Central Long Island Sound Disposal Site (CLIS)
A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK
This work is proposed in Branford Harbor at Branford, Connecticut. The project site is located on the USGS Branford quadrangle sheet is at 41.26883 Lat, -72.76996 Long.

AUTHORITY
Permits are required pursuant to:
X Section 10 of the Rivers and Harbors Act of 1899
X Section 404 of the Clean Water Act
X Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on 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.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the

preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

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.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

The maintenance dredging will impact a total of approximately 900,000 square feet of waters in Branford Harbor. These areas are designated EFH for some or all of the species and their life stages as listed on the attached table. Habitat at this site can be described as sub-tidal, fine-grained sand and silt. Loss of this habitat may adversely affect the EFH for some or all of the species and their life stages listed on the attached table. Those impacts would be created by the direct removal of sediment, alteration of water depth and hydrodynamic conditions, redeposition of sediment during and as a result of dredging activities. These impacts are considered short term and by isolation of some of the sediment provide some improvement in sediment quality in the general area. The District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. The Corps will continue to coordinate with National Marine Fisheries Service who in turn will provide conservation recommendations to the Corps. The Corps will coordinate with the applicant regarding implementation of these recommendations. The EFH consultation will be concluded prior to the final decision.

The dredged material will be disposed of at the Central Long Island Sound Disposal Site. This site provides Essential Fish Habitat for the species and their life stages listed on the attached table. Habitat at the disposal site can be described as silty sand and silty clays reflective of prior disposal activities at the site. The temporary degradation of this habitat may adversely affect the EFH for some or all of the species and life stages listed in the attached table through burial and temporary alteration of the sediment characteristics within the disposal site. 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.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the dredging location as well as at the Central Long Island Sound Disposal Site (CLIS) during disposal operations. Consultation on the use of the CLIS was completed on February 5, 2004. It is our determination that the proposed dredging activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

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

For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator; Office of Coastal, Local Government and Community Sustainability; 99 Washington Avenue; One Commerce Plaza, Suite 1010; Albany, NY 12231, telephone number (518) 474-6000. Comments regarding the applicant's certification and copies of any letters commenting on this proposal, should be so addressed.

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.

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 Ms. Diane M. Ray) at (978) 318-8831, (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.

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

For more information on the New England District Corps of Engineers programs, visit our website at http://www.nae.usace.army.mil.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

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

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

PROPOSED WORK AND PURPOSE:
The applicant proposes to perform maintenance dredging of their barge basin footprint and access channel dredge footprint to restore them to authorized dredge depths, as shown on the attached plans entitled, "Tilcon Connecticut, Inc., Pine Orchard Dock, Branford, Connecticut" in 17 sheets, dated, "5/6/09" and "9/8/09". The dredging is needed to facilitate operations at this site which consist of shipping crushed stone via barges throughout Connecticut and New York.

The barge basin dredge footprint is located adjacent to the main dock and is irregular in shape, approximately 340 feet wide at its widest, and 940 feet long. Approximately 15,000 cubic yards of material will be dredged mechanically to -14.5' mean low water.

The access channel is located south of the barge basin, connecting the barge basin with the deeper waters of Long Island Sound. The access channel footprint is approximately 8,500 feet long and approximately 80 feet wide. Approximately 65,000 cubic yards of material will be dredged mechanically to -16' mean low water.

A total of approximately 80,000 cubic yards of dredged material will be transported to and disposed of at the Central Long Island Sound Disposal Site, as shown on the attached plan.

Dredged Material Disposal Mitigation Discussion:

Avoidance: The alternatives considered in the dredged material disposal analysis fall into four general categories: beneficial use, upland disposal, confined disposal, and open-water disposal. The feasibility of disposal alternatives was analyzed relative to the physical and chemical quality of the dredged material, the volume of material to be dredged, the availability of suitable disposal and beneficial use sites, and the cost of disposal.

Based on the characteristics of the dredged material, the lack of suitable alternate disposal or beneficial use sites and costs, the most feasible, practical, cost-effective and environmentally acceptable alternative for the disposal of dredged materials from the proposed dredging is disposal at the requested disposal site.

Minimization: The amount of material to be dredged is computed based on soundings within the area to be dredged and depths required for navigation in this area. Also, the disposal site for the material to be dredged has been determined, based on physical, chemical, and biological analysis, to be appropriate for disposal activities. The disposal site also undergoes periodic DAMOS monitoring to ensure impacts are minimal.

The dredged material has undergone physical, chemical, and biological testing and has satisfied the criteria for ocean disposal of dredged material as specified in part 227 of the Ocean Dumping Act regulations. It is our preliminary determination that the material is acceptable for disposal at this disposal site.

Any permit issued for this project will include special conditions requiring scows to come to a complete stop when disposing of the material at the disposal site. There will also be a time of year restriction included as a special condition which prohibits dredging during ecologically sensitive times of years.

Central Long Island Sound Disposal Site

The Central Long Island Sound Disposal Site is frequently used for disposal of bottom sediments from various harbors along the eastern New York, northern Long Island, and central and western Connecticut coasts. An average of approximately 400,000 cubic yards of suitable sediments (suitability determined through case-by-case analyses) have been deposited at this site annually. The site has been monitored through the Corps' Disposal Area Monitoring System (DAMOS) program. DAMOS studies show that the site is a low energy environment such that sediment deposited at this location will remain within the site's boundaries. Levels of metals and organics in the sediments within the disposal site are generally above background levels, indicative of the industrial nature of the areas dredged that utilize the site. Areas outside the disposal site have not been found to be affected by sediment deposited within the site.

