



PUBLIC NOTICE

US Army Corps
of Engineers®
New England District

696 Virginia Road
Concord, MA 01742-2751

15 DAY NOTICE

Date: June 29, 2004
Comment Period Ends: July 15, 2004
File Number: 200401391
In Reply Refer To: Ted Lento

The Massachusetts Highway Department, 10 Park Plaza, Room 4260, Boston, MA 02216 has requested a Corps of Engineers permit under Section 404 of the Clean Water Act to place fill material in a 2,127 square foot area below the high tide line and within 150 square feet of salt marsh in conjunction with the replacement of the Old Providence Road bridge over the Palmer River in Swansea, Massachusetts. The work is depicted on the attached plans entitled "PROPOSED OLD PROVIDENCE ROAD BRIDGE REPLACEMENT OVER THE PALMER RIVER IN SWANSEA, MASSACHUSETTS" dated 1/30/04 with revisions dated 5/20/04.

This project will impact approximately 2,277 square feet of Essential Fish Habitat (EFH) for 14 species as noted in the attached Table 1. The following species are expected to be within the Palmer River project area: winter flounder, smelt, American shad, river herring, white perch, and shellfish. The Palmer River has been identified as one of only three coastal rivers in Massachusetts, which supports a population of American Shad. Work within water that has a potential to create turbidity will be limited to specific seasons in order to minimize the impacts to spawning and migrating fish and shellfish. These activities will only take place between June 16 and September 1, or from October 31 to February 1. Based upon the proposed time of year restriction, 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 project purpose is to replace the structurally deficient bridge that is currently closed to traffic. This project is located on the USGS Providence quadrangle sheet at UTM zone 19 coordinates 310325E and 4627003N.

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 Ted Lento at (978) 318-8863, 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.

Crystal I. Gardner
Chief, Permits & Enforcement Branch
Regulatory Division

SEE NEXT PAGE FOR
DETAILS OF EVALUATION
FACTORS

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:

TABLE 1 Summary of Essential Fish Habitat (EFH) Designation

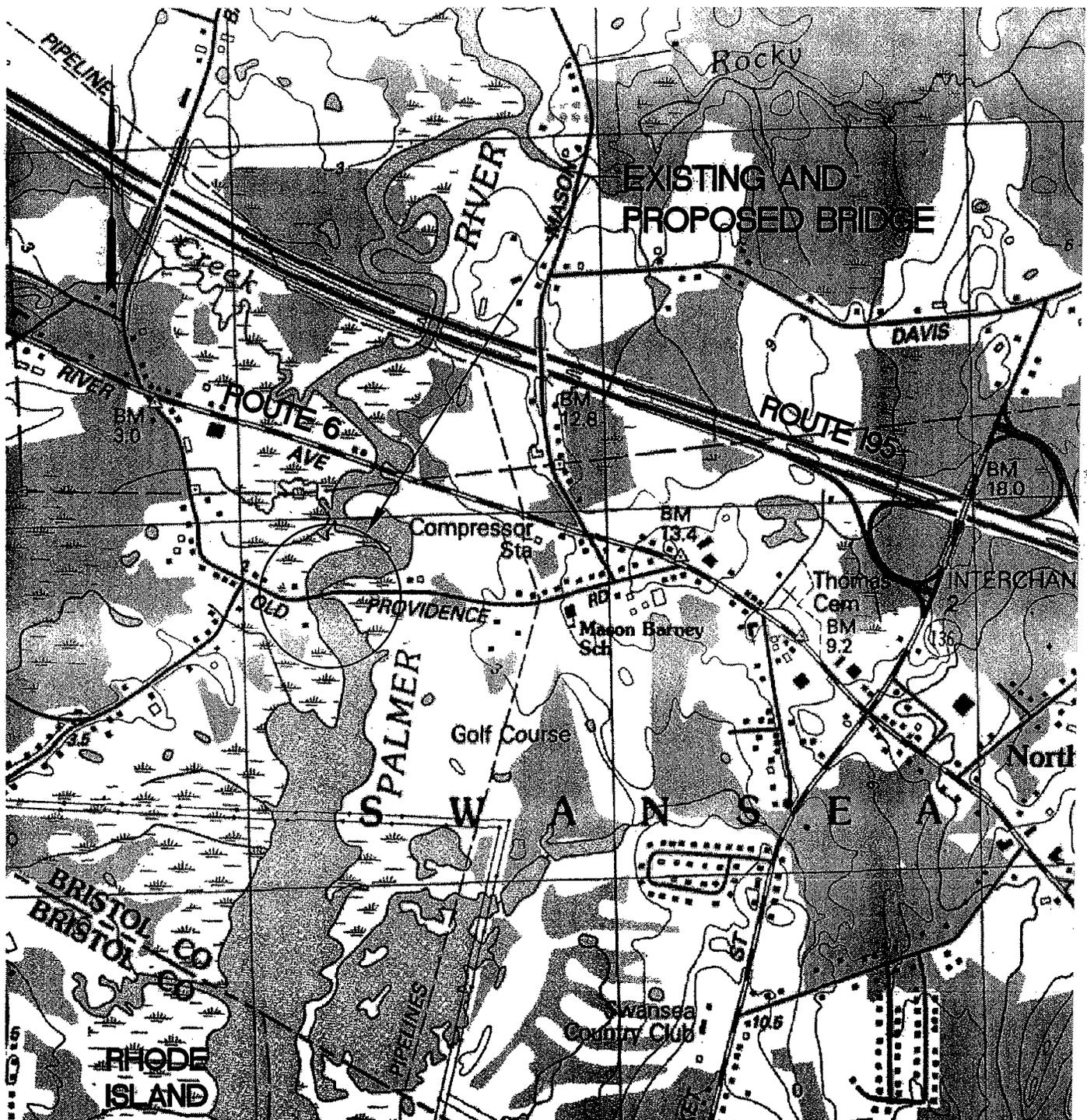
10' x 10' Square Coordinates:

