SCDHEC OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT
PERMIT APPLICATION PUBLIC NOTICE

April 7, 2006

Permit Number: OCRM-06-003-R
Permit ID: 53933

The SCDHEC Office of Ocean and Coastal Resource Management has received an application for a permit for the alteration of a critical area. This application was submitted pursuant to the Coastal Zone Management Act (Act 123) of the 1977 South Carolina General Assembly. The application, in brief, is described as follows:

APPLICANT: SCANA Service Company
C/O General Engineering & Environmental LLC
PO Box 30712
Charleston, SC 29417

LOCATION: On and adjacent to Cooper River at Concord St (adjacent to the Tour boat facility) Charleston, Charleston County, South Carolina.

WORK: The work as proposed and shown on the attached plans consists of remediation. The shoreline, from Charlotte Street southward beyond the NPS tour boat facility, have been developed or in the process of being improved. These projects have essentially covered or capped a large portion of the impacted sediments at along this site. The existing physical structures and sand blankets placed prior have provided effective cover. The remaining sites that need to be completed are Areas two and three. The proposed remediation for these sites include a cap of interlocking blocks and geotextiles. This plan will work well with the planned development and result in minimizing or eliminating future maintenance requirements and the potential for erosion. The work as described is for remediation in accordance with EPA plans.

This public notice is being distributed to all known interested persons and agencies to assist in developing facts on which a decision by OCRM can be based. Comments concerning the proposed work should be submitted in writing, setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

The decision to issue or deny a permit will be based on the individual merits of the application, the policies specified in the South Carolina Coastal Zone Management Act, and the considerations outlined in the State of South Carolina Coastal Zone Management Program. Interested parties who wish to be notified of final permit action must notify OCRM in writing of this request.

To assure review by OCRM, comments regarding this application must be received by OCRM on or before May 7 2006. For further information please contact the project manager for this activity, Tess Rodgers at 843-747-4323 ext. 116.

PLEASE REPLY TO:

SCDHEC OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405

Please refer to P/N# OCRM-06-003-R

Tess Rodgers, Regulatory Coordinator

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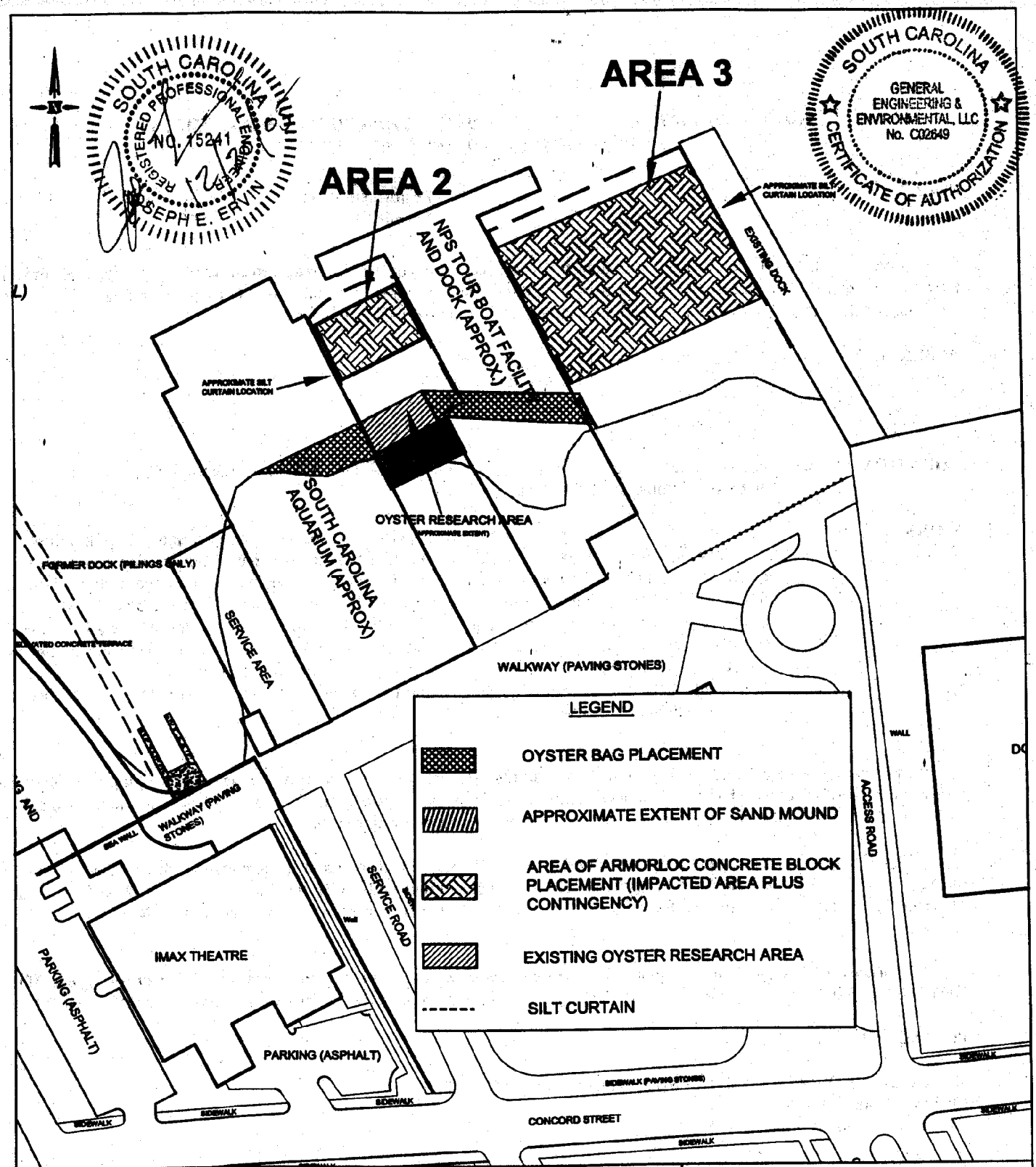

