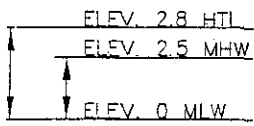
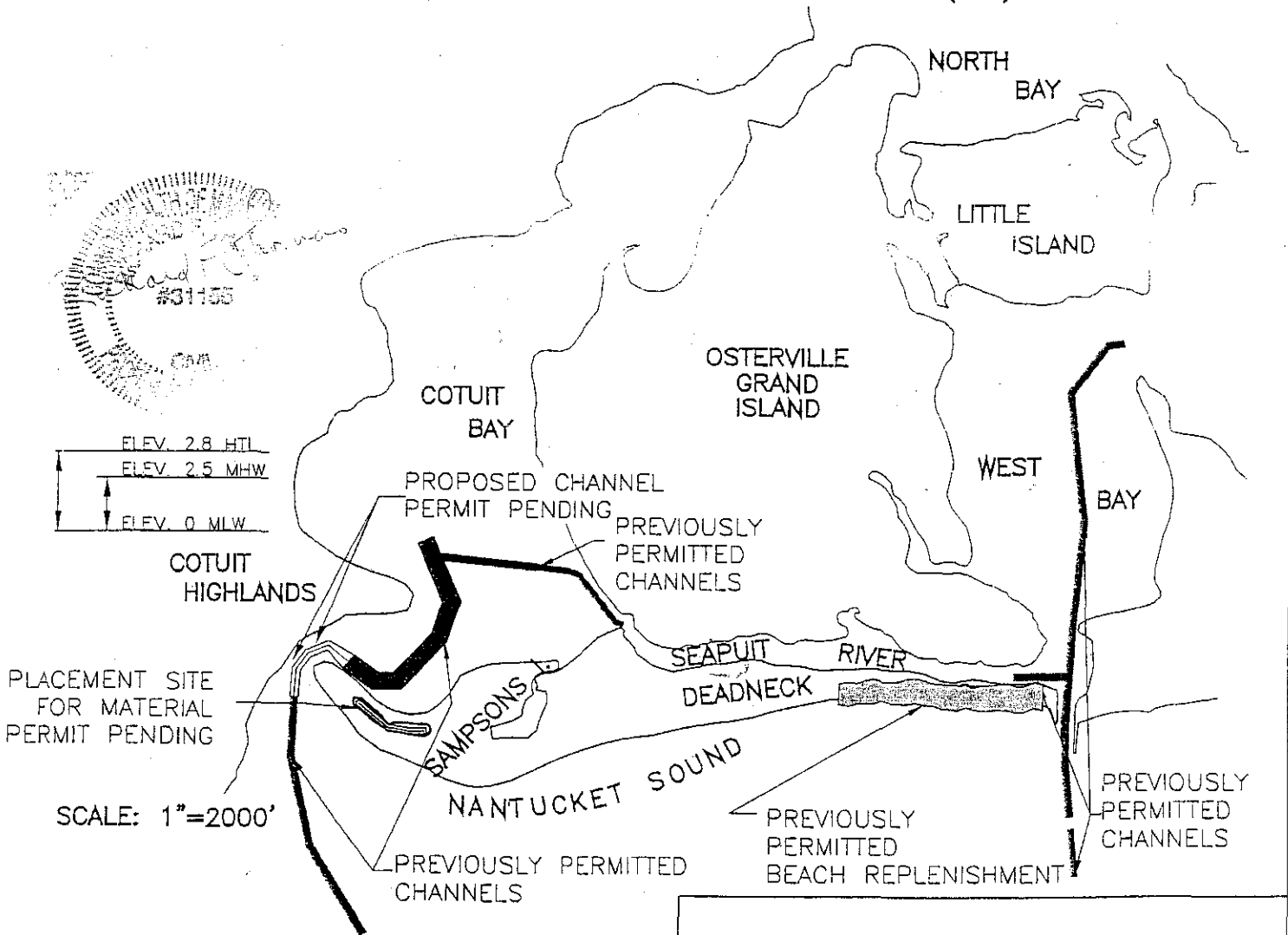


VACINTY MAP (NTS)



SCALE: 1"=2000'

**THREE BAYS PRESERVATION INC.**

TOWN OF OSTERVILLE (Barnstable County) MA.  
PLANS ACCOMPANYING PETITION OF 3 BAYS  
PRESERVATION TO DREDGE PORTIONS OF  
COTUIT BAY and NANTUCKET SOUND TO -11'  
BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS I.