Boundary	North	East	South	West
Coordinate	41° 50.0' N	71° 10.0' W	41° 40.0' N	71° 20.0' W

Square Description (i.e. habitat, landmarks, coastline markers): The waters within the square within the Narragansett Bay estuary affecting the following: Mt. Hope Bay, west of Fall River, MA., south of Barrington Beach and Barrington, RI., as well as the following: Belcher Cove, the Runnins River, Warren River, Palmer River, Barrington River, Bristol Harbor, Kickamuit River, Cedar Cove, Cole River, Chase Cove, the Bristol Narrows, Lee River, and the Hundred Acre Cove. These waters also affect the following: Mt. Hope, RI., Touisset, RI., Touisset Highlands, RI., Toweset Pt., Coggeshall, RI., Spar I., Rumstick Rock, Rumstick Shoal, Neck, and Pt., Tyler Pt., Warren, RI., and New Meadow Neck on The Palmer and Barrington Rivers, Adams Pt. on the Palmer River, Sewammock Neck, Borden, Flats, Old Bay Rock and Gardiners Neck south of Swansea, MA., and Ocean Grove, MA. Finally, these waters affecting eastern Bristol Neck, and Bristol, RI., except for the tip of Mt. Hope Pt., and except for Bristol Neck from Church Cove, south around Bristol Pt., back up to Bristol Harbor, as well as Popaquash Neck except for the part from Bristol Harbor, south past Usher Cove and around Popaquash Pt., up to half way up the west coast of Popaquash Neck. The northeast corner of this square is within the mixing water salinity zone for Narragansett Bay, at the entrance to the Taunton River.

Species	Eggs	Larvae	Juveniles	Adults
haddock (<i>Melanogrammus aeglefinus</i>)		X		
red hake (<i>Urophycis chuss</i>)		X	X	X
winter flounder (<i>Pleuronectes 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
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
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



SCALE: 1"=1000'

PROVIDENCE, RHODE ISLAND-MASSACHUSETTS
1987

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
MHW = (+)3.3'

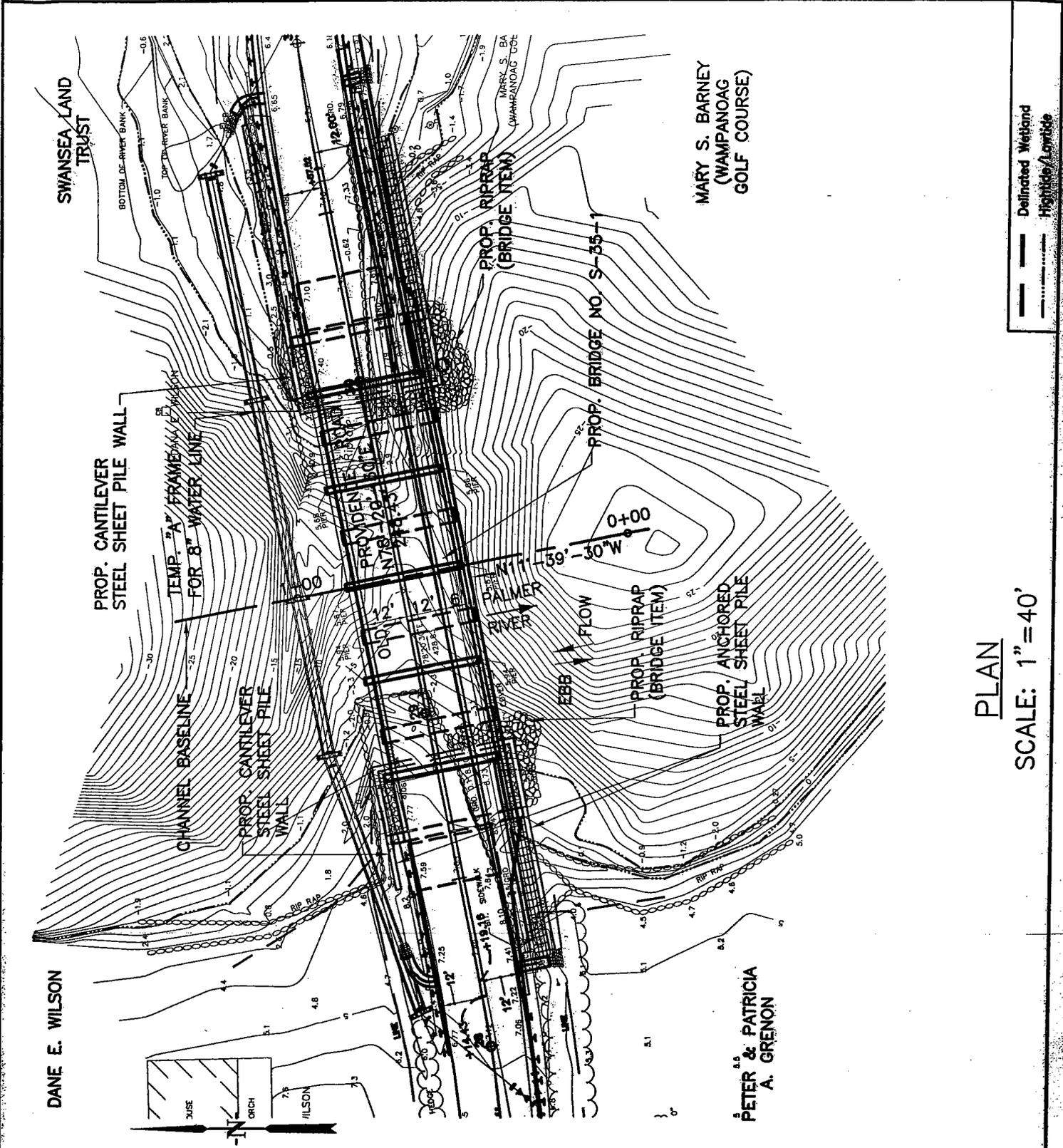
EARTH TECH
196 BAKER AVENUE
CONCORD, MA 01742