PURPOSE: AUGMENTATION OF REMEDIAL DESIGN FOR IMPACTED SEDIMENTS

ADJACENT PROPERTY OWNERS

SEE ATTACHED LIST

SURVEY DATUM: MLW

OCRM-06-003-R

FIGURE 2
PROJECT PLAN VIEW
OF AREAS 2 & 3

SCALE: 1" = 100'

0' 50' 100' 150'

SCANA SERVICES, INC.
CALHOUN PARK AREA SITE
CHARLESTON, SOUTH CAROLINA

PROPOSED: PLACEMENT OF GEOTEXTILE, AND INTERLOCKING BLOCKS AND MATS

AT: CALHOUN PARK AREA SITE

IN: COOPER RIVER

COUNTY OF: CHARLESTON, SOUTH CAROLINA

SHEET: 2 OF 6 DATE: 12/14/05

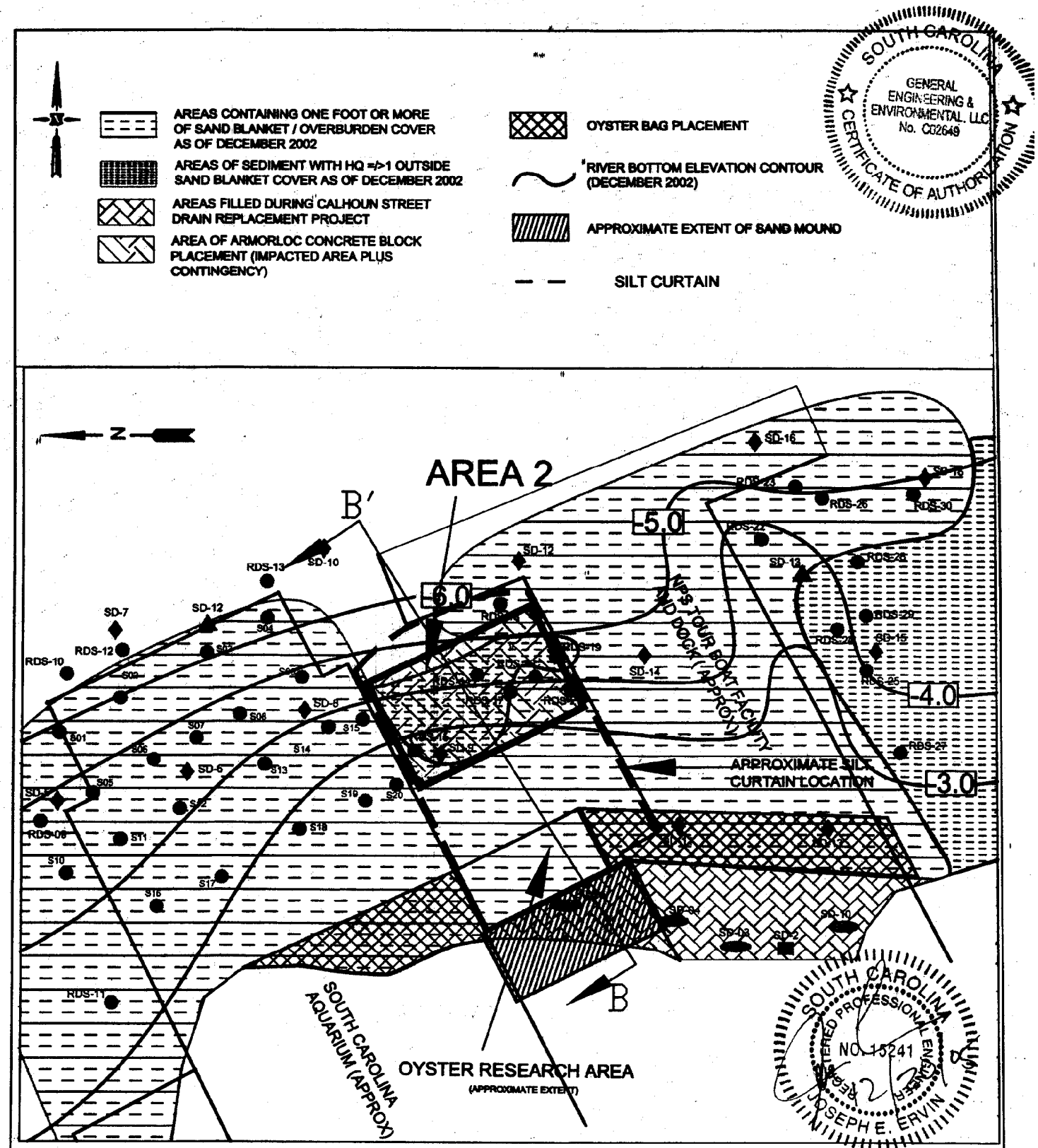

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FIGURE 3
AREA 2 PLAN VIEW

SCALE: 1" = 50'

0' 25' 50' 75'