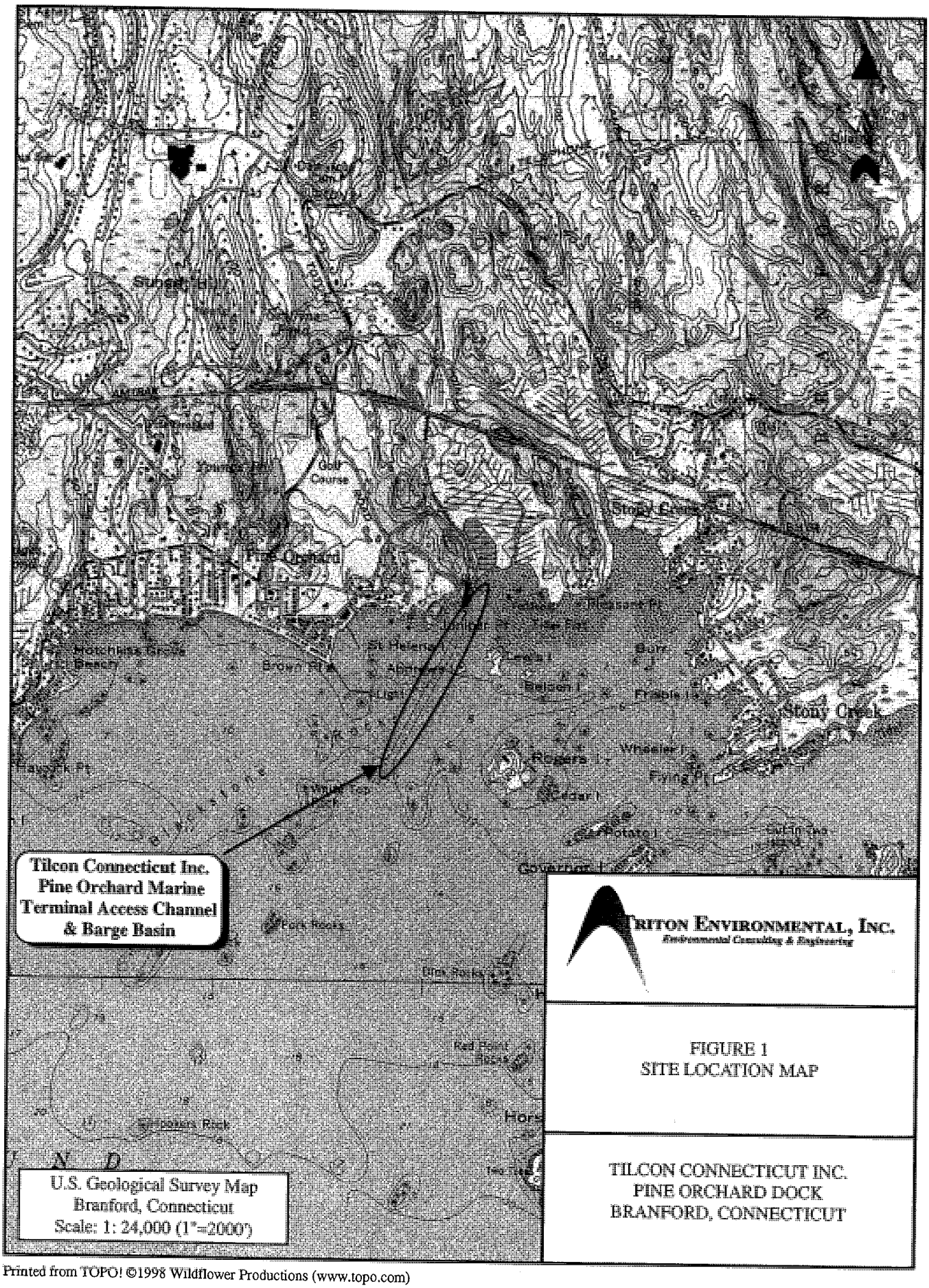

FIGURE 1
SITE LOCATION MAP

TILCON CONNECTICUT INC.
PINE ORCHARD DOCK
BRANFORD, CONNECTICUT

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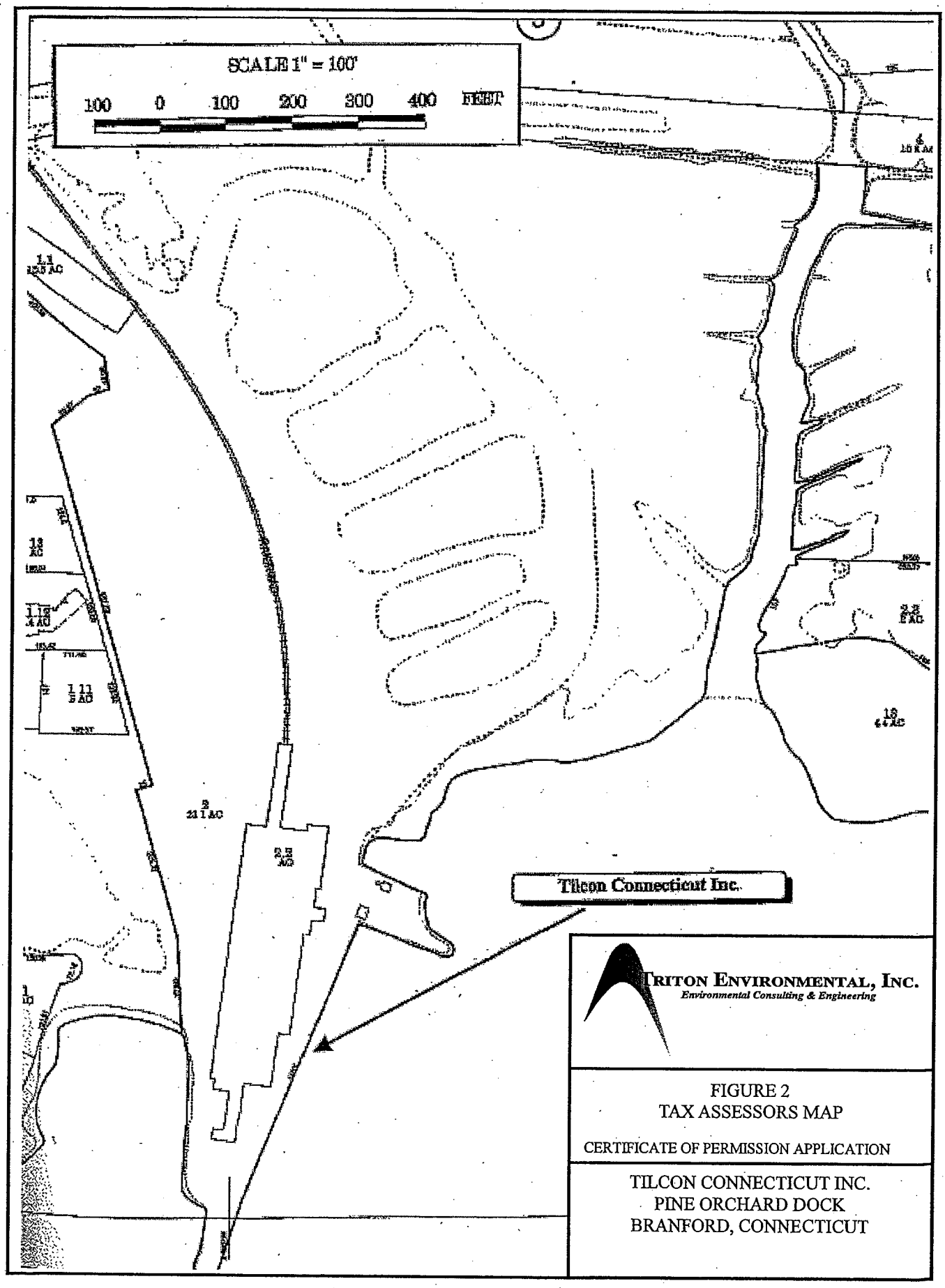
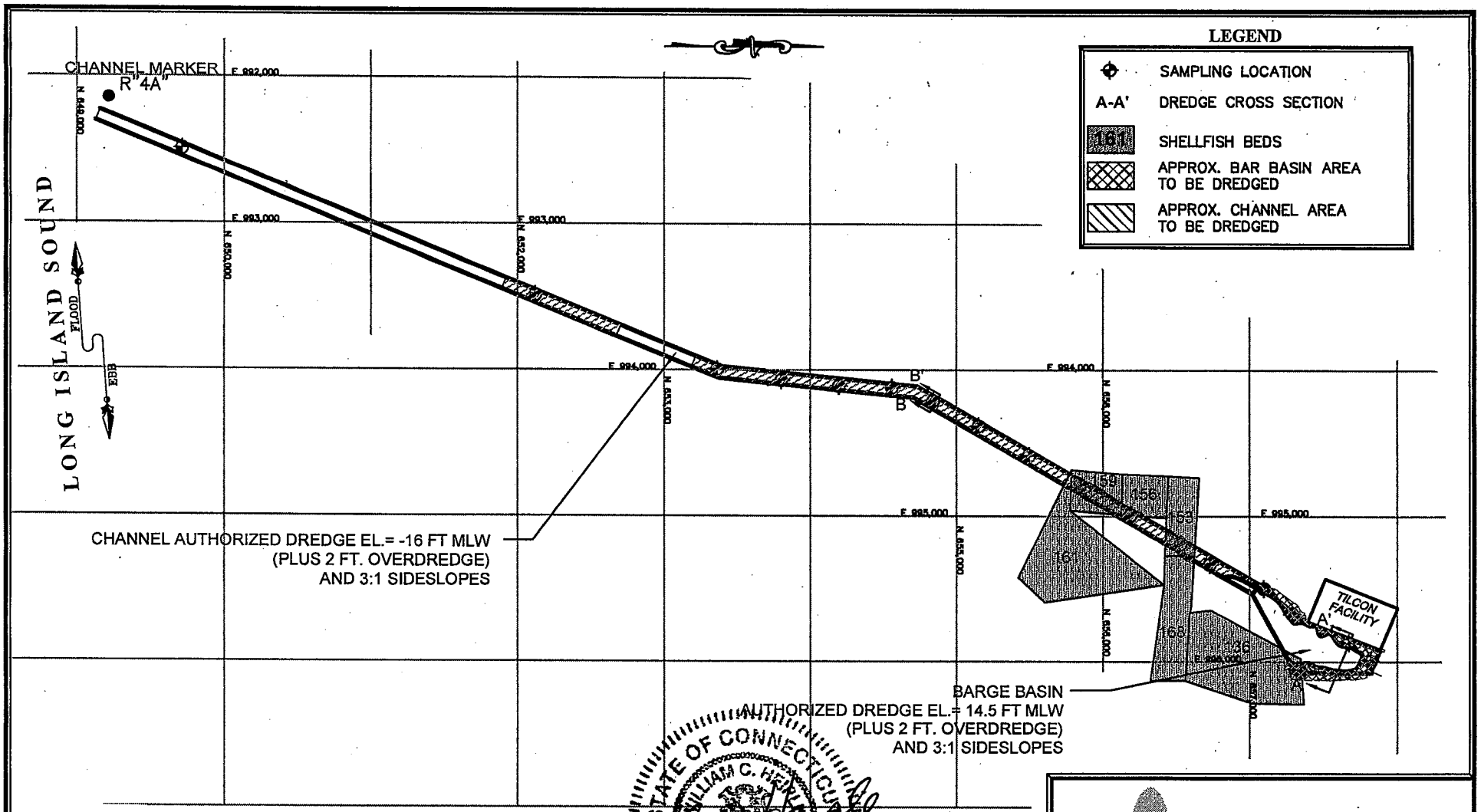


TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

FIGURE 2
TAX ASSESSORS MAP

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
PINE ORCHARD DOCK
BRANFORD, CONNECTICUT



NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
2. ALL SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MEAN LOW WATER IS 0.23 FT. HIGHER)
3. ALL SOUNDINGS ARE NEGATIVE UNLESS SHOWN WITH A PLUS (+).
4. STARLINK DNAV 212 DIFFERENTIAL GPS USED FOR POSITIONING.
5. INNERSPACE MODEL 448 USED TO GATHER SOUNDING DATA.
6. HYPACK MAX SOFTWARE USED FOR NAVIGATION AND POST PROCESSING.
7. THE INFORMATION DEPICTED PRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY HYDROGRAPHIC SURVEYS ON MAY 1, 2007 (FILE NAME No Images_TRIT-2222-TILCON-SHT1.dwg) AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME.
8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

STATE OF CONNECTICUT
WILLIAM C. HERLIHY
No.20449
LICENSED
PROFESSIONAL ENGINEER

APPROXIMATE SCALE

1000 0 5000 1000 2000

(IN FEET)
1 Inch =1000 ft.

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Environmental Consulting & Engineering

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FIGURE 3

PROPOSED AND EXISTING CONDITIONS
(OVERVIEW)

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM		APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 1000'	FILE No.: 102985SV04

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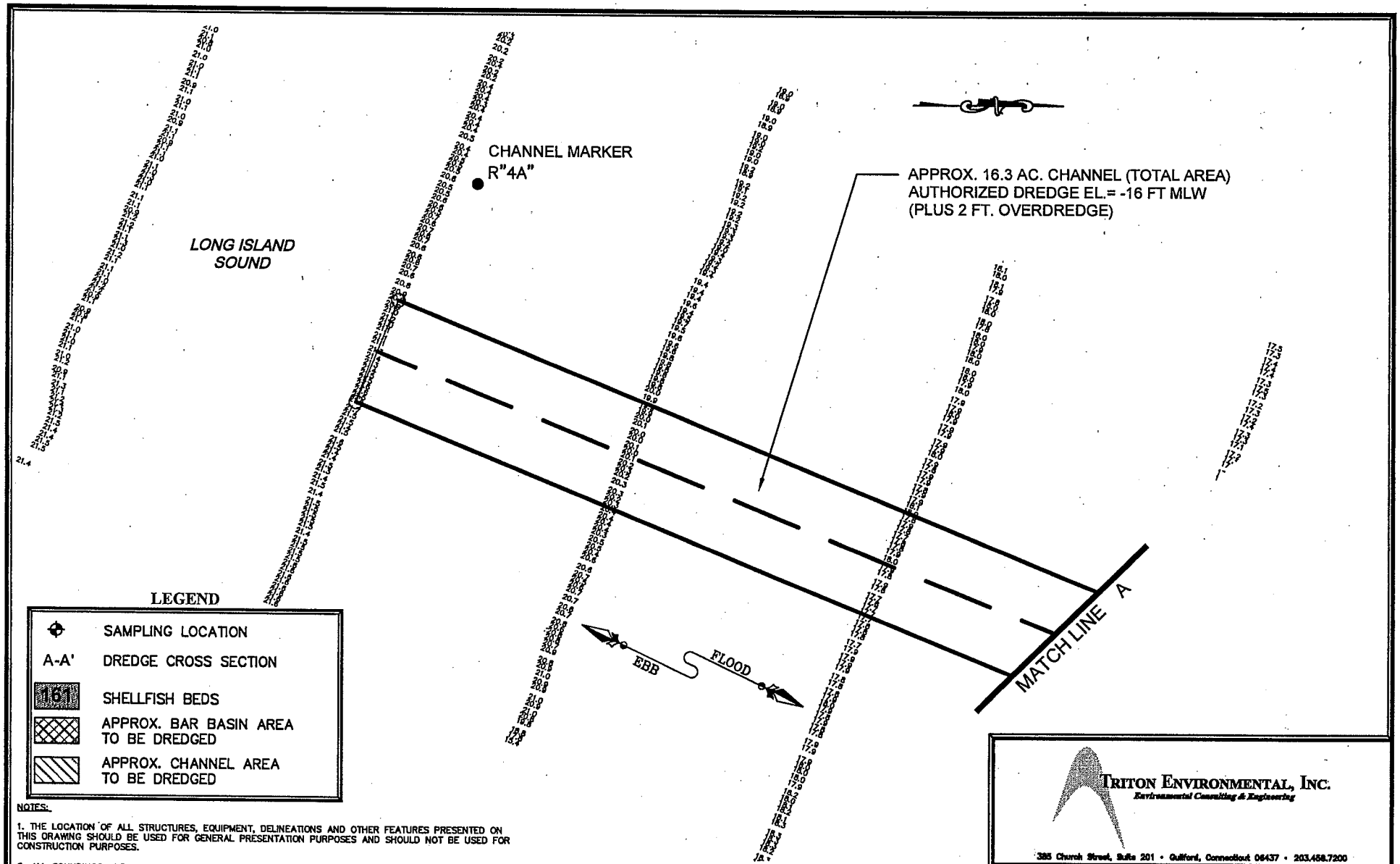