VICINITY MAP

APPLICATION BY:
MASSACHUSETTS HIGHWAY DEPARTMENT
10 PARK PLAZA
BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
BRIDGE REPLACEMENT OVER THE
PALMER RIVER IN SWANSEA,
MASSACHUSETTS

SHEET OF
DATE: 1/30/04



PLAN
SCALE: 1"=40'

— Delineated Wetland
- - - - - High tide/Low tide

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
MHW = (+)3.3'

EARTH TECH
196 BAKER AVENUE
CONCORD, MA 01742

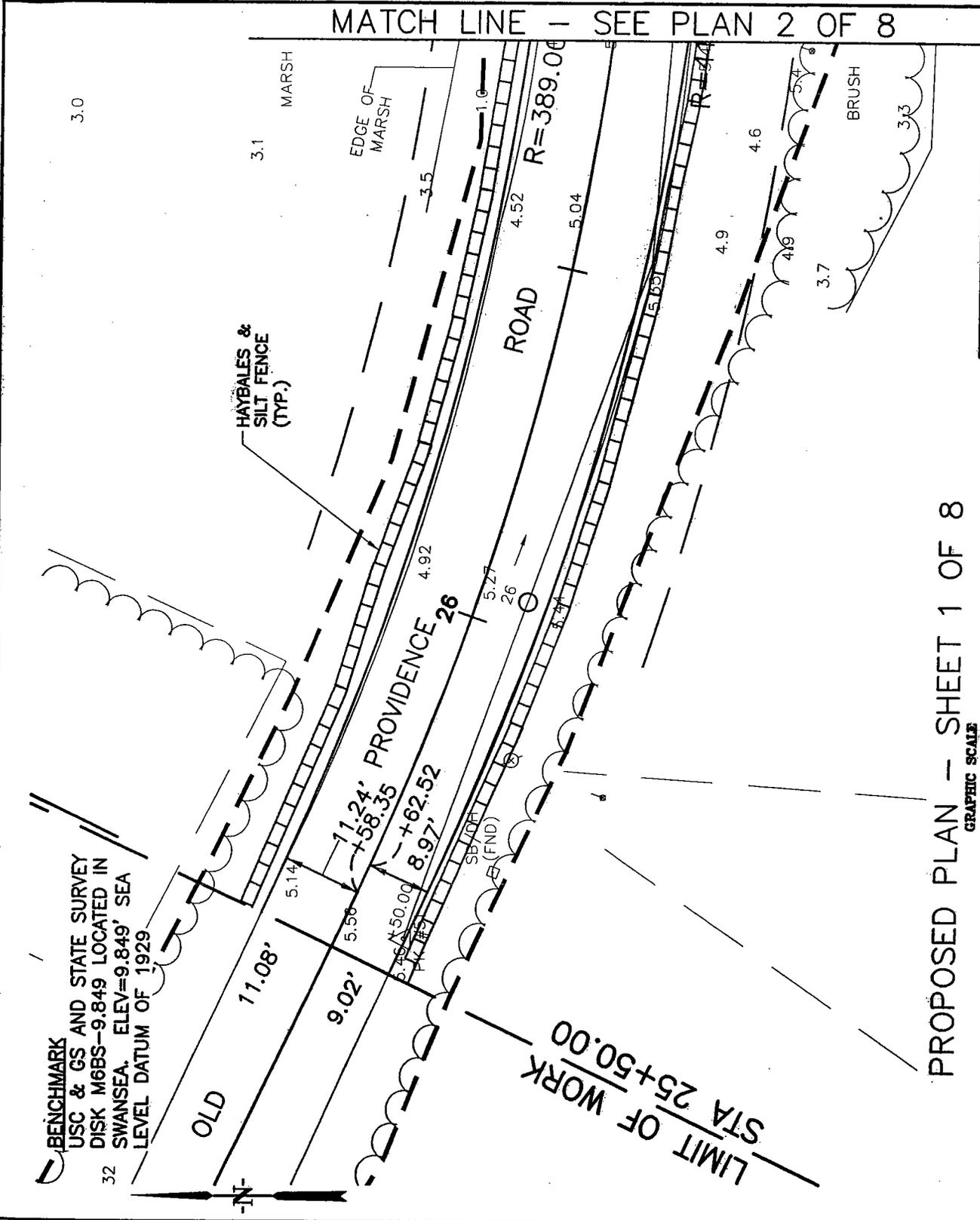
PLAN

APPLICATION BY:
MASSACHUSETTS HIGHWAY DEPARTMENT
10 PARK PLAZA
BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
BRIDGE REPLACEMENT OVER THE
PALMER RIVER IN SWANSEA,
MASSACHUSETTS

SHEET OF
DATE: 1/30/04

MATCH LINE - SEE PLAN 2 OF 8



Legend:

- Delineated Wetland
- High Tide/Low Tide
- Haybales/Silt Fence
- Impact to Land
- Under High Tide (2120 S.F.)
- Impact to Salt Marsh (150 S.F.)



LENGTH OF PROJECT=1175'
LENGTH OF BRIDGE=150'

PROPOSED PLAN - SHEET 1 OF 8

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
MHW = (+)3.3'