SCANA SERVICES, INC.
CALHOUN PARK AREA SITE
CHARLESTON, SOUTH CAROLINA

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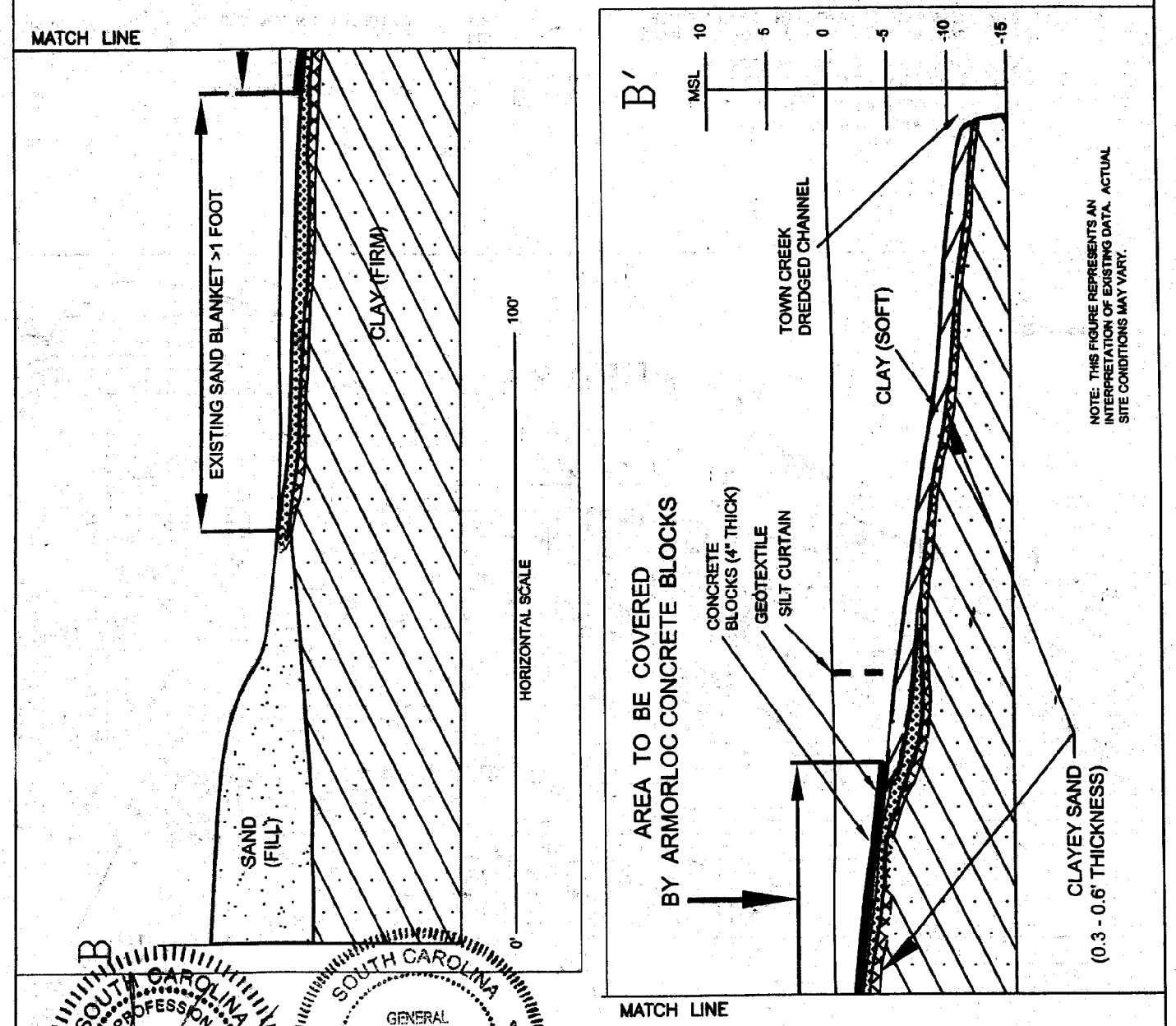
AT: CALHOUN PARK AREA SITE

IN: COOPER RIVER

COUNTY OF: CHARLESTON, SOUTH CAROLINA

SHEET: 3 OF 6 DATE: 12/14/05



SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 15241 JOSEPH E. ERVIN

SOUTH CAROLINA GENERAL ENGINEERING & ENVIRONMENTAL, LLC No. C02649 CERTIFICATE OF AUTHORIZATION

PURPOSE: AUGMENTATION OF REMEDIAL DESIGN FOR IMPACTED SEDIMENTS

ADJACENT PROPERTY OWNERS

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SURVEY DATUM: MLW

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FIGURE 4
AREA 2 CROSS SECTION