LEGEND

⊕	SAMPLING LOCATION
A-A'	DREDGE CROSS SECTION
161	SHELLFISH BEDS
	APPROX. BAR BASIN AREA TO BE DREDGED
	APPROX. CHANNEL AREA TO BE DREDGED

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APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

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FIGURE 3A

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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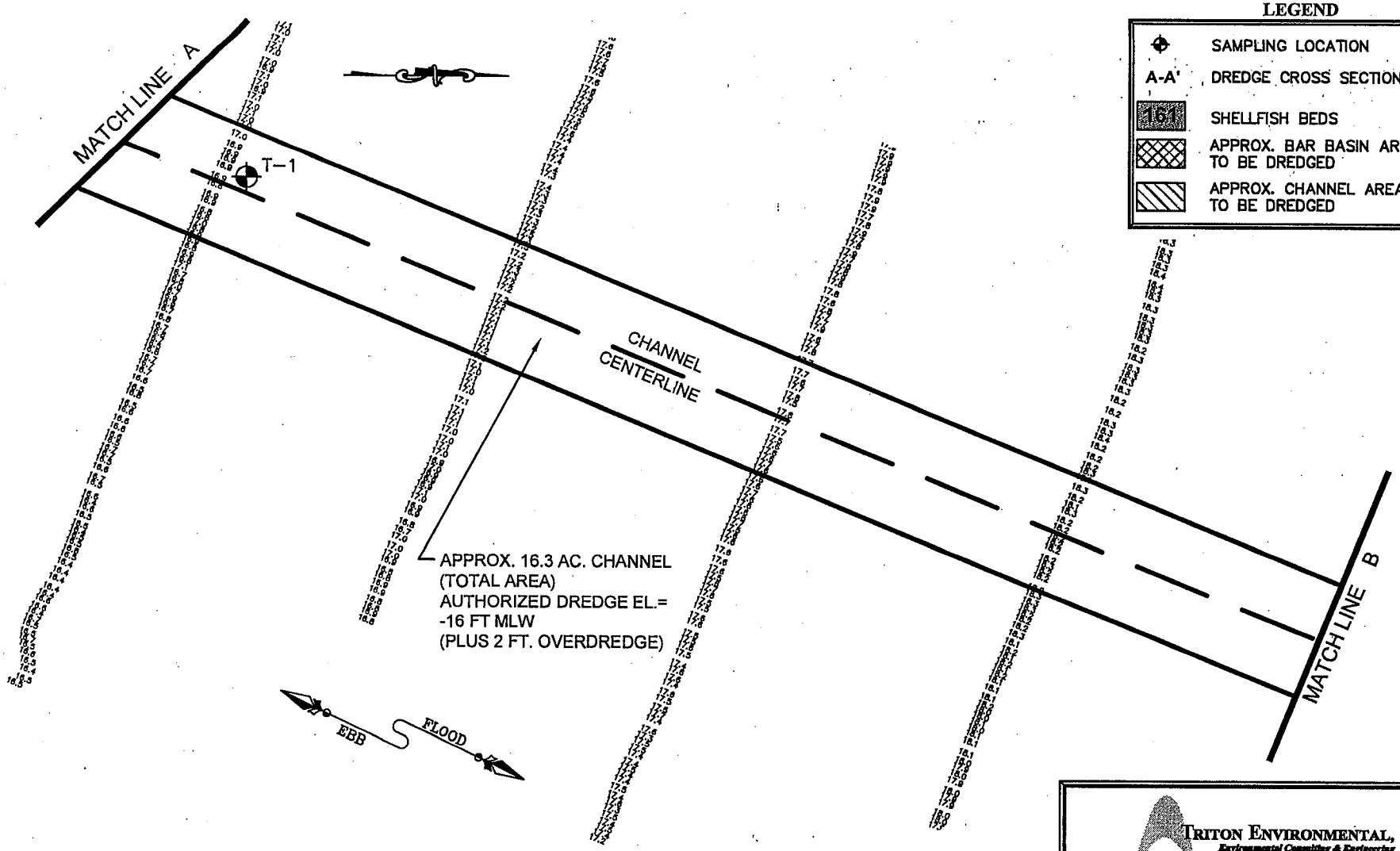

LEGEND

- SAMPLING LOCATION
- A-A' DREDGE CROSS SECTION
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APPROXIMATE SCALE

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(IN FEET)
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TRITON ENVIRONMENTAL, INC.
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FIGURE 3B

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

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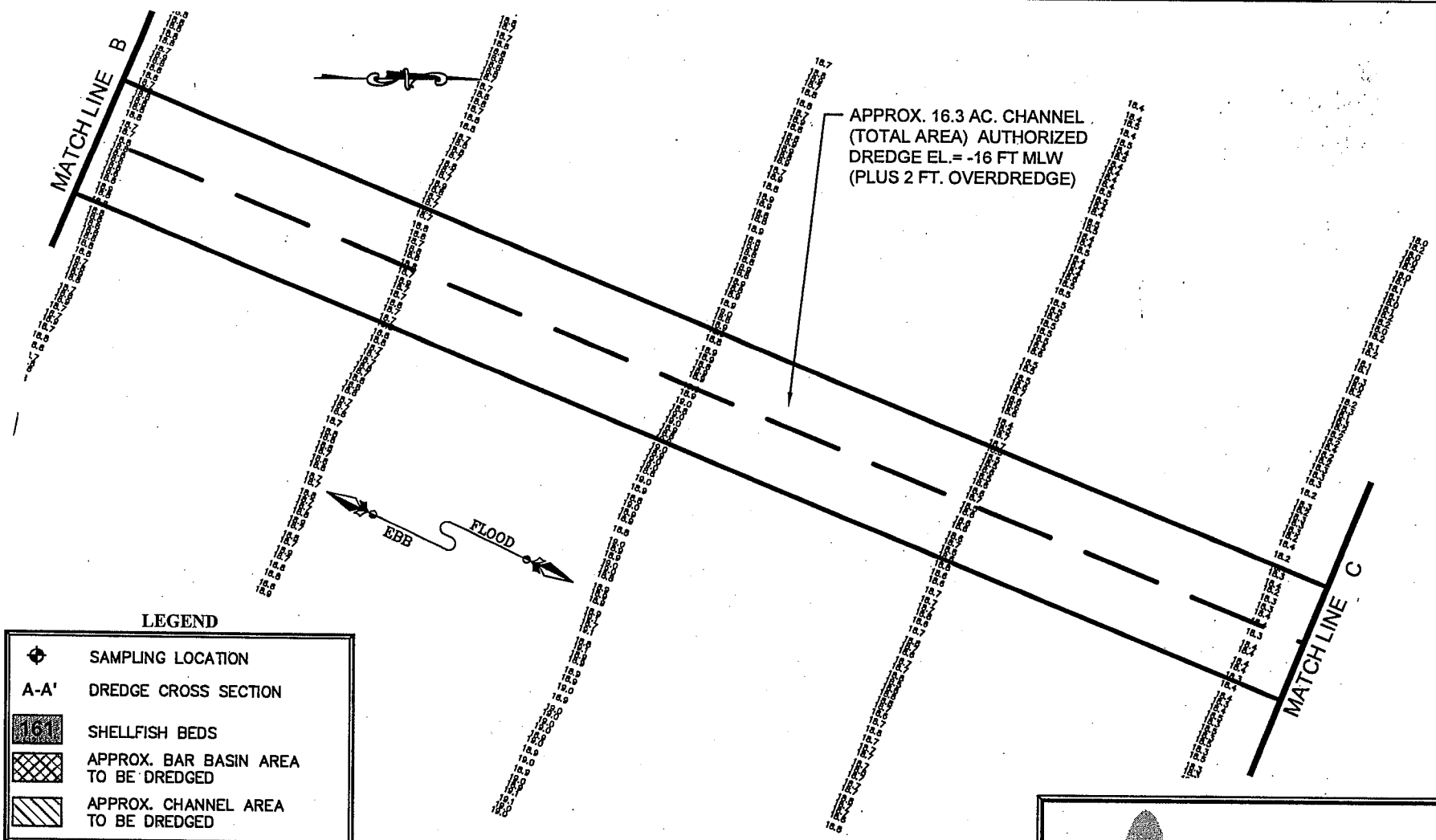

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(IN FEET)
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TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering
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FIGURE 3C