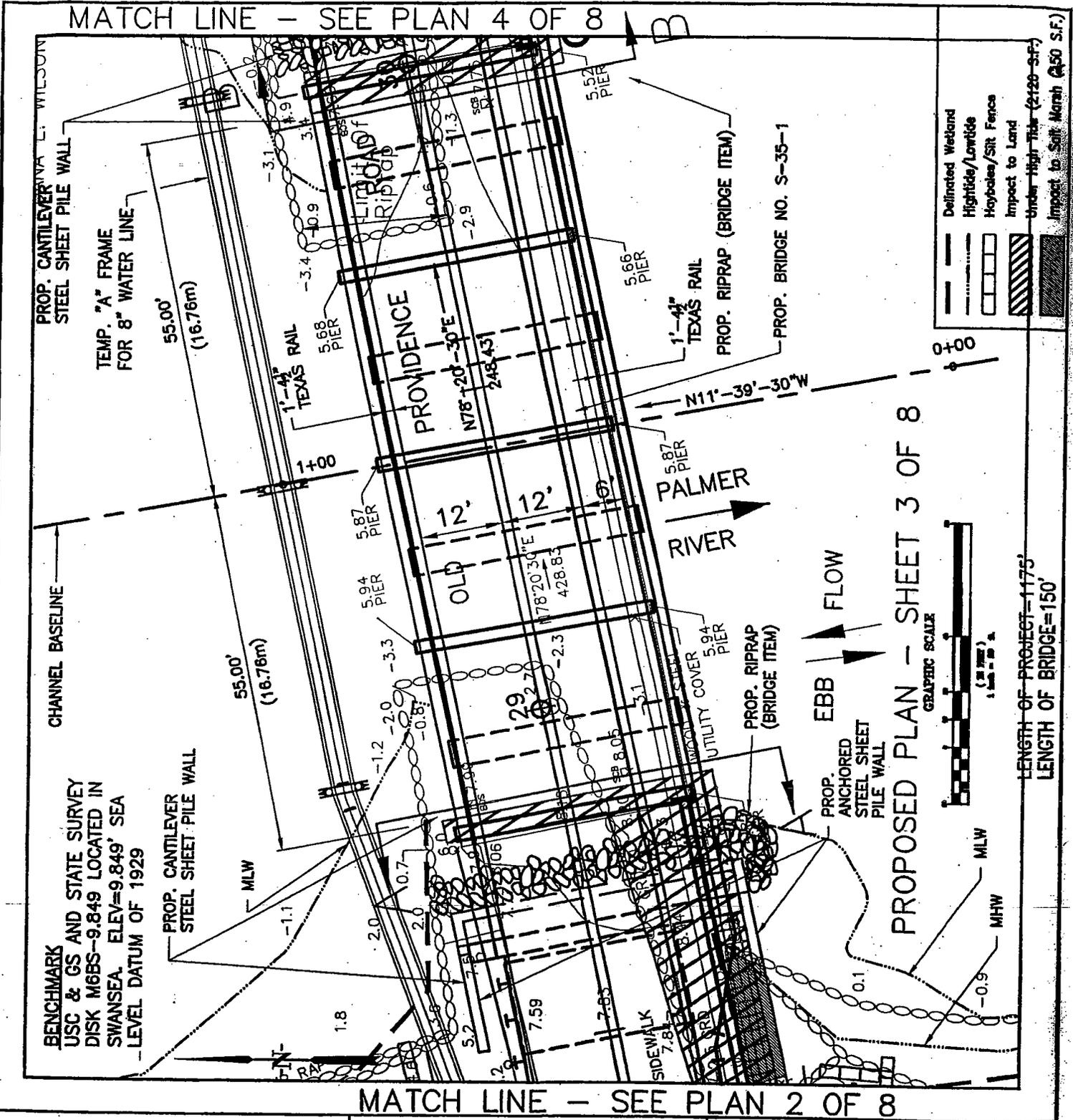
EARTH TECH
196 BAKER AVENUE
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PLAN

APPLICATION BY:
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10 PARK PLAZA
BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
BRIDGE REPLACEMENT OVER THE
PALMER RIVER IN SWANSEA,
MASSACHUSETTS

SHEET OF
DATE: 1/30/04



MATCH LINE - SEE PLAN 4 OF 8

MATCH LINE - SEE PLAN 2 OF 8

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PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
MHW = (+)3.3'

EARTH TECH
196 BAKER AVENUE
CONCORD, MA 01742

PLAN

APPLICATION BY:
MASSACHUSETTS HIGHWAY DEPARTMENT
10 PARK PLAZA
BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD BRIDGE REPLACEMENT OVER THE PALMER RIVER IN SWANSEA, MASSACHUSETTS