**PERMIT NO. 9123**  
Approved by Department of Environmental Protection  
Date: OCT 31 2001

COTUIT BAY

COTUIT HIGHLANDS

DEAD NECK

COTUIT BAY TO SEPUIT RIVER CHANNEL TO BE DREDGED TO -9'; CHANNEL WIDTH WILL BE 100' (PREVIOUSLY PERMITTED)

COTUIT BAY TO SEPUIT RIVER CHANNEL TO BE DREDGED TO -7'; CHANNEL WIDTH WILL BE 20' (PREVIOUSLY PERMITTED)

COTUIT BAY TO NANTUCKET SOUND CHANNEL TO BE DREDGED TO -10'; CHANNEL WIDTH WILL BE 100' (PERMIT PENDING)

SECTION NO.8

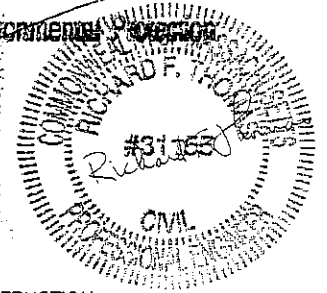
COTUIT BAY CHANNEL TO BE DREDGED TO -11'; CHANNEL WIDTH WILL BE 200' (PREVIOUSLY PERMITTED)

Approved by Department of Environmental Protection  
 Date: OCT 31 2001

9123

LEGEND

- SHORELINE
- PIER/DOCK
- HOUSE STRUCTURE
- ROADS
- TOP OF DUNE
- TOE OF DUNE
- BASELINE OF CONSTRUCTION
- 2.0 DEPTH BELOW MLW
- SEE SHEETS 5-7 FOR CROSS SECTIONS
- SALT MARSH
- TEMPORARY SILT FENCE
- CAPE AMERICAN BEACH GRASS LOCATION
- ⊙ VX 1997 SEDIMENT CORING LOCATIONS
- ⊙ 1998 SEDIMENT CORING LOCATIONS
- ⊙ 2000 SEDIMENT SAMPLES
- PREVIOUSLY PERMITTED CHANNEL
- PERMIT PENDING CHANNEL



NOTES

1. ALL DEPTHS AND ELEVATIONS REFERENCE MLW. IN AREAS OF HIGH SHOALING RATES, 1' OF ADVANCED MAINTENANCE DREDGING WILL BE PERFORMED.

COTUIT BAY ENTRANCE CHANNEL TO BE DREDGED TO -8'; CHANNEL WIDTH WILL BE 100'. (PREVIOUSLY PERMITTED)

THREE BAYS PRESERVATION INC.

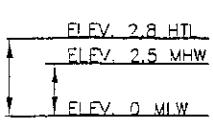
TOWN OF OSTERVILLE (Barnstable County) MA.

PLANS ACCOMPANYING PETITION OF 3 BAYS PRESERVATION TO DREDGE PORTIONS OF COTUIT BAY and NANTUCKET SOUND TO -11'

BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS

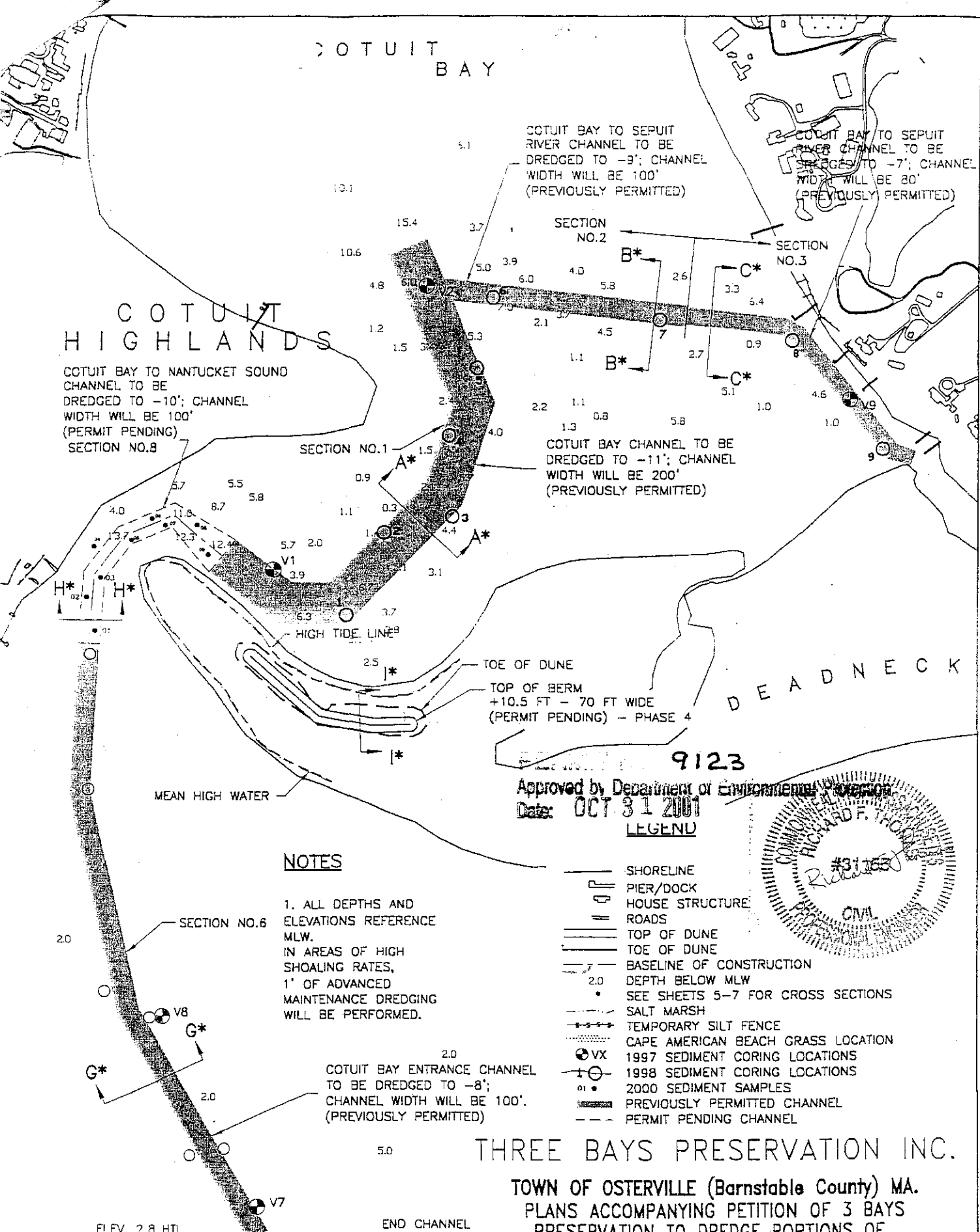
SHEET 2 OF 7

NOVEMBER 2000



SCALE: 1"=600'

END CHANNEL AT -8' CONTOUR.

