



PROJECT, PASTURE POINT, JAMES FARM ECOLOGICAL PRESERVE:
 RIP-RAP; SANDY FILL; VEGETATIVE STABILIZATION
 IN: Pasture Point Cove, Indian River Bay
 AT: James Farm Ecological Preserve,
 Cedar Neck Road, Ocean View, Sussex Co., DE
 (Tax Map Parcel # 1-34-9-93.01)
 APPLICANT: Center for the Inland Bays, Inc.
 DATE: July, 2005

LEGEND

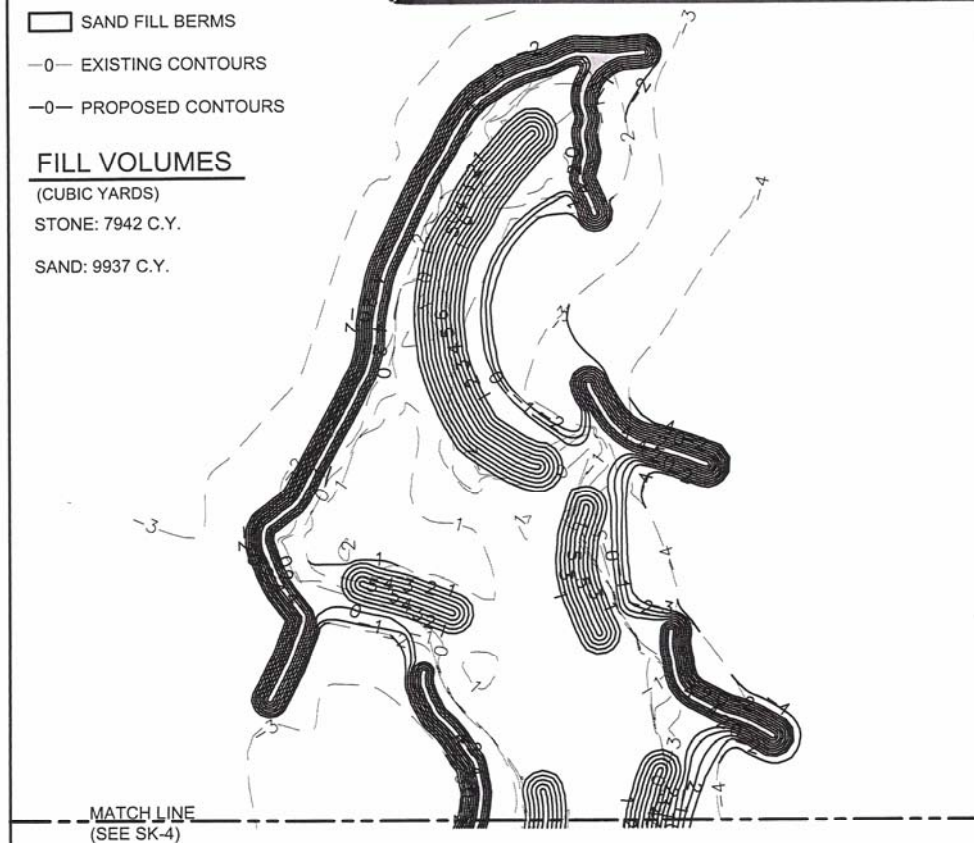
-  STONE FILL
-  SAND FILL BERMS
- 0— EXISTING CONTOURS
- 0— PROPOSED CONTOURS

FILL VOLUMES

(CUBIC YARDS)

STONE: 7942 C.Y.

SAND: 9937 C.Y.