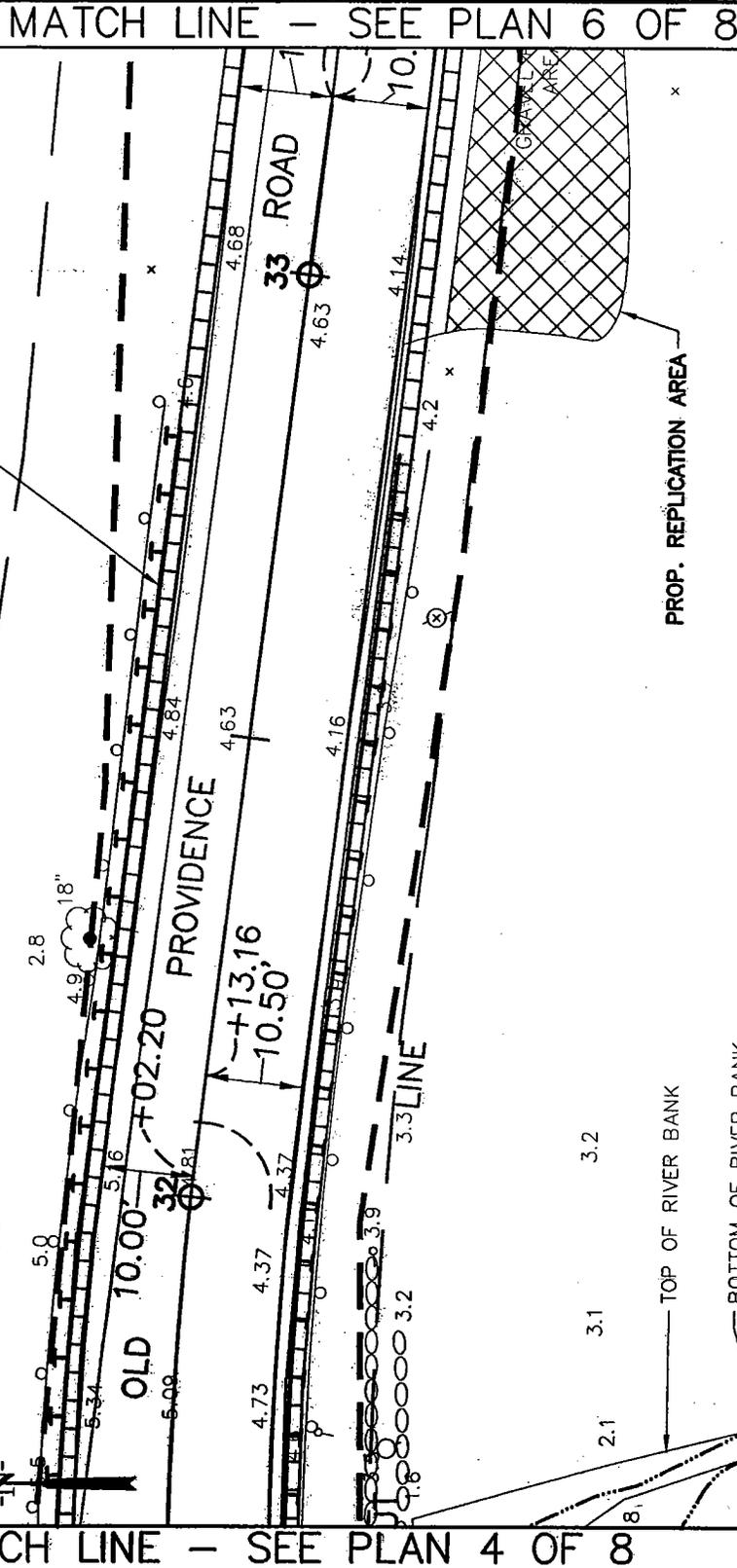
SHEET OF
DATE: 1/30/04 Rev. MAY 29/04

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BENCHMARK
 USC & GS. AND STATE SURVEY
 DISK M6BS-9.849 LOCATED
 IN SWANSEA. ELEV=9.849'
 SEA LEVEL DATUM OF 1929

SWANSEA LAND TRUST

LAYOUT LINE



MARY S. BARNEY
 (WAMPANOAG GOLF COURSE)

PROPOSED PLAN - SHEET 5 OF 8

GRAPHIC SCALE



LENGTH OF PROJECT=1175'
 LENGTH OF BRIDGE=150'

	Delineated Wetland
	Hightide/Lowtide
	Haybales/Silt Fence
	Impact to Land
	Under High Tide (2120 S.F.)
	Soft Mouth Replication Area

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
 MHW = (+)3.3'