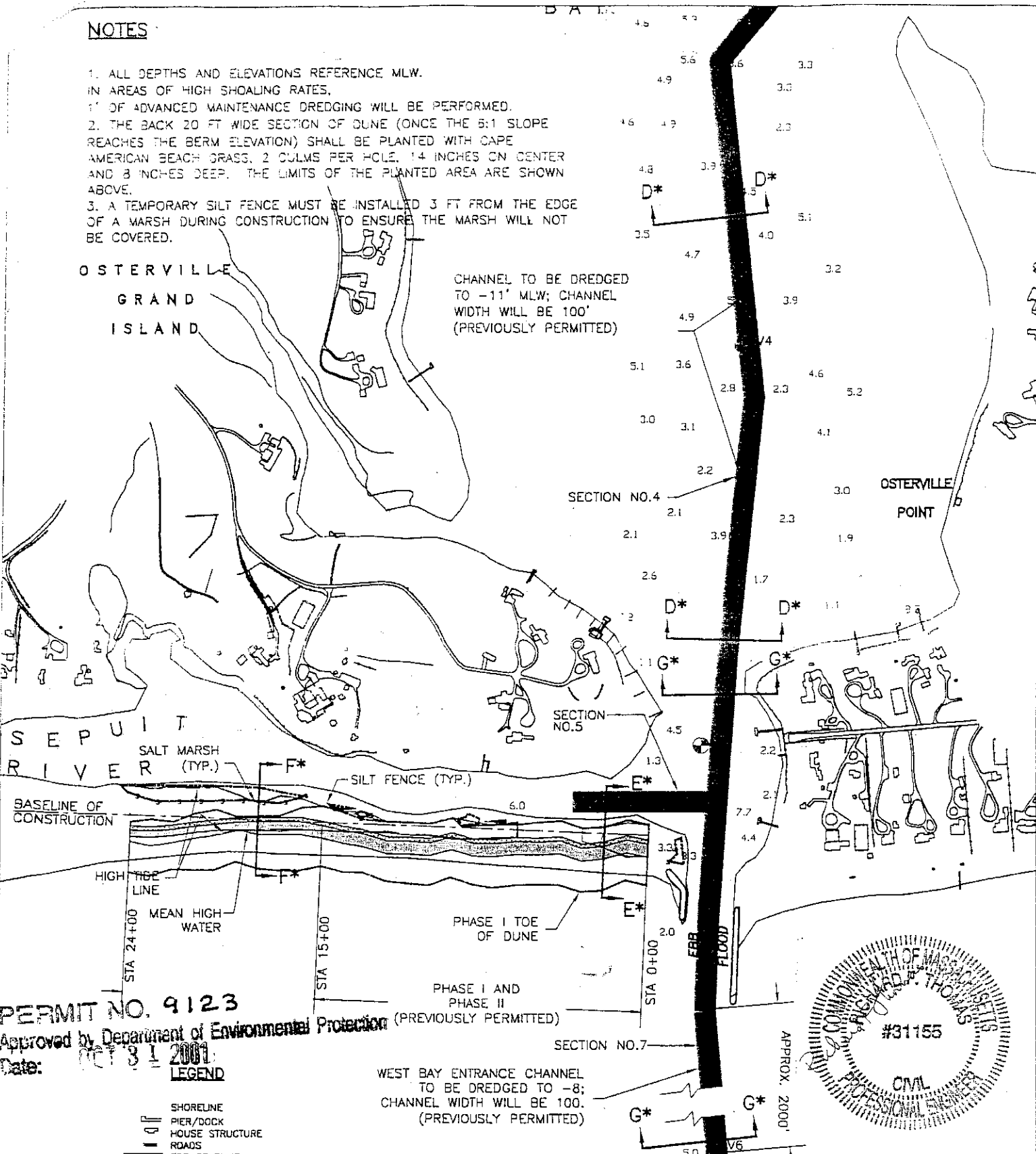


**NOTES**

1. ALL DEPTHS AND ELEVATIONS REFERENCE MLW.  
IN AREAS OF HIGH SHOALING RATES,  
1' OF ADVANCED MAINTENANCE DREDGING WILL BE PERFORMED.
2. THE BACK 20 FT WIDE SECTION OF DUNE (ONCE THE 5:1 SLOPE REACHES THE BERM ELEVATION) SHALL BE PLANTED WITH CAPE AMERICAN BEACH GRASS, 2 CULMS PER HOLE, 14 INCHES ON CENTER AND 8 INCHES DEEP. THE LIMITS OF THE PLANTED AREA ARE SHOWN ABOVE.
3. A TEMPORARY SILT FENCE MUST BE INSTALLED 3 FT FROM THE EDGE OF A MARSH DURING CONSTRUCTION TO ENSURE THE MARSH WILL NOT BE COVERED.

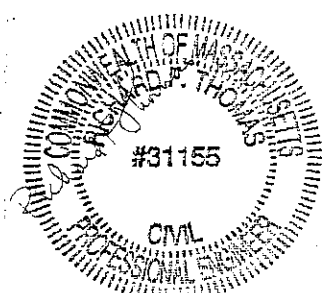
OSTERVILLE  
GRAND  
ISLAND

CHANNEL TO BE DREDGED  
TO -11' MLW; CHANNEL  
WIDTH WILL BE 100'  
(PREVIOUSLY PERMITTED)



**PERMIT NO. 9123**  
Approved by Department of Environmental Protection  
Date: 09/31/2001

- LEGEND**
- SHORELINE
  - PIER/DOCK
  - HOUSE STRUCTURE
  - ROADS
  - TOP OF DUNE
  - TOE OF DUNE
  - BASELINE OF CONSTRUCTION
  - DEPTH BELOW MLW  
SEE SHEETS 5-7 FOR CROSS SECTIONS
  - SALT MARSH
  - TEMPORARY SILT FENCE
  - CAPE AMERICAN BEACH GRASS LOCATION
  - 1997 SEDIMENT CORING LOCATIONS
  - 1998 SEDIMENT CORING LOCATIONS
  - 2000 SEDIMENT SAMPLES
  - PREVIOUSLY PERMITTED CHANNEL
  - PERMIT PENDING CHANNEL



WEST BAY ENTRANCE CHANNEL  
TO BE DREDGED TO -8;  
CHANNEL WIDTH WILL BE 100'.  
(PREVIOUSLY PERMITTED)

**THREE BAYS PRESERVATION INC.**

TOWN OF OSTERVILLE (Barnstable County) MA.  
PLANS ACCOMPANYING PETITION OF 3 BAYS  
PRESERVATION TO DREDGE PORTIONS OF  
COTUIT BAY and NANTUCKET SOUND TO -11'  
BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS I.