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

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190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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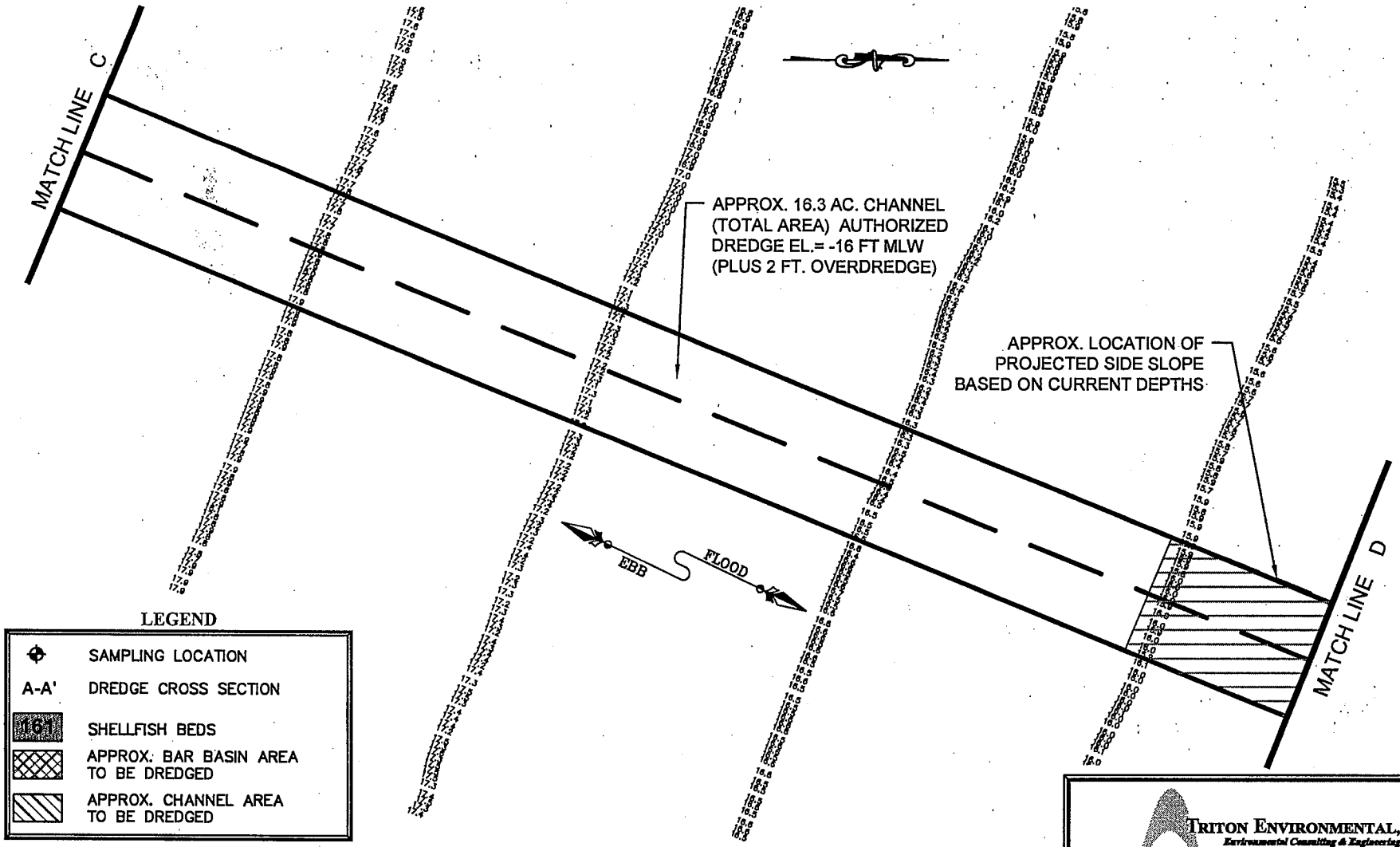

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FIGURE 3D

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

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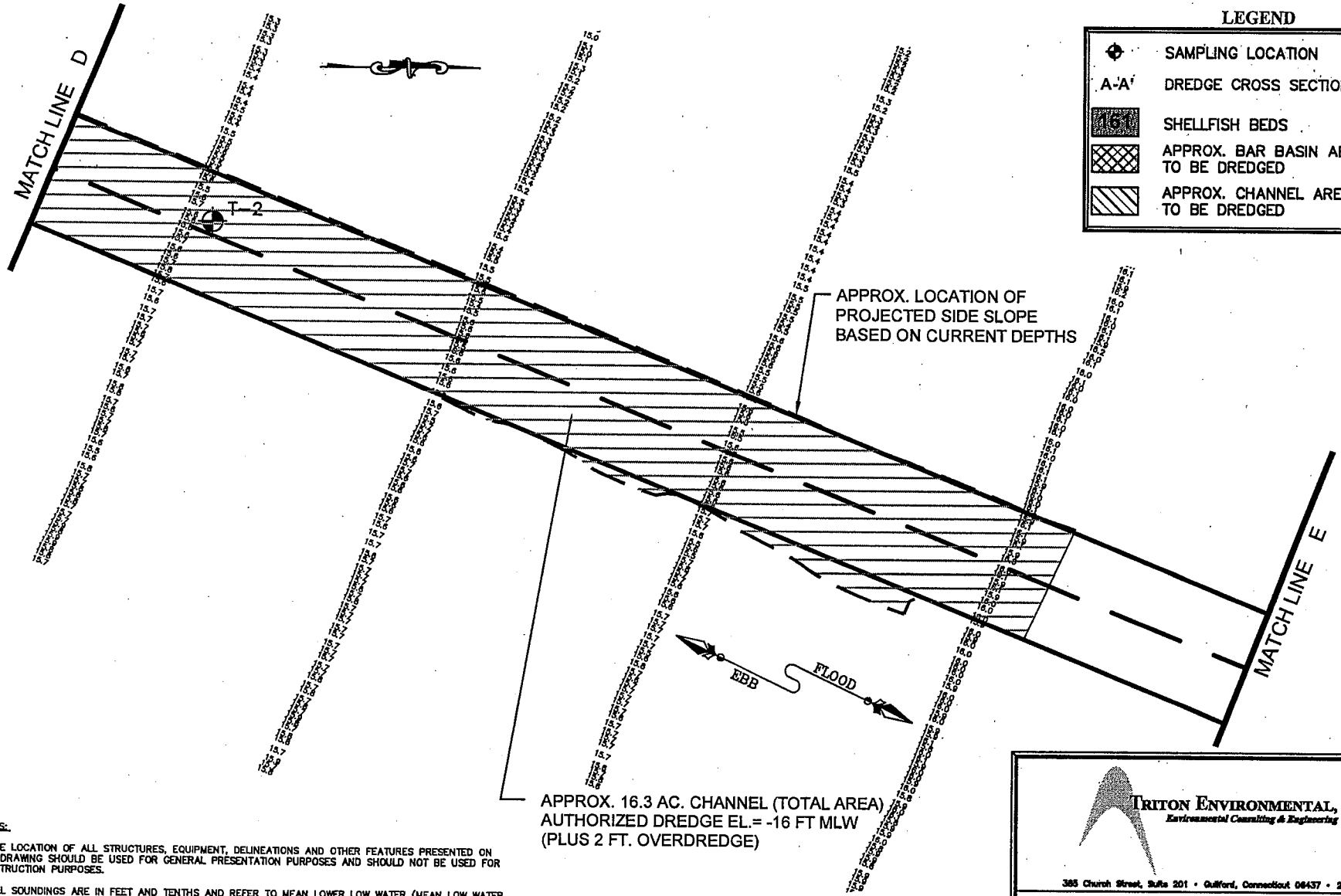

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FIGURE 3E

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

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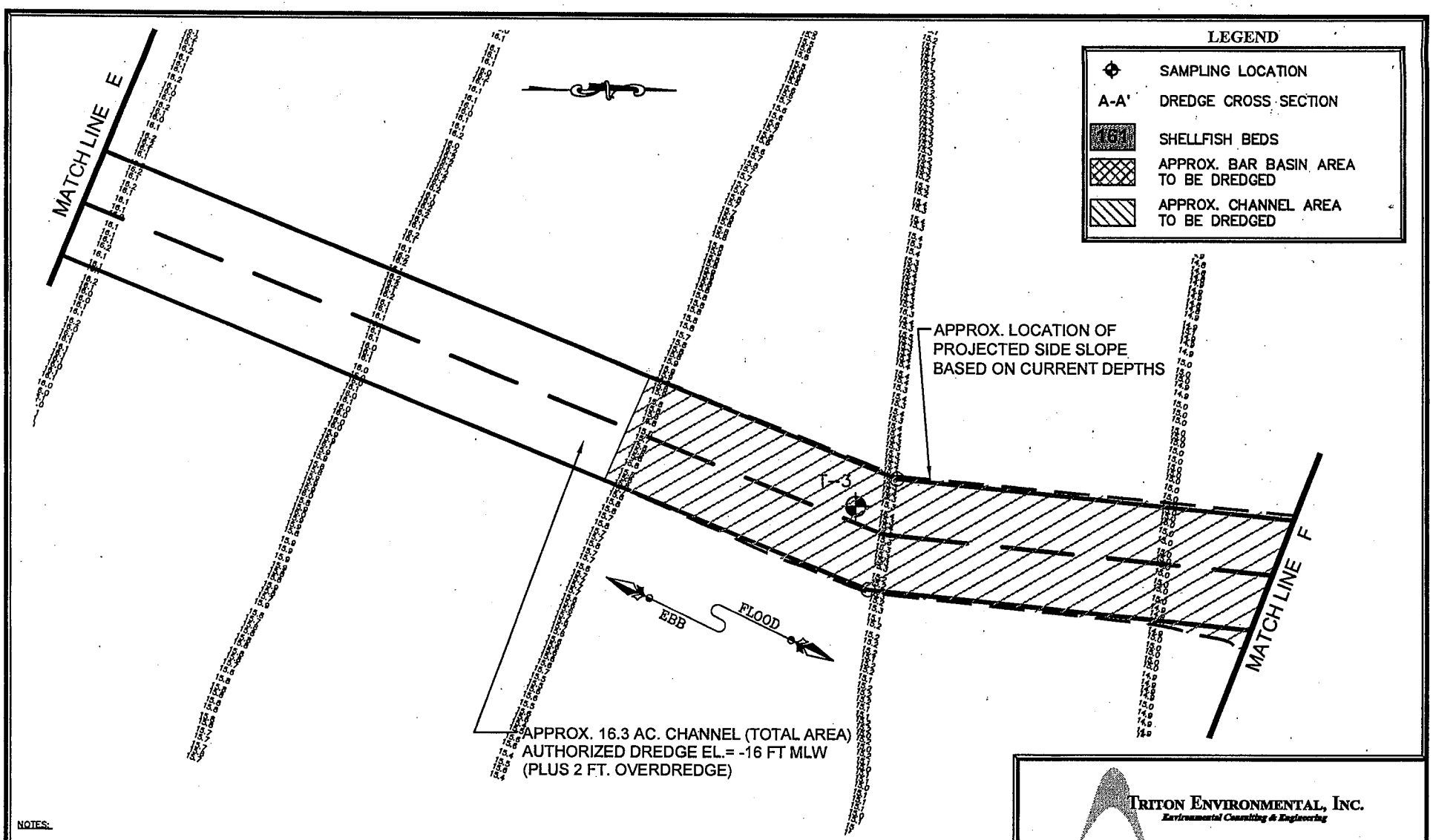

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7. THE INFORMATION DEPICTED PRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY HYDROGRAPHIC SURVEYS ON MAY 1, 2007 (FILE NAME No Images_TRIT-2222-TILCON-SHT1.dwg) AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME.