EARTH TECH
 196 BAKER AVENUE
 CONCORD, MA 01742

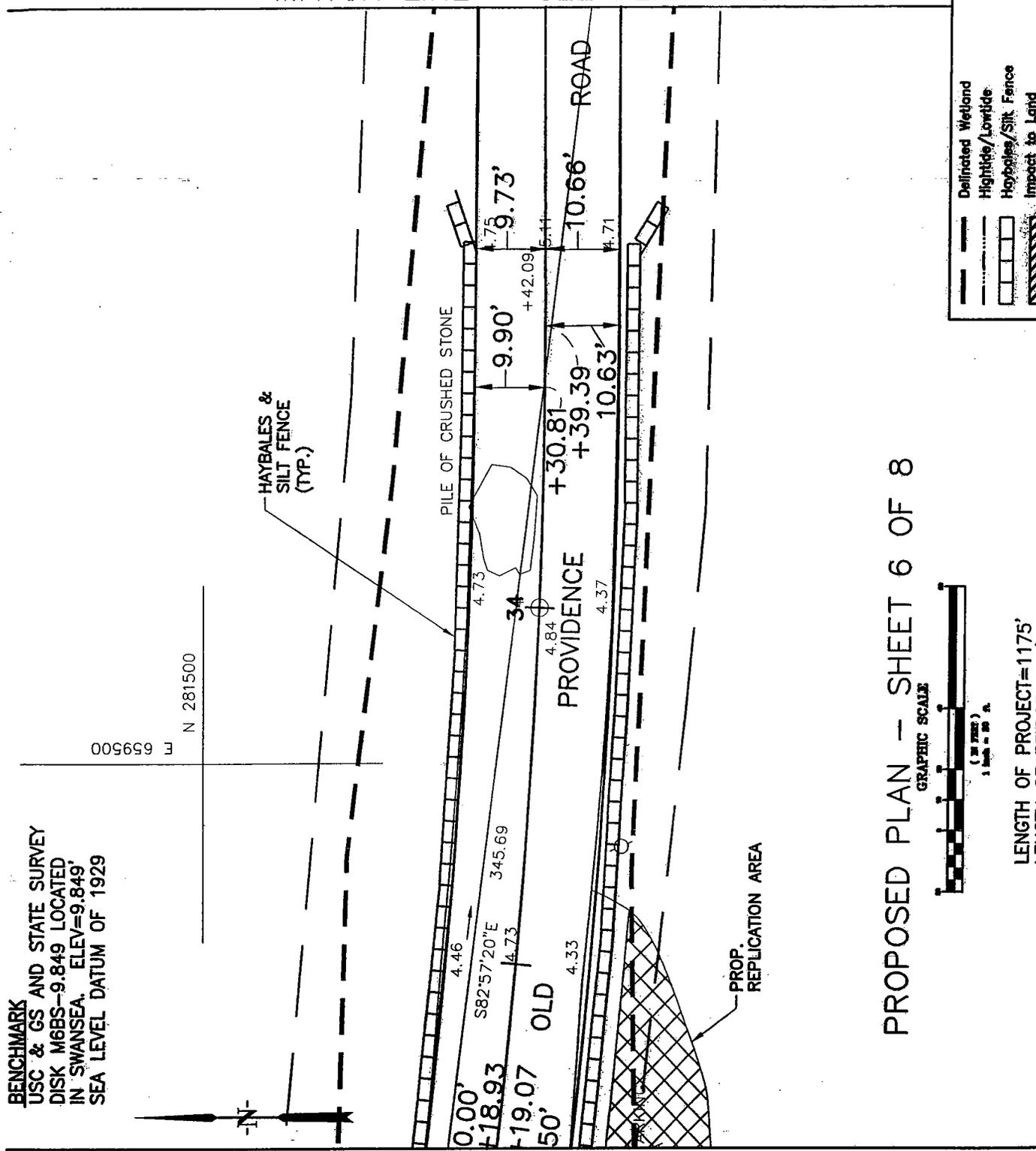
PLAN

APPLICATION BY:
 MASSACHUSETTS HIGHWAY DEPARTMENT
 10 PARK PLAZA
 BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
 BRIDGE REPLACEMENT OVER THE
 PALMER RIVER IN SWANSEA,
 MASSACHUSETTS

SHEET OF
 DATE: 1/30/04

MATCH LINE - SEE PLAN 7 OF 8



Legend:

- Delineated Wetland
- Hightide/Lowtide
- Haybales/Silt Fence
- Impact to Land
- Under High Tide (2120 S.F.)
- Salt Marsh Replication Area

PROPOSED PLAN - SHEET 6 OF 8



LENGTH OF PROJECT=1175'
LENGTH OF BRIDGE=150'

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BENCHMARK
USC & GS AND STATE SURVEY
DISK M6BS-9.849 LOCATED
IN SWANSEA. ELEV=9.849'
SEA LEVEL DATUM OF 1929

MATCH LINE - SEE PLAN 5 OF 8

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
MHW = (+)3.3'

EARTH TECH
196 BAKER AVENUE
CONCORD, MA 01742

PLAN

APPLICATION BY:
MASSACHUSETTS HIGHWAY DEPARTMENT
10 PARK PLAZA
BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
BRIDGE REPLACEMENT OVER THE
PALMER RIVER IN SWANSEA,
MASSACHUSETTS

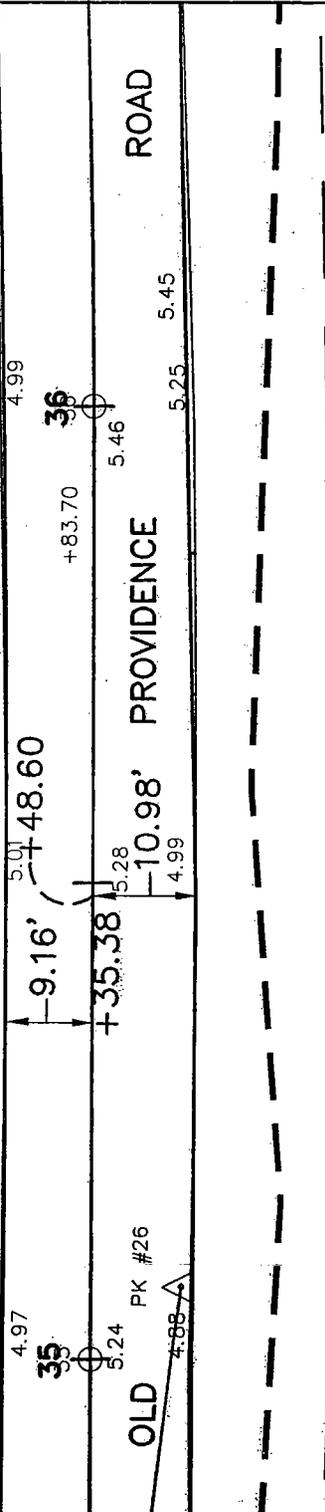
SHEET OF
DATE: 1/30/04

BENCHMARK
 USC & GS AND STATE SURVEY
 DISK M6BS-9.849 LOCATED
 IN SWANSEA. ELEV=9.849'
 SEA LEVEL DATUM OF 1929



MATCH LINE - SEE PLAN 8 OF 8

MATCH LINE - SEE PLAN 6 OF 8



	Delineated Wetland
	Hightide/Lowtide
	Hoypoles/Silt Fence
	Impact to Land
	Under High Tide (2120 S.F.)
	Impact to Salt Marsh (150 S.F.)

PROPOSED PLAN - SHEET 7 OF 8



LENGTH OF PROJECT=1175'
 LENGTH OF BRIDGE=150'

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
 MHW = (+)3.3'

