

CONDITION: Protective Coast

FLOOD LINE ELEVATIONS: Data, per Section 4.4, Tisbury Flood/Storm Program, Rules and Regulations, dated 11/17/87:

- 10-year stillwater flood elevation = 4.1'
- 50-year stillwater flood elevation = 7.0'
- 100-year stillwater flood elevation = 8.3'

WAVE HEIGHT CALCULATIONS per the Field Manual for Estimating Wave Heights in Coastal High Hazard Emergency Atlantic and Gulf Coast Regions, Federal Administration, March 1981:

OPEN COAST

1. Base Flood Elevation = 8.5'
2. Baseline Wave Height = $5.5' \times 0.78 = 4.3'$

MAN-MADE LINEAR OBSTRUCTION - BREAKWATER

1. Base Flood Elevation = 8.5'
2. Elevation of Obstruction = 9.0'
- (a) If Line 2 is less than Line 2
- 3a. Line 2a = 8.5'
- 3b. Line 2b = 8.5'
4. Transmission Coefficient = .54
- 5a. Leaving Wave Height (Line 1 x 7a) = 4.2'
- 5b. Leaving Wave Height (Line 2 x Line 5) = 4.2'

DATA FORM FOR FETCH ON PROTECTED COAST

1. Arriving Wave Height = 8.6'
2. Base Flood Elevation = 8.5'
3. Elevation of Obstruction = 9.0'
4. Line 2 - Line 3 = 0.5'
5. Line 4 x 0.78 = 2.4'
6. Line 5 - Line 4 = 0.2'
- 7a. Transmission Coefficient = .54
- 7b. Leaving Wave Height (Line 1 x 7a) = 4.2'
- 7c. Leaving Wave Height (Line 2 x Line 5) = 4.2'

OBSTRUCTION NO. 1 - NATURAL LINERS

1. Arriving Wave Height = 4.2'
2. Base Flood Elevation = 8.5'
3. Elevation of Obstruction = 5.4'
4. Line 2 - Line 3 = 3.1'
5. Line 4 x 0.78 = 2.4'
6. Line 5 - Line 4 = 0.2'
7. Transmission Coefficient (From Table) = .10
8. Line 2 x Line 5 = 0.2'
9. Line 9 x 0.78 = 3.0'
10. Line 9 x 0.78 = 3.0'
11. Leaving Wave Height (smaller of Lines 8 and 10) = 0.2'

OBSTRUCTION NO. 2 - BUILDINGS

1. Arriving Wave Height = 2.4'
2. Open Space Per Row = 35.2'
3. Number of Rows = 2
4. Elevation on 100' Leeward Edge = 4.7'
5. Elevation on 500' Leeward Edge = 4.7'
6. Transmission Coefficient (From Table) = .10
7. Line 2 x Line 5 = 0.2'
8. Line 9 x 0.78 = 3.0'
9. Line 9 x 0.78 = 3.0'
10. Leaving Wave Height (smaller of Lines 8 and 10) = 0.2'

PLAN A
Scale: 1" = 1000'

PLAN
Scale: 1" = 20'

LOCUS MAP
Scale: 1" = 24,000'

TRANSECT SCHEMATIC
Scale: Horiz. 1" = 20', Vert. 1" = 2'

NOTES

1. This plan and survey is subject to any right-of-way or other easements granted or reserved by instruments of record or as now existing on the ground.
2. The plan shall contain a five (5) foot wide easement for utility easement as per Section 87.07.02, Tisbury Zoning By-Laws.
3. The location of underground existing specific facilities are unobtainable without field excavation.

LEGEND

X-X = Spot Elevation
 N-L-H-V = Assessor's Parcel No.
 --- O --- = Overhead Utility Line
 --- U --- = Approximate Water Service Line

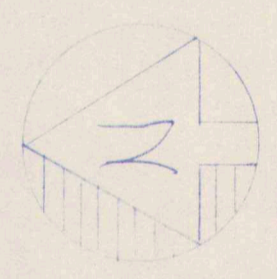
TISBURY PLANNING BOARD ACCEPTANCE
 Date: 9-9-87
 Acceptance does not indicate approval or disapproval of conditions or proposals.
 Ernest J. Boch
 Dean R. Swift
 Vincent Costa

COASTAL ELEVATION AND DATA PLAN
 prepared for
ERNEST J BOCH
 August 18, 1987
 Dean R. Swift
 Vineyard Haven, Mass.

Assessor Parcel 9-C-3
 Revisions: 1. 8/21/87 - Note 2 added, water line added
 2. 11/17/87 - Individual parking spaces removed, coastal dune cut back, line added

3492A
 MJS

Fence proposal not DEE C2



LEGEND

- P - DENOTES APPROXIMATE PROPERTY LINE
- X - DENOTES PROPOSED FENCE
- 4x1 - DENOTES EXISTING SPIT GRAVE

VINEYARD HAVEN HARBOR

HISTORIC MEAN HIGH WATER

OBSERVED HIGH WATER (9-2-91)

EXISTING WOOD FRAME BUILDING

EDGE OF COASTAL DUNE FROM SITE PLAN PREPARED BY: DEAN R. SWIFT DATED: 11-16-87

PROPOSED 6' HIGH CHAIN LINK FENCE

PROPOSED 6' HIGH CHAIN LINK FENCE

EXISTING BUILDING

PROPOSED 6' HIGH CHAIN LINK FENCE

EXISTING BUILDING

EXISTING BUILDING

BEACH ROAD

PROPOSED GATE

PLAN

(SCALE: 1" = 20')