8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

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FIGURE 3F

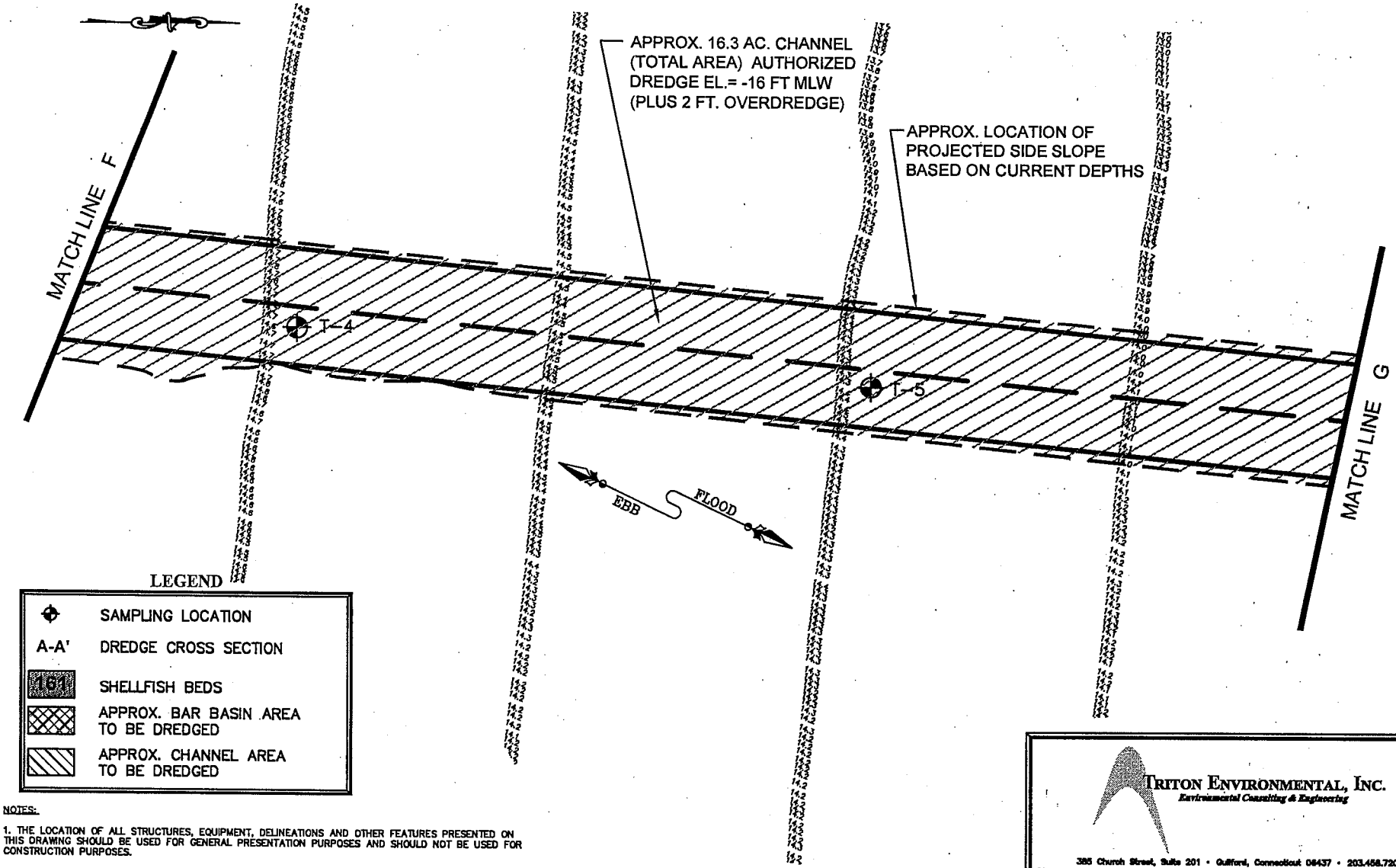
PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

P:\CAD\DRAWINGS\1D2500\102985\FIGURES\102985SV04.DWG
Layout: 11x8 100 F



LEGEND

- SAMPLING LOCATION
- A-A' DREDGE CROSS SECTION
- SHELLFISH BEDS
- APPROX. BAR BASIN AREA TO BE DREDGED
- APPROX. CHANNEL AREA TO BE DREDGED

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
2. ALL SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MEAN LOW WATER IS 0.23 FT. HIGHER)
3. ALL SOUNDINGS ARE NEGATIVE UNLESS SHOWN WITH A PLUS (+).
4. STARLINK DNAV 212 DIFFERENTIAL GPS USED FOR POSITIONING.
5. INNERSPACE MODEL 448 USED TO GATHER SOUNDING DATA.
6. HYPACK MAX SOFTWARE USED FOR NAVIGATION AND POST PROCESSING.
7. THE INFORMATION DEPICTED PRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY HYDROGRAPHIC SURVEYS ON MAY 1, 2007 (FILE NAME No Images_TRIT-2222-TILCON-SHT1.dwg) AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME.
8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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FIGURE 3G

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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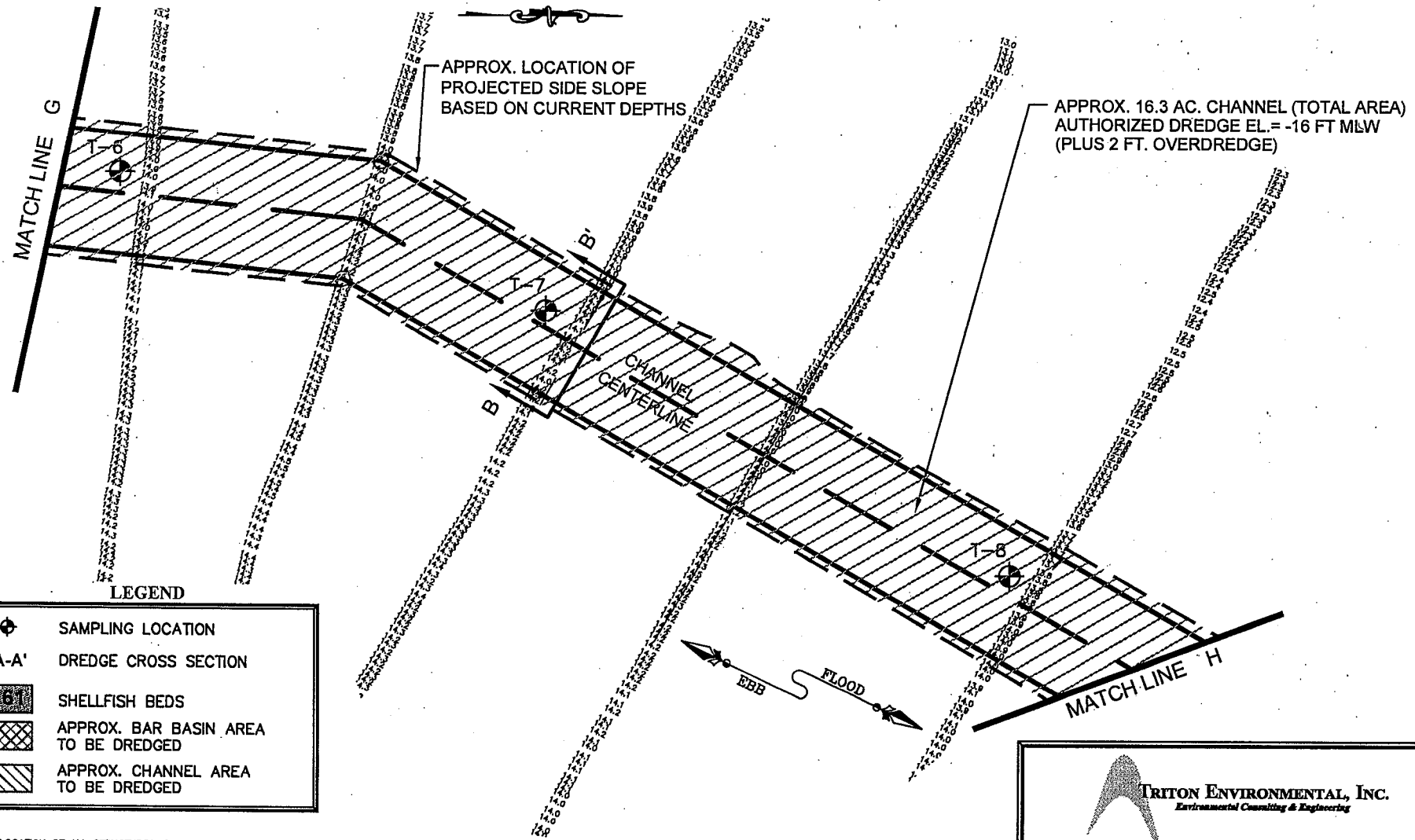
Layout:11x8 100 G



LEGEND

⊕	SAMPLING LOCATION
A-A'	DREDGE CROSS SECTION
161	SHELLFISH BEDS
	APPROX. BAR BASIN AREA TO BE DREDGED
	APPROX. CHANNEL AREA TO BE DREDGED

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
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8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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FIGURE 3H