SCALE AS SHOWN

SCANA SERVICES, INC.
CALHOUN PARK AREA SITE
CHARLESTON, SOUTH CAROLINA

PROPOSED: PLACEMENT OF GEOTEXTILE, AND INTERLOCKING BLOCKS AND MATS

AT: CALHOUN PARK AREA SITE

IN: COOPER RIVER

COUNTY OF: CHARLESTON, SOUTH CAROLINA

SHEET: 4 OF 6 DATE: 12/14/05

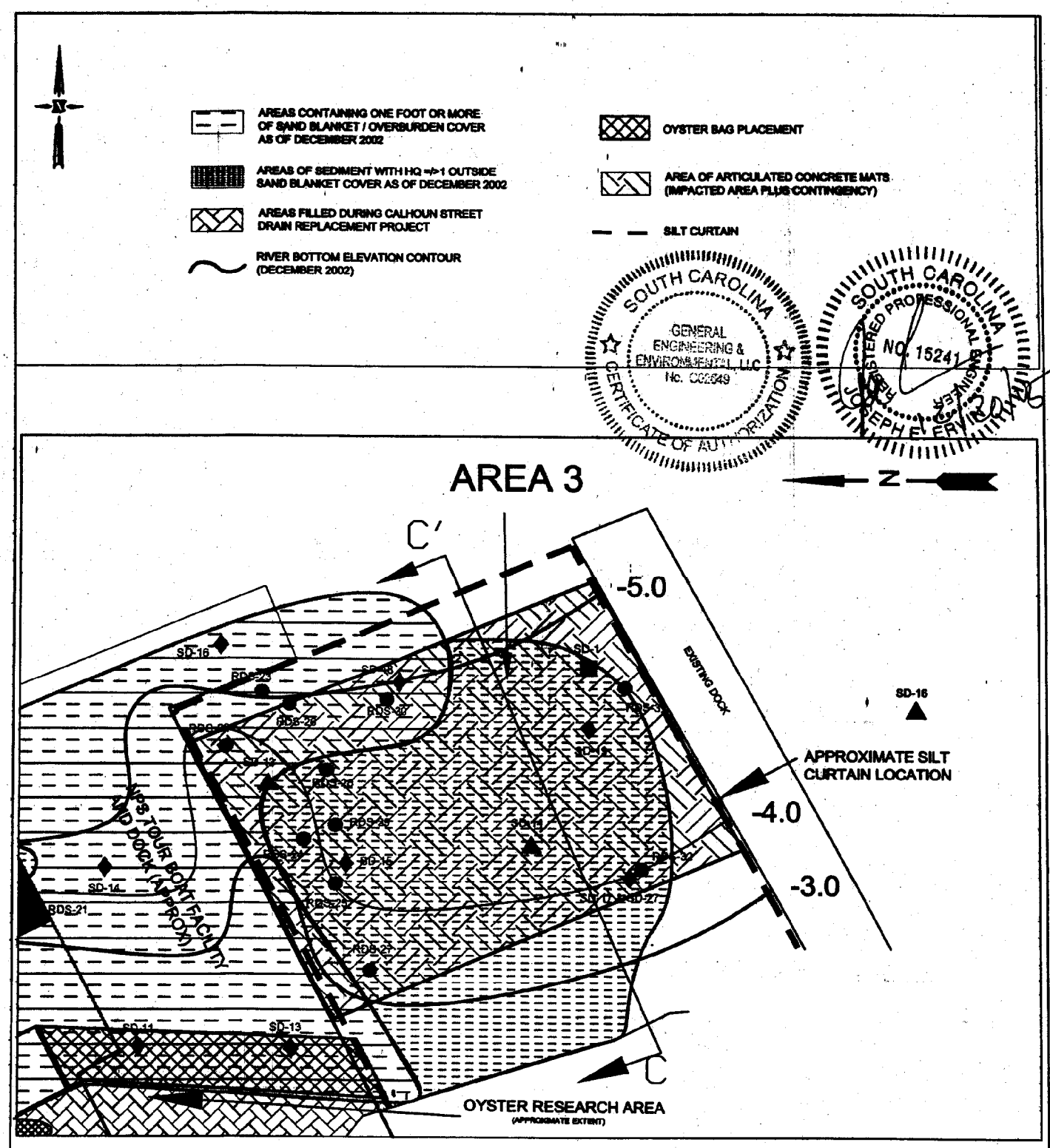

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FIGURE 5
AREA 3 PLAN VIEW

SCALE: 1" = 50'

0' 25' 50' 75'