SCALE: 1"=600'

SHEET 3 OF 7

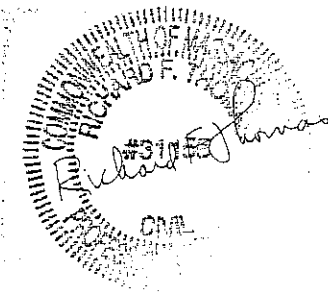
NOVEMBER 2000

CHANNEL CUT VOLUMES

SECTION	VOLUME TO GRADE (CY)	VOLUME TO OVERDEPTH (CY)	MAINTENANCE DREDGING (CY)	IMPROVEMENT DREDGING (CY)
No. 1	95,354	27,226	14,615	107,965
No. 2	10,239	4,934	1,399	13,774
No. 3	7,417	3,496	4,037	6,876
No. 4	58,654	20,887	21,366	58,175
No. 5	500**	2,000**	2,500	0
No. 6	63,529	12,471	76,000	0
No. 7	298	3,921	4,219	0
No. 8	4,763	1,525	0	6,288
TOTAL	240,754	76,460	124,136	193,078

BEACH FILL VOLUMES

SECTION	BEACH FILL (CY)
PHASE 1	124,637
PHASE 2	57,220
PHASE 3	51,678
PHASE 4	6,500
TOTAL	240,035



**PERMIT NO. 9123**

Approved by Department of Environmental Protection

Date: **OCT 31 2001**

**THREE BAYS PRESERVATION INC.**

TOWN OF OSTERVILLE (Barnstable County) MA.

PLANS ACCOMPANYING PETITION OF 3. BAYS

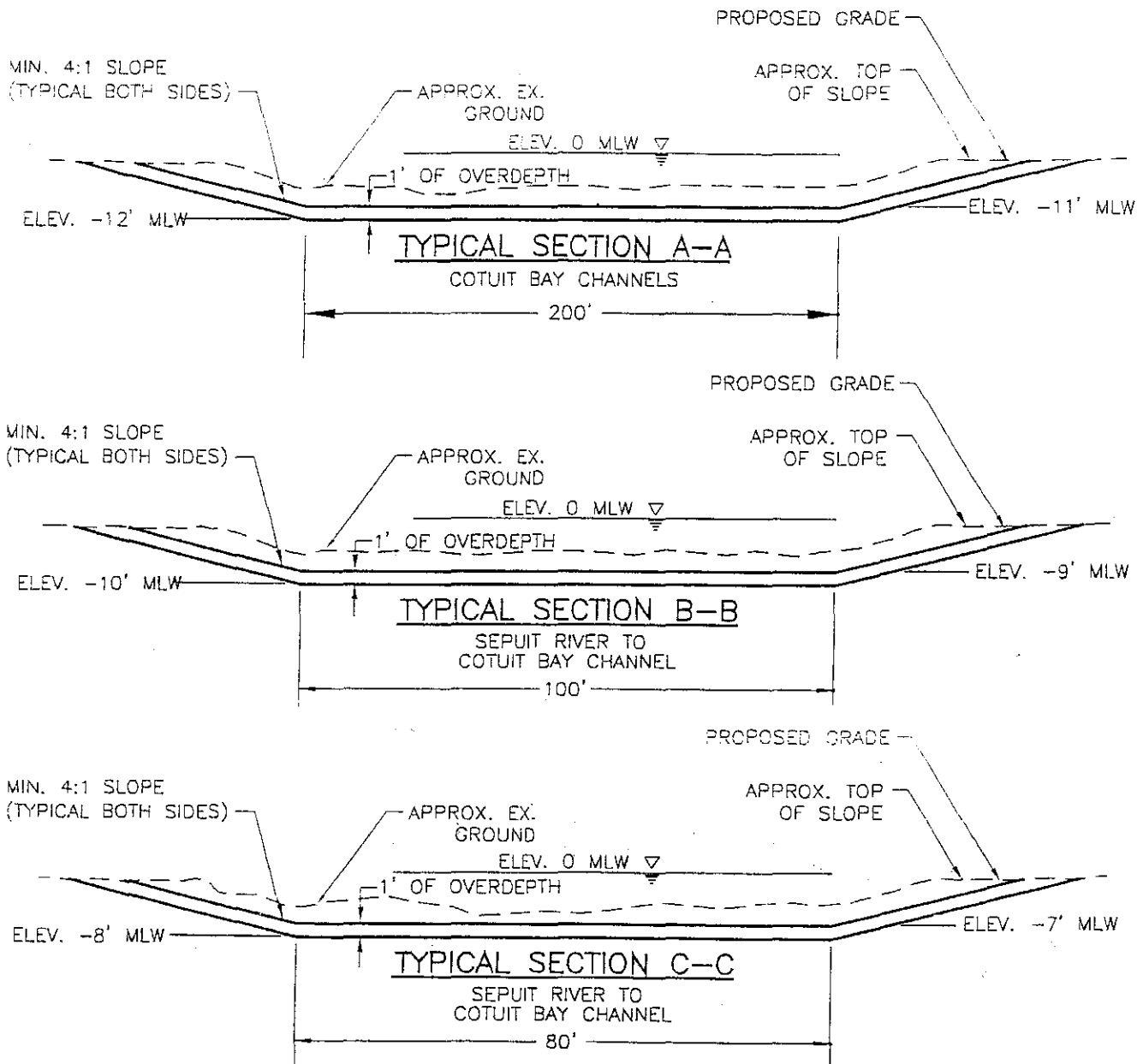
PRESERVATION TO DREDGE PORTIONS OF

COTUIT BAY and NANTUCKET SOUND TO -11'

BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS I.