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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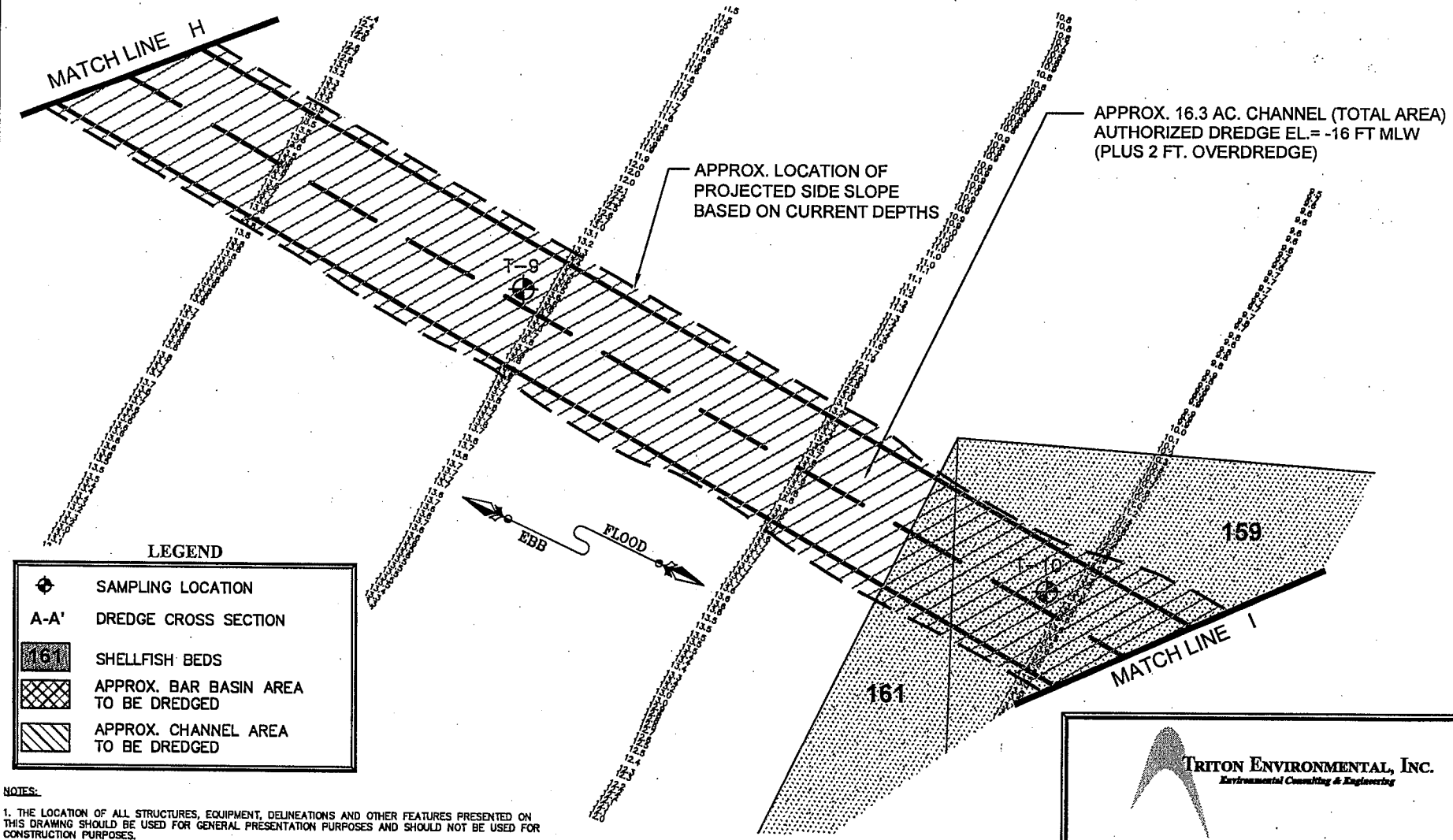
Layout:11x8 100 H



LEGEND

- SAMPLING LOCATION
- A-A' DREDGE CROSS SECTION
- 161 SHELLFISH BEDS
- APPROX. BAR BASIN AREA TO BE DREDGED
- APPROX. CHANNEL AREA TO BE DREDGED

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
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8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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FIGURE 3I

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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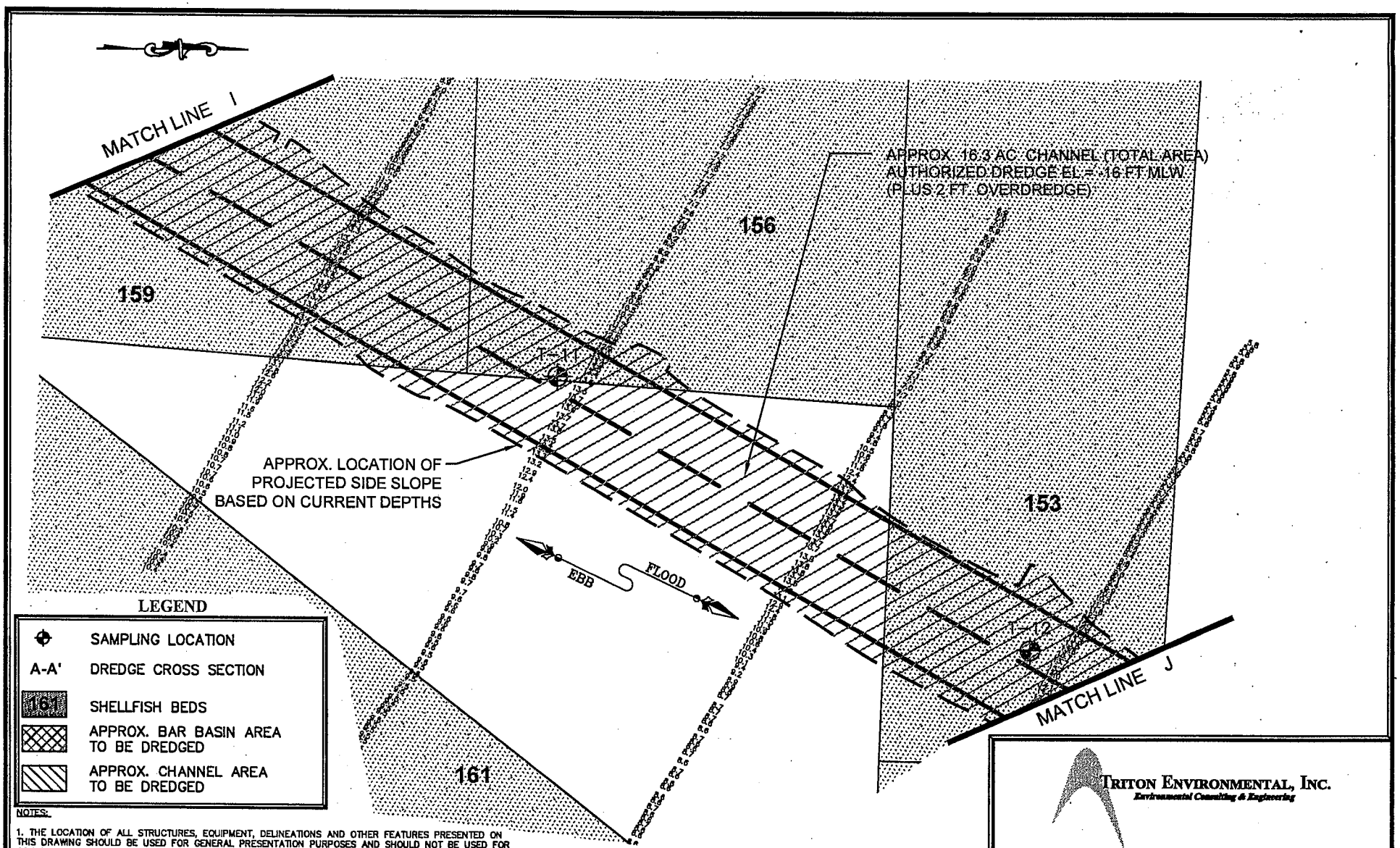
Layout: 11x8 100 I



NOTES:

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8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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FIGURE 3J

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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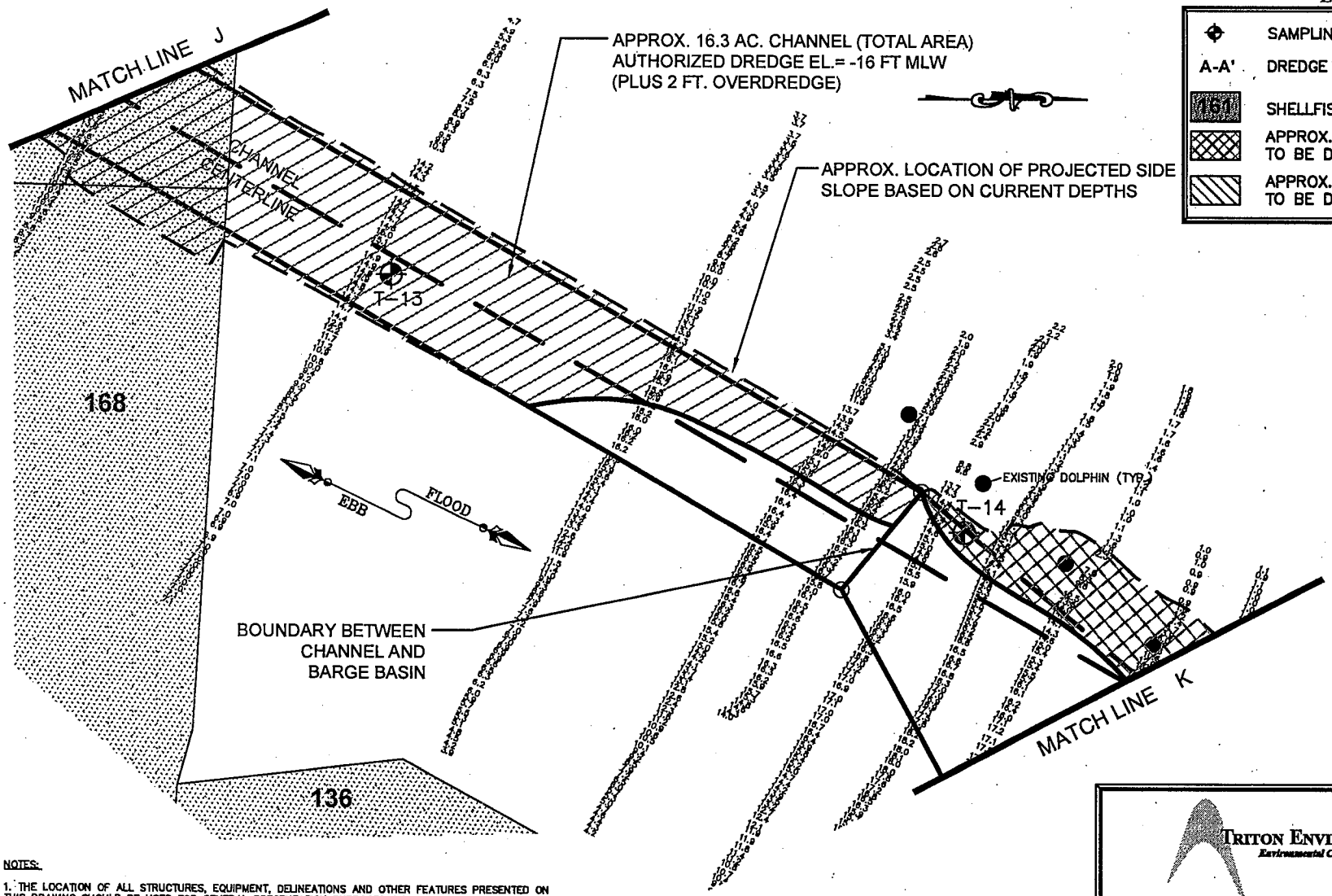
Layout: 11x8 100 J