SCANA SERVICES, INC.
CALHOUN PARK AREA SITE
CHARLESTON, SOUTH CAROLINA

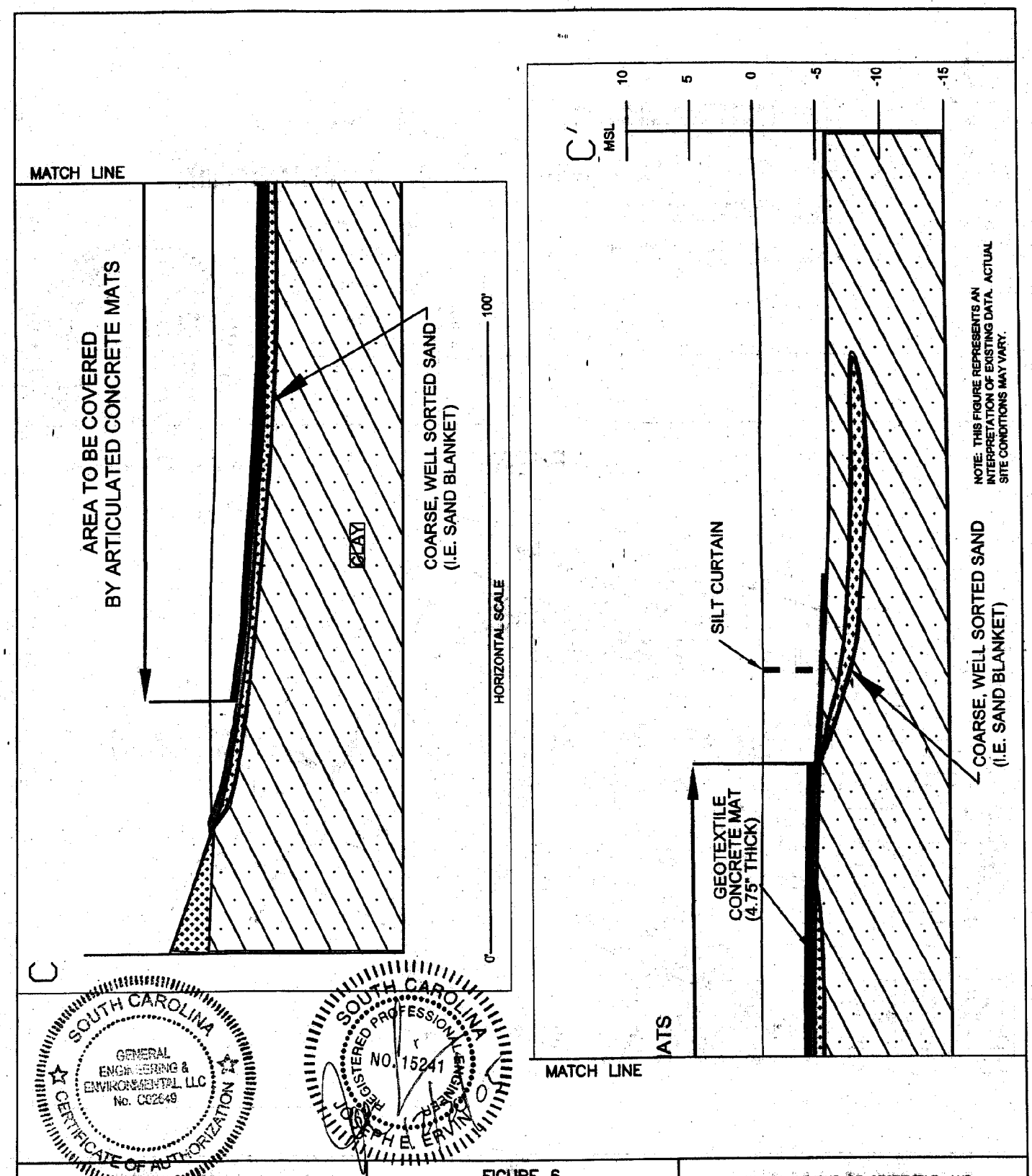
PROPOSED: PLACEMENT OF GEOTEXTILE, AND INTERLOCKING BLOCKS AND MATS

AT: CALHOUN PARK AREA SITE

IN: COOPER RIVER

COUNTY OF: CHARLESTON, SOUTH CAROLINA

SHEET: 5 OF 6 DATE: 12/14/05



SOUTH CAROLINA
GENERAL ENGINEERING & ENVIRONMENTAL, LLC
No. CC2649
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
NO. 15241
JOSEPH E. ERVING

PURPOSE: AUGMENTATION OF REMEDIAL DESIGN FOR IMPACTED SEDIMENTS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATUM: MLW