PROPOSED SITE PLAN

1:100

SCALE : AS NOTED
 DESIGN BY : REH
 DRAWN BY : HE
 CHECKED BY:
 GMB FILE : 2003042
 DATE : NOV 2003

GMB
 GEORGE, MILES & BUHR, LLC
 ARCHITECTS & ENGINEERS
 SALISBURY • BALTIMORE • LEWES • SEAFORD • YORK
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APPL. BY: CENTER FOR THE INLAND BAYS
 PASTURE POINT
 SHORELINE RESTORATION
 BETHANY BEACH, DELAWARE

SK-3

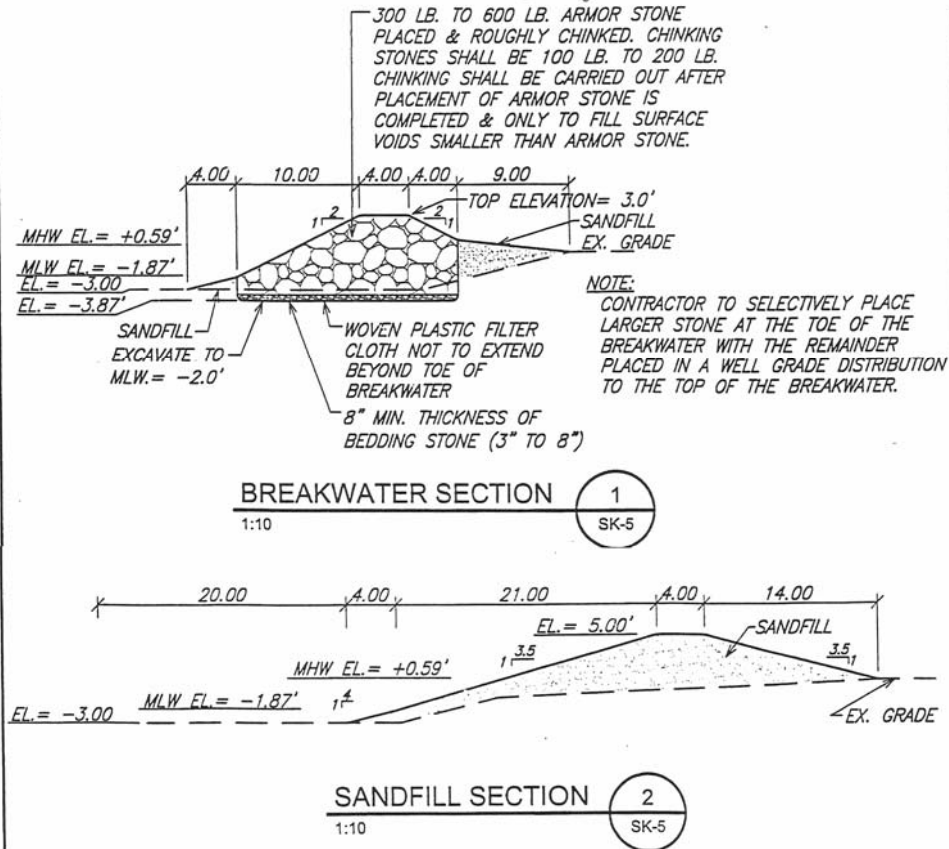
SHEET 3 OF 5

Figure 13. Proposed site plan, northern section of project site (prepared by GMB, LLC).

