



PUBLIC NOTICE

US Army Corps
of Engineers
New York District
Jacob K. Javits Federal Building
New York, N.Y. 10278-0090
ATTN: Regulatory Branch

In replying refer to:
Public Notice Number: NAN-2004-1017-EJE
Issue Date: October 4, 2007
Expiration Date: November 4, 2007

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: National Park Service
Gateway National Recreation Area
Doug Adamo
Chief, Division of Natural Resources
210 New York Avenue
Staten Island, NY 10305

ACTIVITY: 10-year maintenance dredging with beach nourishment via a sand slurry pipeline.

WATERWAY: Atlantic Ocean

LOCATION: Sandy Hook, Monmouth County, New Jersey

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to 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, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

CENAN-OP-RE
PUBLIC NOTICE NO. NAN-2004-1017-EJE

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein may affect the following Federally endangered or threatened species: piping plover (*Charadrius melodus*), northeastern beach tiger beetle (*Cicindella dorsalis dorsalis*), seabeach amaranth (*Amaranthus pumilus*), five species of sea turtles and three species of whales. Pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the applicant is consulting with the United States Fish and Wildlife Service and the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) to determine the presence of and potential impacts to listed species in the project area, and the result will be adopted by the New York District. The environmental assessment (including biological and Essential Fish Habitat assessments) for Cyclic Beach Replenishment at the Sandy Hook Unit was transmitted to the appropriate state and Federal agencies in July 2004. On August 24, 2005, NOAA/FS stated their concurrence with the NPS's determination that the proposed project is not likely to adversely affect any threatened or endangered species; therefore, no further consultation pursuant to Section 7 of the Endangered Species Act would be required under the purview of NOAA/FS.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places and the New Jersey Office of the State Historic Preservation Office (NJSHPO), it has been determined that eight (8) documented shipwrecks have been identified as potentially eligible cultural resources within the project vicinity. The applicant has coordinated with the NJSHPO to ensure that the requirements of Section 106 of the National Historic Preservation Act of 1966 are satisfied. In a letter dated September 17, 1999, NJSHPO concurred with the NPS's determination of No Adverse Effect to Historic Places.

Reviews of activities pursuant to Section 404 of the Clean Water Act will 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 the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occurs. For activities within the coastal zone of New Jersey State, the applicant's certification and accompanying information is available from the New Jersey Department of Environmental Protection, Bureau of Coastal Regulation, CN 401, 501 East State Street, Second Floor, Trenton, New Jersey 08625-0401, Telephone Number (609) 633-2289. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

CENAN-OP-RE
PUBLIC NOTICE NO. NAN-2004-1017-EJE

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- New Jersey Department of Environmental Protection

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8420 and ask for Stacey M. Jensen.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>


Richard L. Tomer
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, the National Park Service, has requested Department of the Army authorization for the installation of a sand slurry pipeline system that would utilize a permanent underground pipeline, approximately three (3) miles (15,100 feet) in length, along the Sandy Hook peninsula to periodically replenish sand, 0 to 100,000 cubic yards (CY) annually, to the southern beaches (critical zone) with sand from the accreting portions of Gunnison Beach at the northern end of Sandy Hook. The initial placement volume of sand slurry material to be placed on the southern beaches (critical zone) is proposed to be 20,000 CY. The site is located at Gunnison Beach and the critical zone southern beaches depicted in Sheet 3 in the Atlantic Ocean, at Gateway National Recreation Area in Sandy Hook, Monmouth County, New Jersey.

Sand Excavator System (Sheets 4 and 5):

The sand excavator would consist of a crawler-mounted crane with a 200-foot-long boom equipped with an eductor nozzle that is lowered into the intertidal zone. A jet water pump would supply nozzles on the eductor that would hydrate the sand into slurry. The seawater intake hose for this pump would be floating just offshore, screened with a metal mesh, and attached to a buoy. The slurry would then be drawn into a 10-inch diameter flexible hose by a 420-horsepower (HP) mobile booster pump. From the mobile booster pump, the slurry would be transported through approximately 1,500 feet of temporary above-ground 10-inch diameter pipe to a slurry collection tank that is 10-foot-wide and 10-foot-high.