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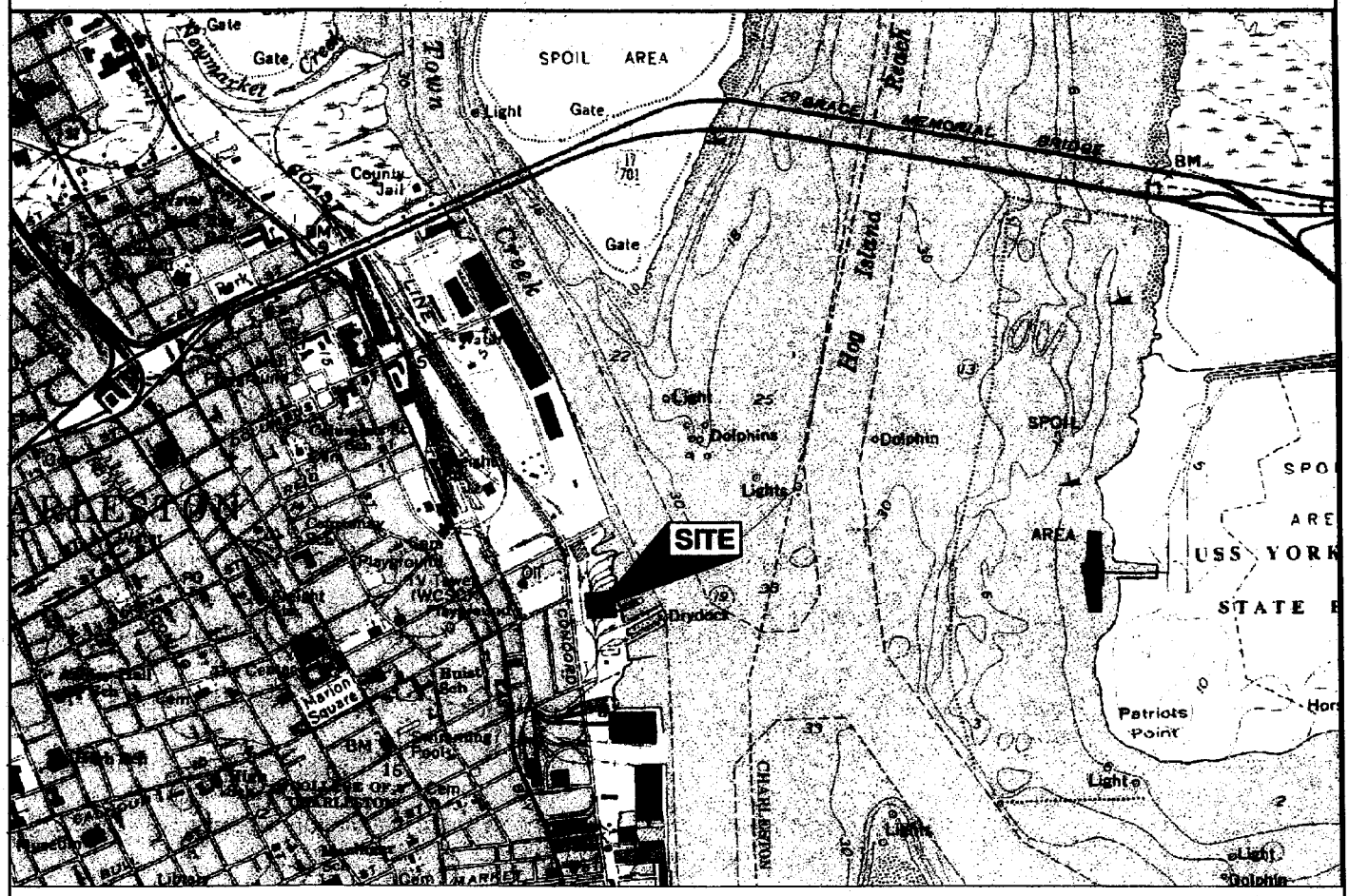
FIGURE 6
AREA 3 CROSS SECTION