SHEET 4 OF 7

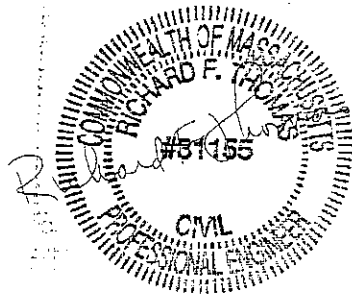
NOVEMBER 2000



**LEGEND**

- EXISTING GROUND
- PROPOSED DREDGING TEMPLATE

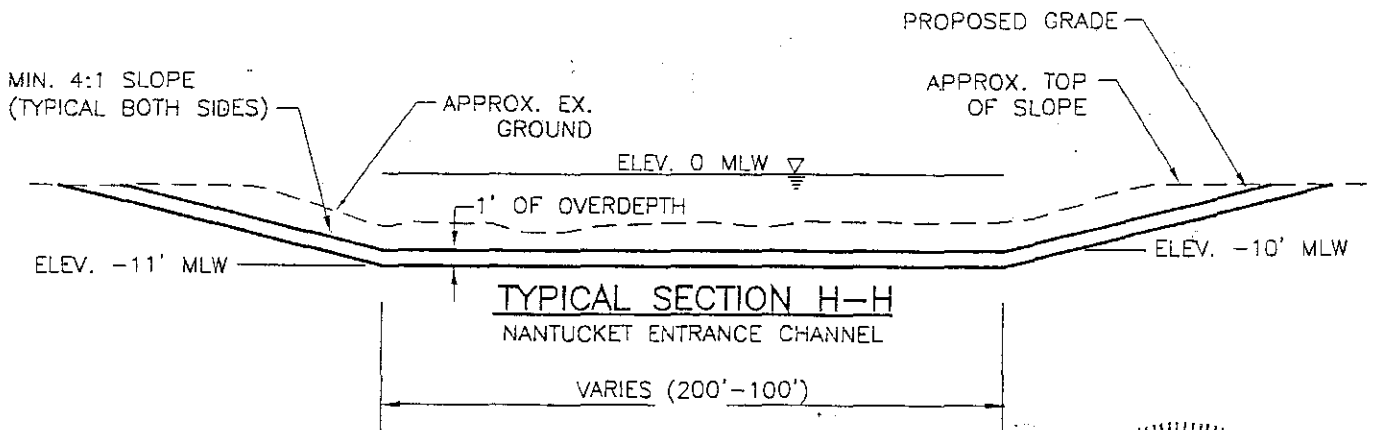
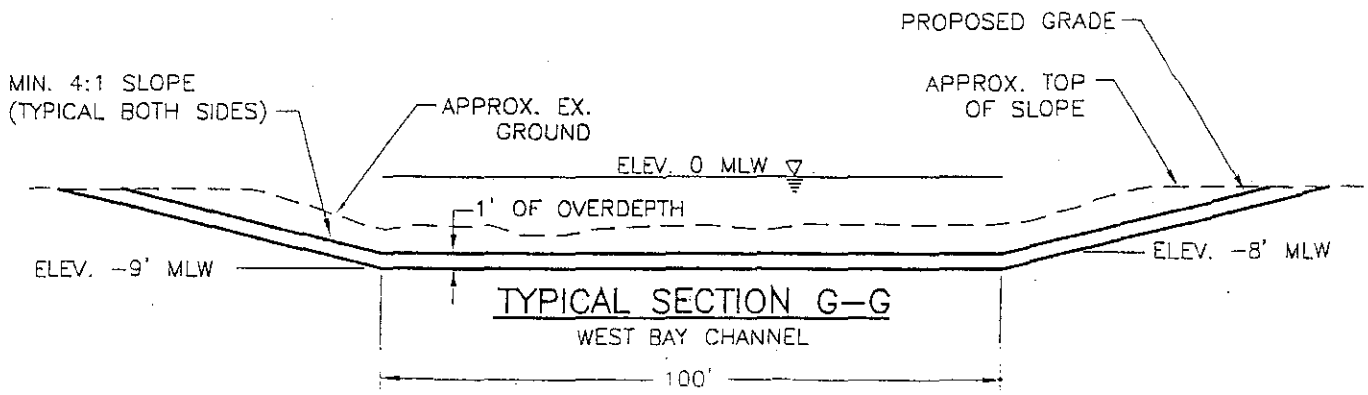
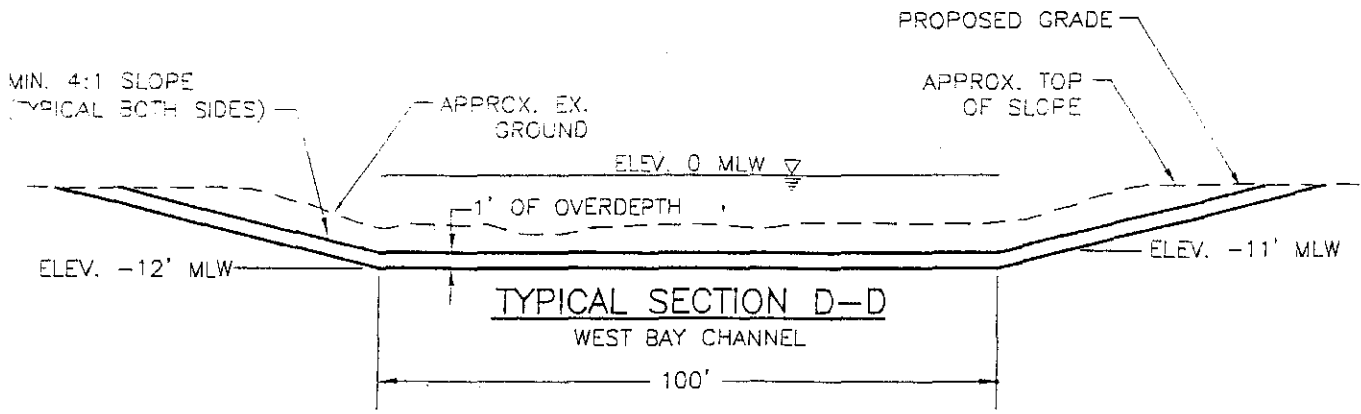
NOTE: IN AREAS OF HIGH SHOALING, 1' OF ADVANCED MAINTENANCE DREDGING WILL BE PERFORMED.