LEGEND

- SAMPLING LOCATION
- A-A' DREDGE CROSS SECTION
- 160 SHELLFISH BEDS
- APPROX. BAR BASIN AREA TO BE DREDGED
- APPROX. CHANNEL AREA TO BE DREDGED

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
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8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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FIGURE 3K

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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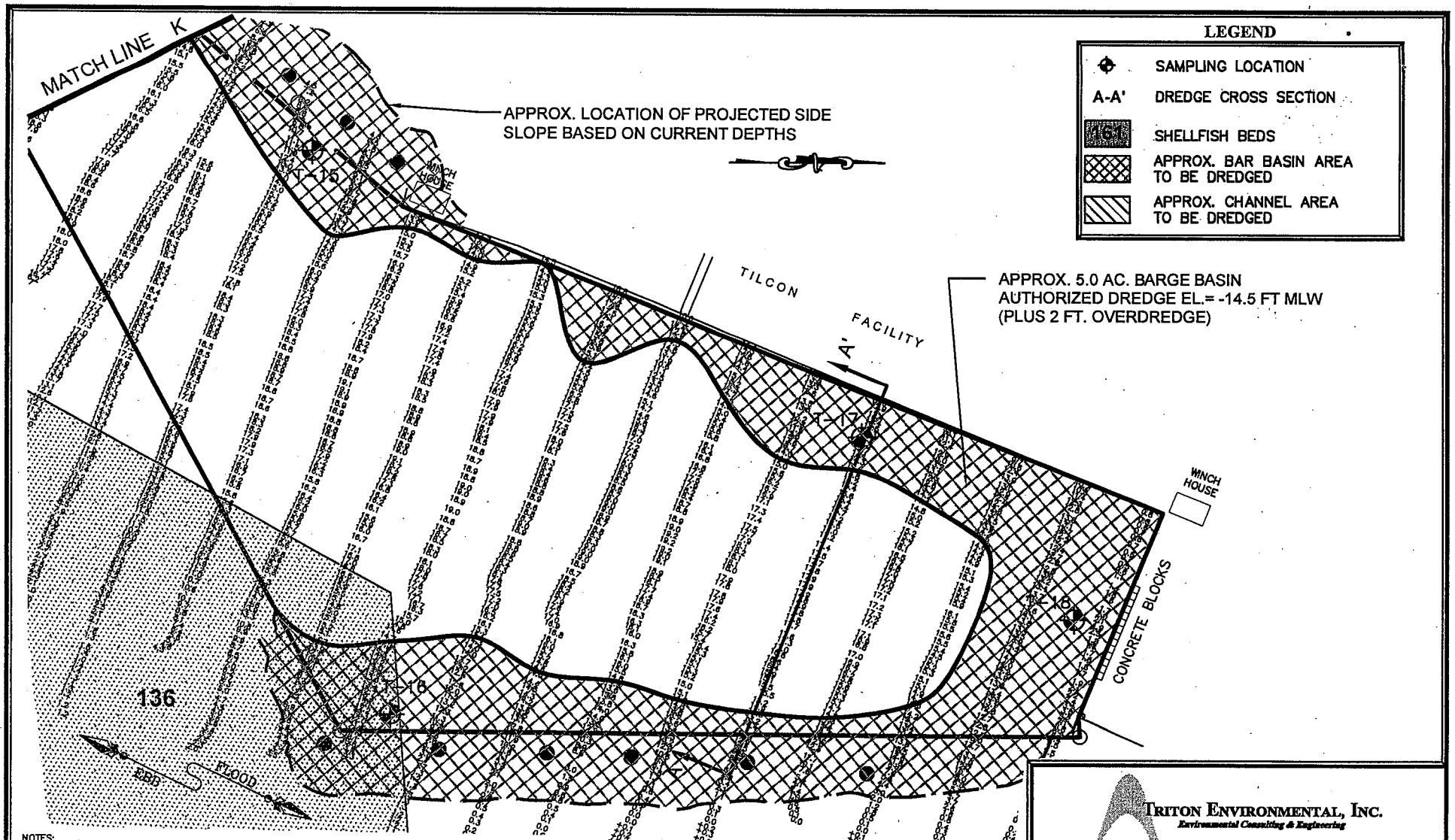

NOTES:

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3. ALL SOUNDINGS ARE NEGATIVE UNLESS SHOWN WITH A PLUS (+).

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8. SHELLFISH BED LOCATIONS PROVIDED BY THE TOWN OF BRANFORD SHELLFISH BED RECORDS.

APPROXIMATE SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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FIGURE 3L

PROPOSED AND EXISTING CONDITIONS

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM	APPROVED BY: WCH
DATE: 9/8/09	SCALE: 1"= 100' FILE No.: 102985SV04

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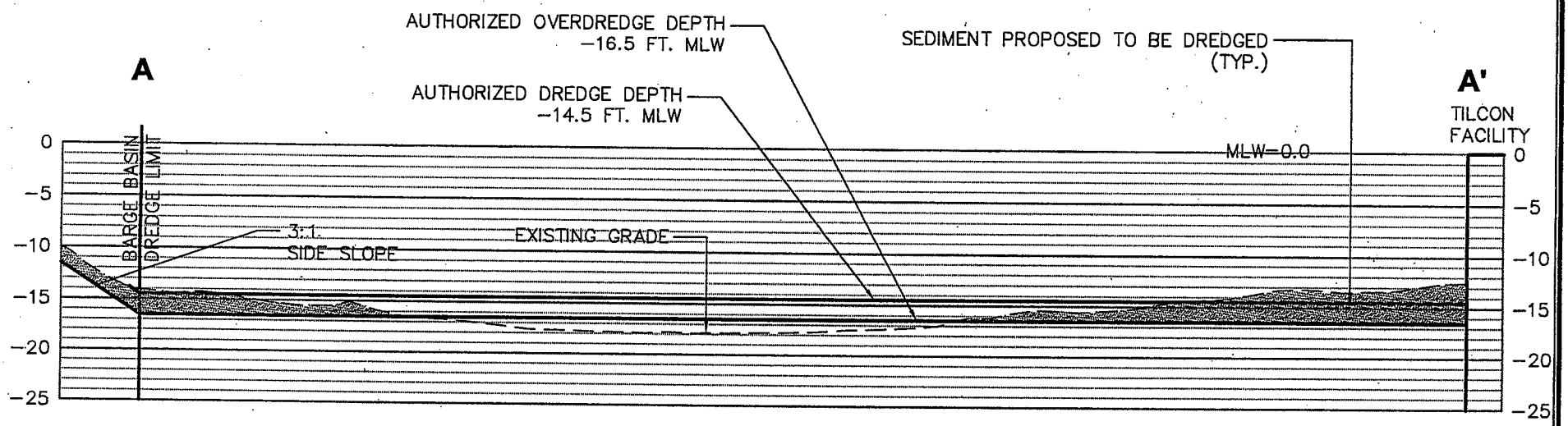

SECTION A-A

SCALE:
1"=30' HORIZONATAL
1"15' VERTICAL

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
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FIGURE 4

SECTION A-A'

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM		APPROVED BY: WCH
DATE: 5/6/09	SCALE: 1"= 1000'	FILE No.: 102985SV03

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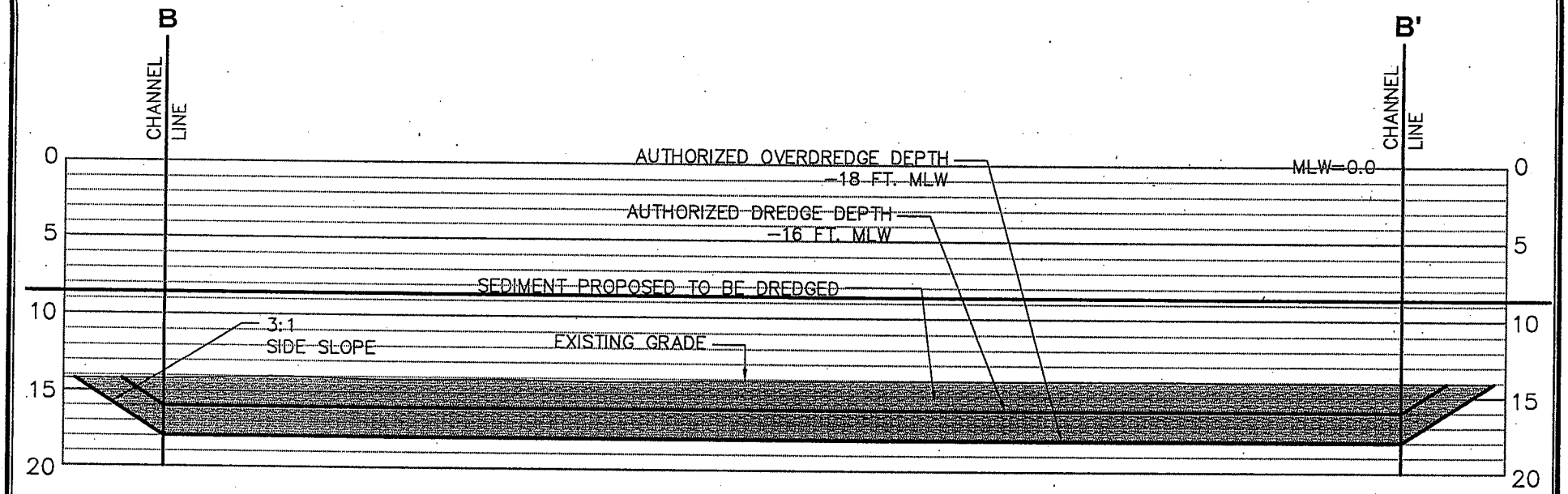
Layout: SECTION A-A