PROPOSED SHORELINE PROTECTION/HABITAT RESTORATION
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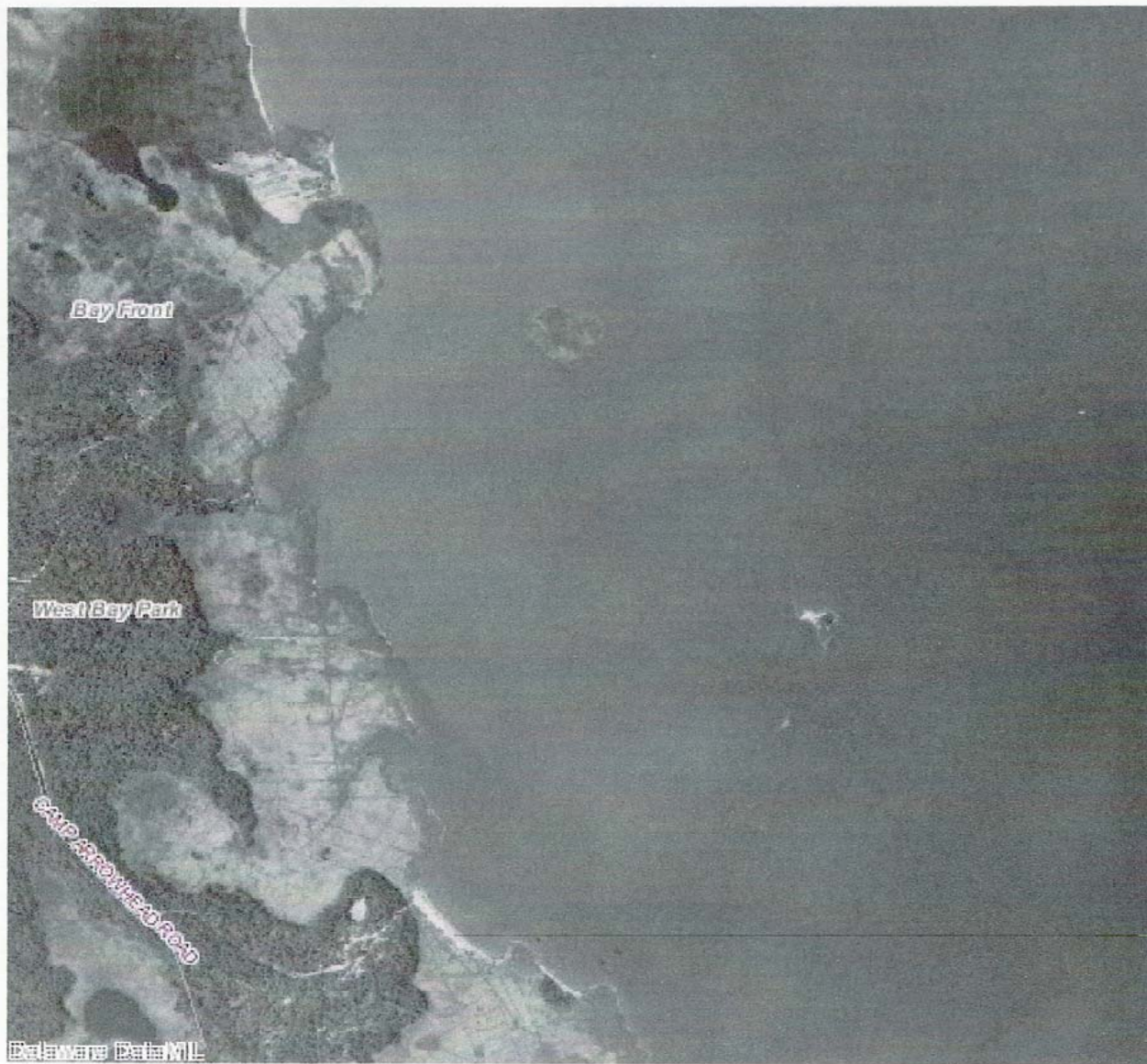
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SK-5

SHEET 5 OF 5

Figure 15. Cross-sections of proposed project (prepared by GMB, LLC).

<u>Habitat</u>	<u>Current</u>	<u>Proposed</u>	<u>Increase</u>
Marsh	114,830 sf	146,145 sf	+31,315 sf
Beach	8,800 sf	41,472 sf	+32,672 sf



Delaware Data ML

Map Scale 1:20058

Big Piney Island, Rehoboth Bay, 1954



Big Piney Island, August 1972

“Big Piney Island, however, has eroded over -9m/year and today is little more than a shoal. The erosion rates along the shoreline that had been previously sheltered by the two islands have more than tripled, probably due to the loss of the sheltering effect. Big Piney Island and Marsh Island will soon disappear causing the shoreline to be even more susceptible to winter storms.”

Swisher, 1982