SCALE AS SHOWN

SCANA SERVICES, INC.
CALHOUN PARK AREA SITE
CHARLESTON, SOUTH CAROLINA

PROPOSED: PLACEMENT OF GEOTEXTILE, AND INTERLOCKING BLOCKS AND MATS
AT: CALHOUN PARK AREA SITE
IN: COOPER RIVER
COUNTY OF: CHARLESTON, SOUTH CAROLINA
SHEET: 6 OF 6 DATE: 12/14/05



PURPOSE: AUGMENTATION OF REMEDIAL DESIGN FOR IMPACTED SEDIMENTS

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DCRM-06-003-R

FIGURE 1
LOCATION MAP

SCALE: 1" =2000'

0' 1000' 2000' 3000'

SCANA SERVICES, INC.
CALHOUN PARK AREA SITE
CHARLESTON, SOUTH CAROLINA

PROPOSED: PLACEMENT OF GEOTEXTILE, AND INTERLOCKING BLOCKS AND MATS

AT: CALHOUN PARK AREA SITE

IN: COOPER RIVER

COUNTY OF: CHARLESTON, SOUTH CAROLINA

SHEET: 1 OF 6 DATE: 12/14/05

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DESCRIBE THE DIMENSIONS, GENERAL SPECIFICATIONS, AND PURPOSE OF THE PROJECT:

The Calhoun Park Area (CPA) Site in Charleston, South Carolina is being regulated as a Superfund Site in accordance with the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and, to the extent practicable, the National Oil and Hazardous Substance Pollution Contingency Plan (NCP). The U.S. Environmental Protection Agency (EPA) is the lead agency, while the South Carolina Department of Health and Environmental Control (SCDHEC) functions as a support agency.

On September 24, 2002, the EPA, with SCDHEC concurrence, signed a Record of Decision (ROD) for Operable Unit #2 (OU#2) which addresses intermediate groundwater and sediment remediation activities. SCANA Services, Inc. (SCANA) is required to address each component as described in the ROD. This permit application presents the approach for completing remedial design activities as they pertain to impacted site sediment.

For sediment at the CPA Site, the following statutory determination was stated in the ROD:

> Polynuclear aromatic hydrocarbon (PAH) constituents in sediments have been identified as of concern, due to potential exposure to benthic organisms. However, based on the limited extent of sediments impacted by PAHs, the presence of existing sand blankets, and the calculated potential ecological risks, impacted sediments are considered a low-level threat and exposure control via the sand blankets provides adequate protection.

Also, as set forth in the ROD, the selected remedy for sediment included the major components listed below.

- Monitoring of existing sand blankets at the perimeter of existing structures and along the west bank of the Cooper River will be conducted.
- Maintenance of the existing sand blankets will be performed, if required. The sand blanket may be augmented depending upon supplemental total organic carbon and PAH data collected during the remedial design.

The supplemental total organic carbon and PAH data referred to above were collected in December 2002 and previously reported to the regulatory agencies. This supplemental data, in addition to other information contained in the Administrative Record for the site, provide the basis for the decision to proceed with the remedial design for augmenting (or extending) the existing sand blanket at the CPA Site.

Nearly the entire shoreline, from Charlotte Street southward to beyond the National Park Service (NPS) tour boat facility, has been developed or is in the process of being improved. Construction projects, such as the City Aquarium, the new NPS tour boat facility and the River Walk, have essentially covered or capped a large portion of the impacted sediments at the site. The existing physical structures, and sand blankets placed

prior to construction of the buildings, have resulted in providing effective cover. The recently completed pre-design work has confirmed that the existing sand blankets remain largely intact. However, the pre-design work also identified two separate areas that require augmentation or replacement of the cap.

The two additional areas that are to be capped are:

Area 2 – The area between the City Aquarium and the Tour Boat Facility; and,
Area 3 – The area south of the Tour Boat Facility.

Given the near shore impacts, the potential exposure to wave action, the existing shoreline riprap and the future development plans, it is recommended that a cap be constructed from interlocking blocks and geotextile over impacted Area 2, and interlocking mats and geotextile over impacted Area 3. The interlocking blocks and mats, and geotextile will work well with the planned development and result in minimizing or eliminating future maintenance requirements and the potential for erosion. The objective of preventing exposure of benthic organisms to sediments having elevated PAHs will be achieved by physical isolation.

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