SECTION B-B

SCALE: 1"=10'

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
2. ALL SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MEAN LOW WATER IS 0.23 FT. HIGHER)
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FIGURE 5

SECTION B--B'

CERTIFICATE OF PERMISSION APPLICATION

TILCON CONNECTICUT INC.
190 TOTOKET ROAD
BRANFORD, CONNECTICUT

DRAWN BY: RGM		APPROVED BY: WCH
DATE: 5/6/09	SCALE: 1"= 1000'	FILE No.: 102985SV03

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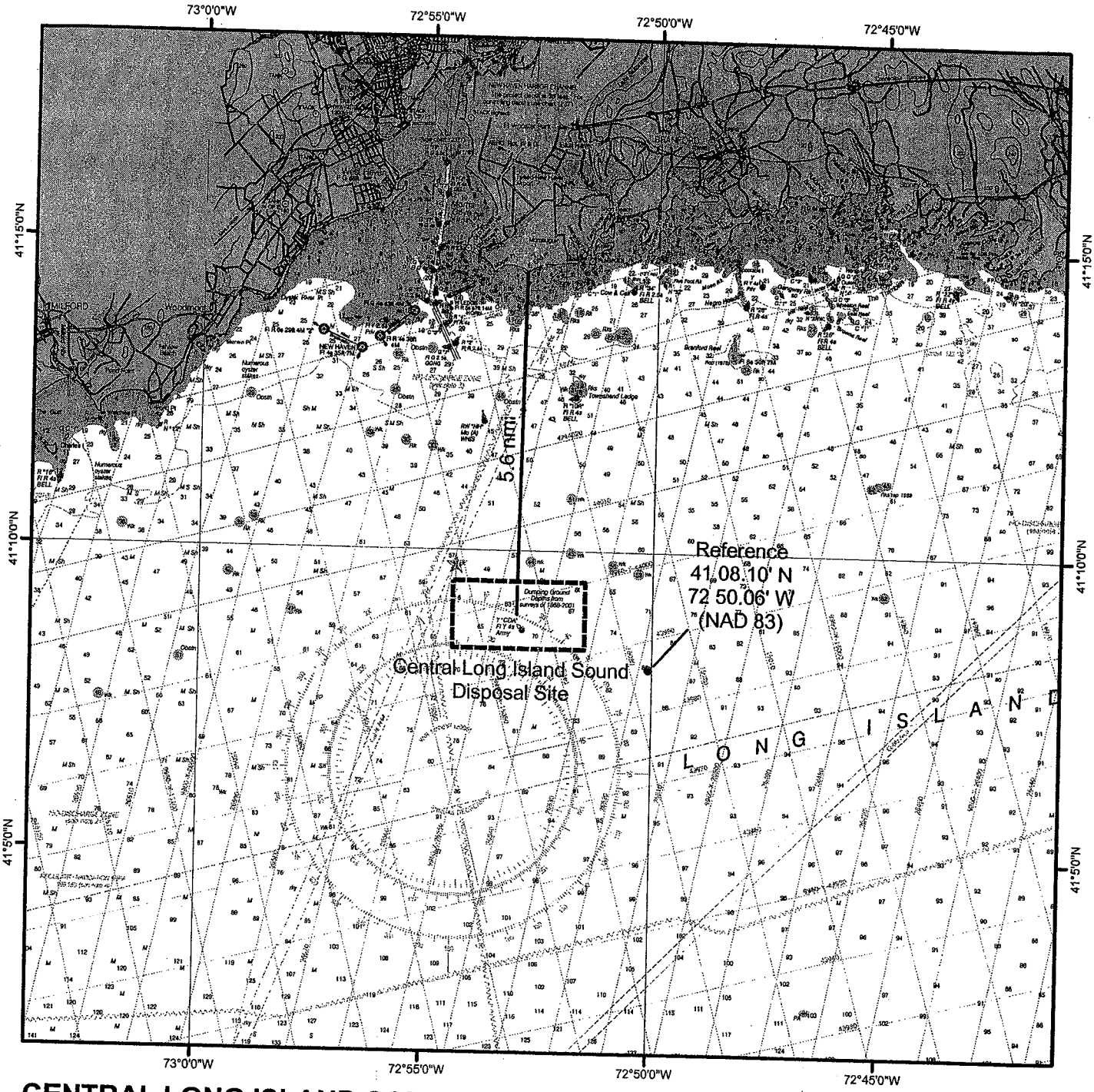
Layout: SECTION B--B



CENTRAL LONG ISLAND SOUND DISPOSAL SITE

Description: The Central Long Island Sound Disposal Site (CLDS) is one of four regional dredged material disposal sites located in the waters of Long Island Sound. CLDS covers a 11.04 km² (3.2 nmi²) area and is centered at 41° 08.950' N, 72° 52.950' W (NAD 83). It is located approximately 10.89 km (5.6 nmi) south of South End Point, East Haven, Connecticut. Since 1977, the management strategy at CLDS has entailed the controlled placement of small to moderate volumes of sediment to form individual disposal mounds on the seafloor. The authorized disposal point (within the overall disposal area) is specified for each dredging project in other project documents.

D A M O S

DISPOSAL AREA MONITORING SYSTEM

SCALE 1:175,000

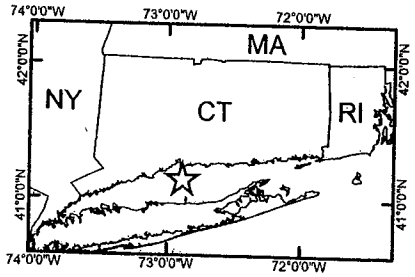
Kilometers

1 0 1 2 3 4 5 6 7

1 0 1 2 3

Nautical Miles

NOTE: This chart is not intended for use in navigation.



Summary of Essential Fish Habitat (EFH) Designation

10◆ x 10◆ Square Coordinates: Dredge Site

Boundary	North	East	South	West
Coordinate	41° 20.0 N	72° 40.0 W	41° 10.0 N	72° 50.0 W

Square Description (i.e. habitat, landmarks, coastline markers): The waters within Long Island Sound within the square affecting south of the following: South Branford, CT., Stony Creek, CT., and Guilford, CT., from just east of Guilford Pt. in Guilford Harbor to just east of Johnson Pt. south of Stratford, CT., Also affected are the following Jeffrey Pt. on Indian Neck, Baycourt Pt., Brown Pt. and Pleasant Pt., Flying Pt., Hoadley Pt., Joshua Pt., Sachem Head, Mulberry Pt., Indian Cove, Joshua Cove, and the Branford River. These waters also affect the following: The Thimbles and other small islands and reefs within Long Island Sound, including Branford Reef, Five Foot Rock, Taunton Rock, Blyn Rock, Moon Rock, Negro Heads, Spectacle I., Sumac I., Hooker Rock, NW Reef, East Reef, Wheaton Reef, Browns Reef, Gangway Rock, Horse I., Outer I., High I., Pot I., Money I., Rogers I., Bear I., Island Bay, Leeters Rocks, Governor I., Inner Reef, Goose I., Goose Rocks, and Indian Reef.

Species	Eggs	Larvae	Juveniles	Adults
Atlantic salmon *(Salmo salar)*			X	X
pollock *(Pollachius virens)*			X	X
whiting *(Merluccius bilinearis)*				X
red hake *(Urophycis chuss)*	X	X	X	X
winter flounder *(Pleuronectes americanus)*	X	X	X	X
windowpane flounder *(Scopthalmus aquosus)*	X	X	X	X
Atlantic sea herring *(Clupea harengus)*			X	X
bluefish *(Pomatomus saltatrix)*			X	X
Atlantic mackerel *(Scomber scombrus)*	X	X	X	X
summer flounder *(Paralicthys dentatus)*			X	
scup *(Stenotomus chrysops)*	X	X	X	X
black sea bass *(Centropristus striata)*	n/a		X	
king mackerel *(Scomberomorus cavalla)*	X	X	X	X
Spanish mackerel *(Scomberomorus maculatus)*	X	X	X	X
cobia *(Rachycentron canadum)*	X	X	X	X
sand tiger shark *(Odontaspis taurus)*		X		

Summary of Essential Fish Habitat (EFH) Designation
10 x 10 Square Coordinates: Central Long Island Sound Disposal Site

Boundary	North	East	South	West
Coordinate	41° 10.0' N	72° 50.0' W	41° 00.0' N	73° 00.0' W

Square Description (i.e. habitat, landmarks, coastline markers): Atlantic Ocean waters within the square within Long Island Sound affecting the following: one square south of the waters within the square south of New Haven, CT. In this square there is a dumping ground on the northeast corner.

Species	Eggs	Larvae	Juveniles	Adults
Atlantic salmon *(Salmo salar)*			X	X
pollock *(Pollachius virens)*			X	X
whiting *(Merluccius bilinearis)*				X
red hake *(Urophycis chuss)*	X	X	X	X
winter flounder *(Pleuronectes americanus)*	X	X	X	X
windowpane flounder *(Scopthalmus aquosus)*	X	X	X	X
American plaice *(Hippoglossoides platessoides)*			X	X
Atlantic sea herring *(Clupea harengus)*			X	X
bluefish *(Pomatomus saltatrix)*			X	X
Atlantic mackerel *(Scomber scombrus)*	X	X	X	X
summer flounder *(Paralicthys dentatus)*			X	
scup *(Stenotomus chrysops)*	X	X	X	X
black sea bass *(Centropristus striata)*	n/a		X	
king mackerel *(Scomberomorus cavalla)*	X	X	X	X
Spanish mackerel *(Scomberomorus maculatus)*	X	X	X	X
cobia *(Rachycentron canadum)*	X	X	X	X
sand tiger shark *(Odontaspis taurus)*		X		