SITE PLAN FOR A PROPOSED FENCE

ASSESSORS PARCEL 9-C-3
 BEACH ROAD, TISBURY, MASSACHUSETTS
 PREPARED FOR: ERNEST J. BOCH
 DATE: AUGUST 12, 1991
 REVISED: AUGUST 16, 1991
 SEPTEMBER 6, 1991

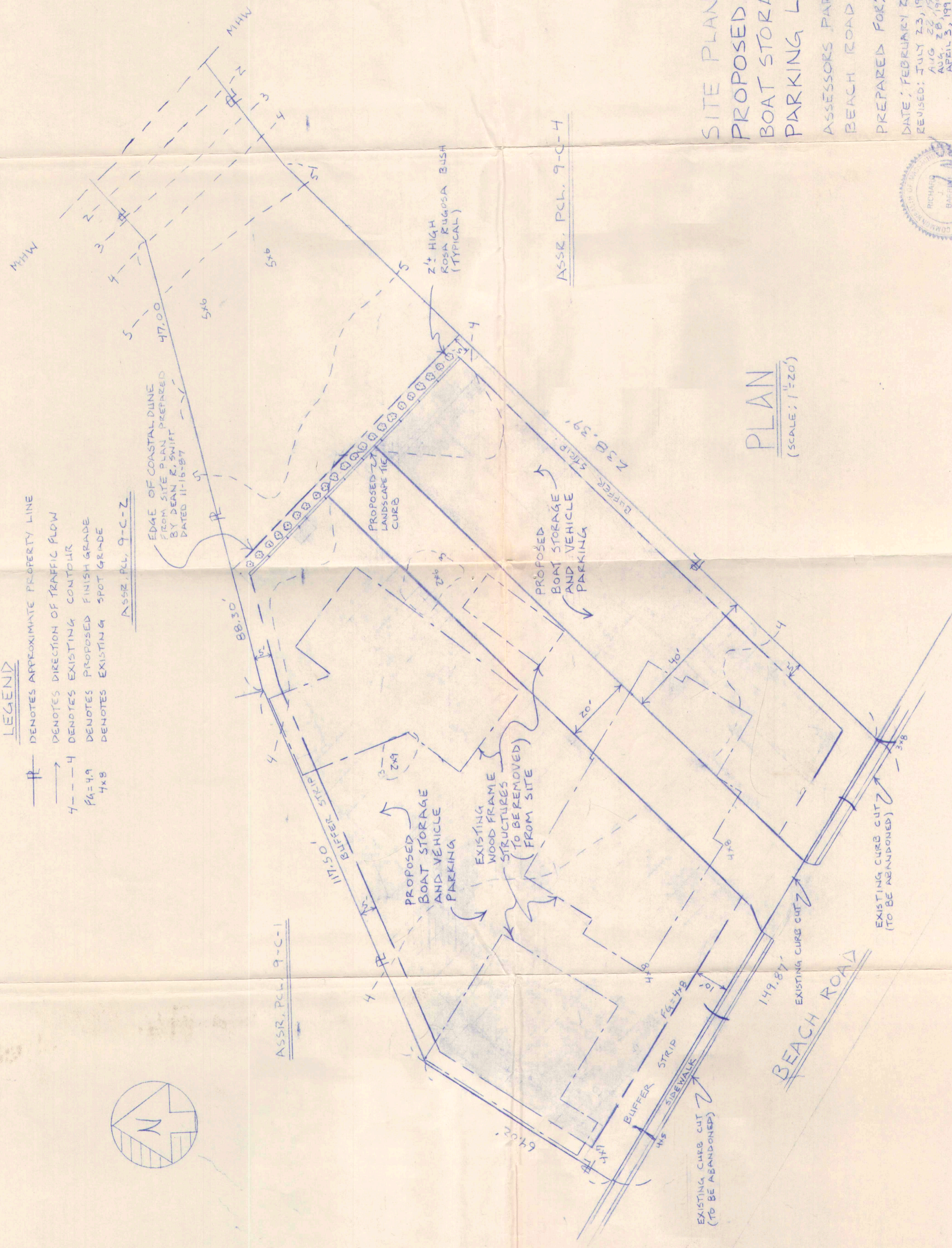
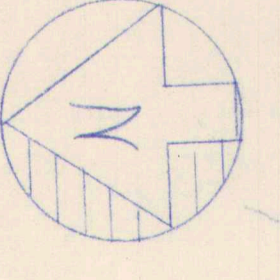
SCHOFIELD, BARRIN & HOEHN, INC.
 REGISTERED PROFESSIONAL ENGINEERS
 AND LAND SURVEYORS
 STATE ROAD, P.O. BOX 357
 VINEYARD HAVEN, MA 02568

PLAN, No. SP-3

MV-4735

MV-4735

- LEGEND**
- |- DENOTES APPROXIMATE PROPERTY LINE
 - > DENOTES DIRECTION OF TRAFFIC FLOW
 - 4- - - 4 DENOTES EXISTING CONTOUR
 - 4- - - 4 DENOTES PROPOSED FINISH GRADE
 - 4- - - 4 DENOTES EXISTING SPOT GRADE



PLAN
(SCALE: 1/320)

**SITE PLAN FOR A
PROPOSED COMMERCIAL
BOAT STORAGE AND
PARKING LOT**

ASSESSORS PARCEL 9-C-3
BEACH ROAD TISBURY, MASS.
PREPARED FOR: ERNEST J. BOCH
DATE: FEBRUARY 28, 1990 SCALE: AS INDICATED
REVISED: JULY 23, 1990
AUG. 28, 1990
APRIL 3, 1991
SCHOFIELDS BROTHERS OF MV
REGISTERED PROFESSIONAL ENGINEERS AND
LAND SURVEYORS
P.O. BOX 259, VINEYARD HAVEN, MA 02568