Sand Transport System:

The sand would be transported from Gunnison Beach to the critical zones on the southern beaches (Sheet 3) through 15,100 linear feet of 10-inch diameter high density polyethylene (HDPE) pipe located in uplands buried with an estimated 1 foot to 2 feet of earth cover (Sheet 4). The alignment would begin near the landward side of the dune at Gunnison Beach, proceed to and advance along the east side of Atlantic Drive and then run along the east side of Hartshorne Drive to a point between Beach Areas "C" and "D" (Sheets 6-8). Three (3) discharge ports with valves from the main pipeline would be included to deposit sand in the area where it is most necessary. The discharge ports would be located at the terminus, at 1,100 feet and at 3,000 feet from the terminus. Three (3) diesel-powered booster pumps would be placed along the pipeline to ensure adequate pressure to move the sand slurry. The pumps would be located along Hartshorne Drive and Atlantic Drive and spaced at locations 1,130 feet, 2,850 feet, and 7,350 feet from the end of the slurry pipeline. The booster pumps would be portable and mounted on trailers or skids that would be placed on concrete pads in uplands measuring approximately 15-foot-wide by 20-foot-long. The booster pumps would be removed and stored off-site when not in use. The discharge pipe would allow the sand slurry to flow onto the beach near the intertidal zone in which the water from the slurry would drain into the surf zone of the Atlantic Ocean (Sheets 6-8). Most sand would be distributed by wave action minimizing the need for mechanical placement.

Sand Volumes and Pump Schedules:

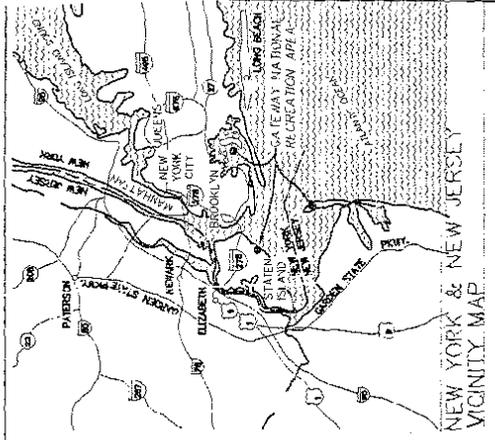
The pipeline and booster pumps are designed for a maximum flow of 100,000 CY per year. The sand would be pumped during the months of November through February. It is anticipated that

CENAN-OP-RE
PUBLIC NOTICE NO. NAN-2004-1017-EJE

sand would be pumped at a rate of 200 to 250 CY per hour not to exceed 2,000 CY per day. Based on the past several years of monitoring data, the current need for sand to maintain equilibrium at the southern beaches is approximately 20,000 to 30,000 CY per year. The quantity would depend on accretion at Gunnison Beach and on the volume of sand lost at the deposition site over the previous year. The dimensions of the excavated area (Sheet 4) produced by the stationary dredge are expected to be approximately 150-feet-long by 60-feet-wide by 6-feet-deep within the total borrow area of 1000-feet-long by 200-feet-wide. The excavation would be conducted in the intertidal zone and on the attached migratory shoal where the slurry mixing would be more efficient. A crane, situated near the berm above the spring high tide line, would suspend the pipe and dredge (eductor assembly) out into the intertidal zone where the dredge is able to excavate a trench without moving its location (Sheet 5). Typically, the dredge would remain in one stationary location all day as it dredges in the intertidal zone. Depending on the amount of sand in the migrating bars, the crane would stay in its location as new sand became available, or would move up to three (3) times that distance to acquire more sand in the bar. At the most the dredge area would cover up to 150 feet in length. Each time the dredge moves, the depression left behind is anticipated to fill within two (2) tide cycles from the natural current and sediments because of the location in the intertidal zone.