PERMIT NO. 9123  
Approved by Department of Environmental Protection  
Date: 001 31 2001

SCALE: NTS

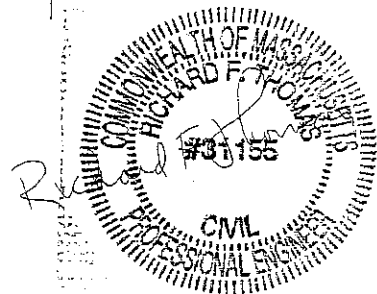
**THREE BAYS PRESERVATION INC.**  
TOWN OF OSTERVILLE (Barnstable County) MA.  
PLANS ACCOMPANYING PETITION OF 3 BAYS PRESERVATION TO DREDGE PORTIONS OF COTUIT BAY and NANTUCKET SOUND TO -11'  
BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS I.  
SHEET 5 OF 7  
NOVEMBER 2000



**LEGEND**

- EXISTING GROUND
- PROPOSED DREDGING TEMPLATE

NOTE: IN AREAS OF HIGH SHOALING,  
1' OF ADVANCED MAINTENANCE DREDGING  
WILL BE PERFORMED.



**PERMIT NO. 9123**

Approved by Department of Environmental Protection

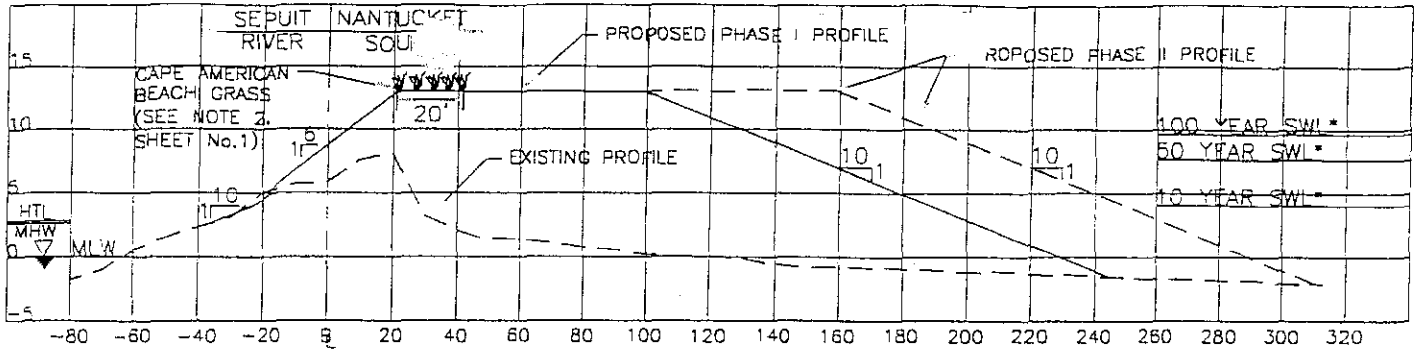
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SCALE: NTS