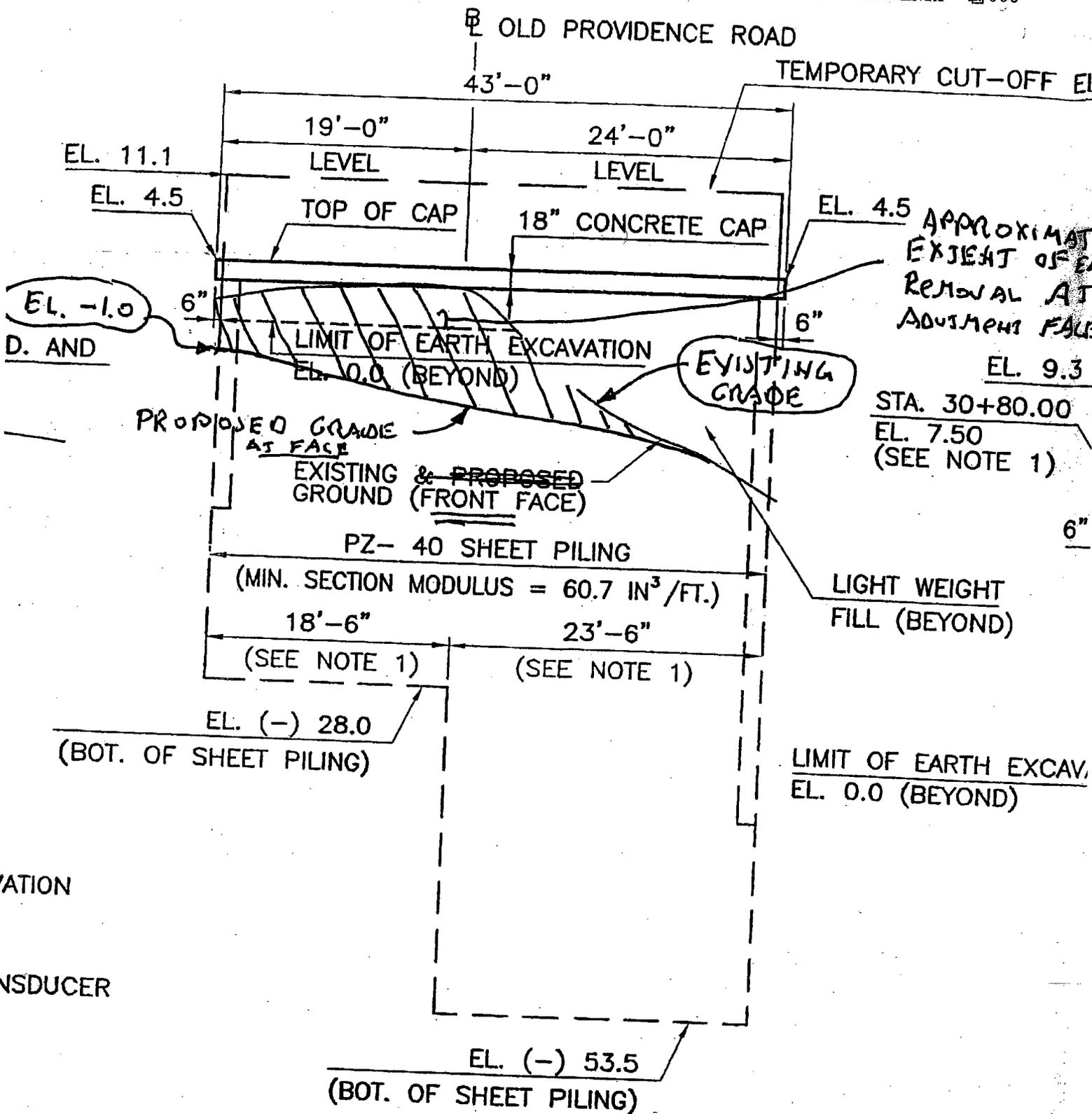
EARTH TECH
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PLAN

APPLICATION BY:
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 10 PARK PLAZA
 BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
 BRIDGE REPLACEMENT OVER THE
 PALMER RIVER IN SWANSEA,
 MASSACHUSETTS

SHEET OF
 DATE: 1/30/04



ELEVATION—EAST ABUTMENT SHEETING

SCALE: 1" = 10'-0"

Revised 04

1 1/2" RISER PIPE IN 6' THREADED

PM STA = 28+50
PM ELEV = 8.00
A.D. = 0.08
K = 1096.77

100.00' VC

BVCS: 28+00
BYCE: 7.12

BVCS: 29+00
BYCE: 8.93

PROP GRADE AT SHEET PILE WALL WITH RIPRAP.
RIPRAP ELEV VARIES, (SEE BELOW)