**THREE BAYS PRESERVATION INC.**

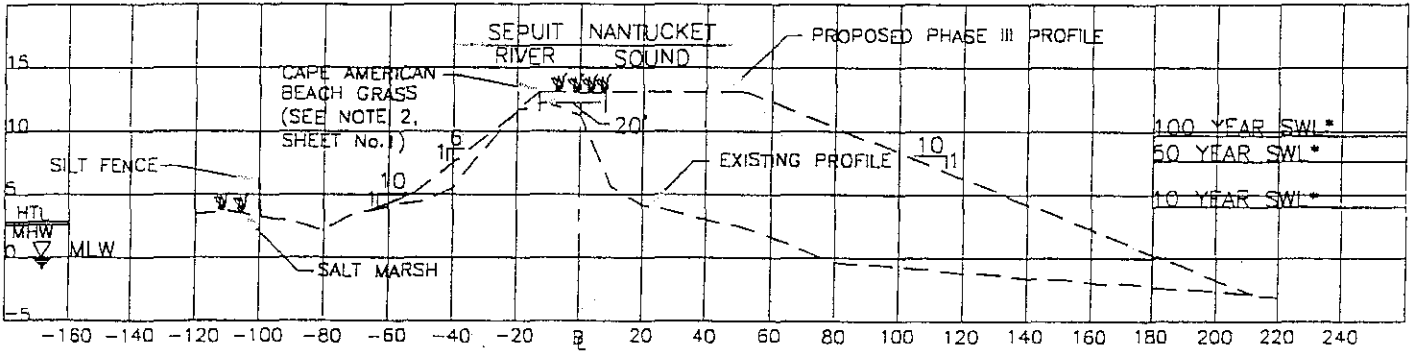
TOWN OF OSTERVILLE (Barnstable County) MA.

PLANS ACCOMPANYING PETITION OF 3 BAYS  
PRESERVATION TO DREDGE PORTIONS OF  
COTUIT BAY and NANTUCKET SOUND TO -11'  
BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS I.



SECTION E-E

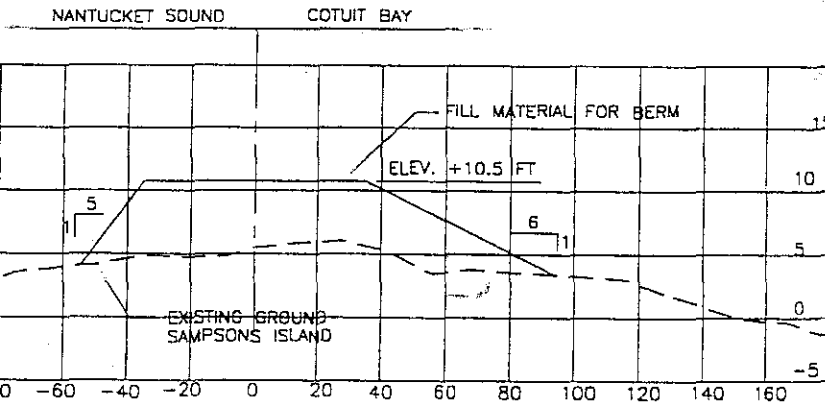
DEADNECK BEACH NOURISHMENT  
 STA. 0+00 TO STA. 15+00  
 PHASE I AND II



SECTION F-F

DEADNECK BEACH NOURISHMENT  
 STA. 15+00 TO STA. 24+00  
 PHASE III

*Richard P. Jones*  
 CIVIL ENGINEER



LEGEND

- - - EXISTING PROFILE
- PROPOSED PHASE I PROFILE
- - - FUTURE PROFILE (PHASE II AND III)
- \* SWL = STILL WATER LEVEL.

SECTION I-I

NOTE: ALL ELEVATIONS ARE IN FEET AND REFERENCE MLW.

THREE BAYS PRESERVATION INC.

TOWN OF OSTERVILLE (Barnstable County) MA.

PLANS ACCOMPANYING PETITION OF 3 BAYS

PRESERVATION TO DREDGE PORTIONS OF

COTUIT BAY and NANTUCKET SOUND TO -11'

BORROW MATERIAL WILL BE USED TO FILL BEACH AREA ON SAMPSONS I.

SHEET 7 OF 7

NOVEMBER 2000

PERMIT NO. 9123

Approved by Department of Environmental Protection

Date: DEC 31 2001

SCALE: as shown