PROP SHEET PILE WALL

EXIST CENTERLINE
PROP CENTERLINE

BASE = MINUS 20

EXIST GROUND 12' LEFT

PROP RIPRAP 10' WIDE ELEV
VARIES FROM (-)3.18' RIGHT
OF R TO 4.5' 12' LEFT OF R

7.1

7.8
8.01

0.0
8.93

28+00

29+00

EXIST GROUND 12' LEFT

5.8

7.7

0.4

EXIST GROUND 18' RIGHT

7.0

1.5

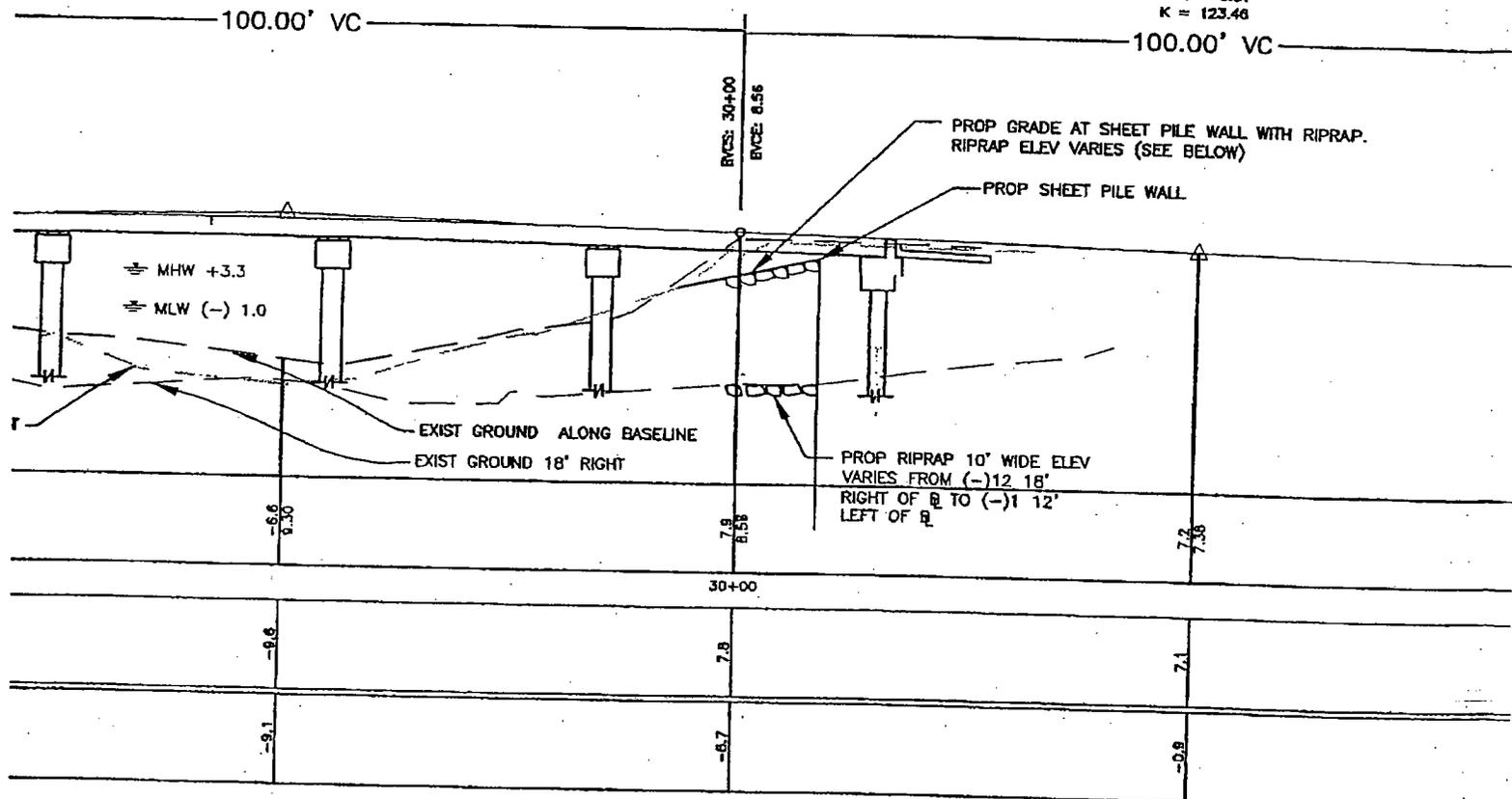
-4.3



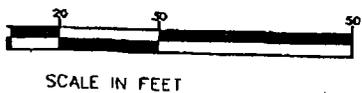
REV 5/20/04

HIGH POINT ELEV = 9.31
 HIGH POINT STA = 28+41.86
 PVI STA = 28+50
 PVI ELEV = 9.85
 A.D. = -4.42
 K = 22.62

PVI STA = 30+50
 PVI ELEV = 7.28
 A.D. = 0.81
 K = 123.46



FOR ADDITIONAL CLARITY OF PROF GRADING AT
FACE OF SHEET PILE WALL SEE ATTACHED
SKETCHES

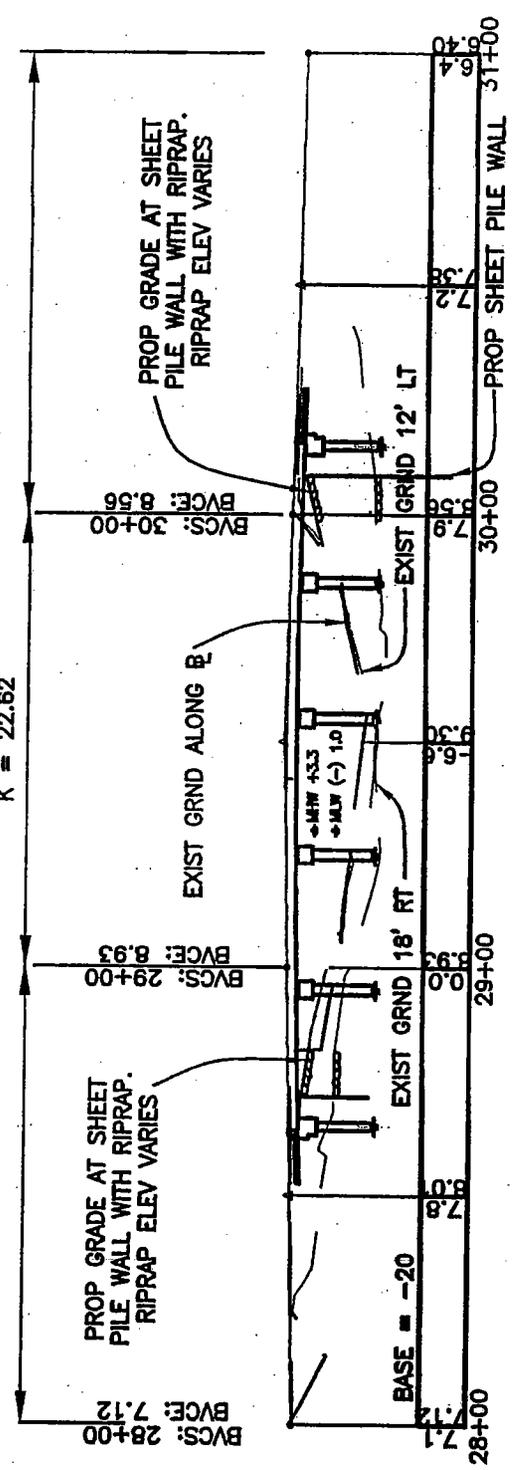


Rev 5/20/04

PVI STA = 30+50
 PVI ELEV = 7.28
 A.D. = 0.81
 K = 123.46

HIGH POINT ELEV = 9.31
 HIGH POINT STA = 29+41.86
 PVI STA = 29+50
 PVI ELEV = 9.85
 A.D. = -4.42
 K = 22.62

PVI STA = 28+50
 PVI ELEV = 8.00
 A.D. = 0.09
 K = 1096.77



GRAPHIC SCALE



(IN FEET)
 1 inch = 40 ft
 (Verify Scale)

PURPOSE: BRIDGE REPLACEMENT

DATUM: MLW = (-)1.0'
 MHW = (+)3.3'

EARTH TECH
 196 BAKER AVENUE
 CONCORD, MA 01742

PROFILE

APPLICATION BY:
 MASSACHUSETTS HIGHWAY DEPARTMENT
 BOSTON, MA 02116

PROPOSED OLD PROVIDENCE ROAD
 BRIDGE REPLACEMENT OVER THE
 PALMER RIVER IN SWANSEA,
 MASSACHUSETTS

SHEET OF
 DATE: 5/20/04 Rev 5/20/04