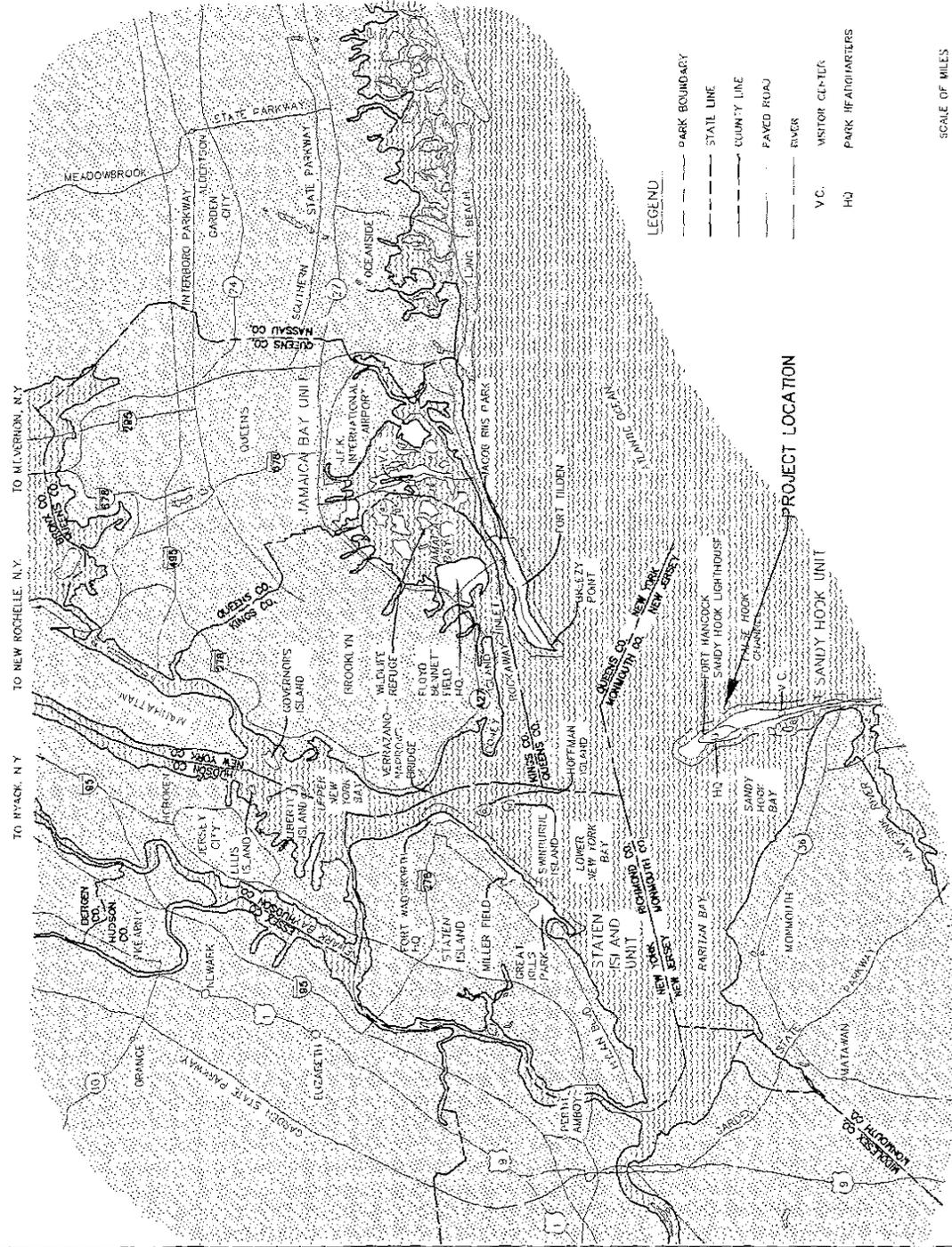
The environmental assessment (including biological and Essential Fish Habitat assessments) for Cyclic Beach Replenishment at the Sandy Hook Unit was transmitted to the appropriate state and Federal agencies in July 2004. On August 24, 2005, NOAA/FS stated their concurrence with the NPS's determination that the proposed project is not likely to adversely affect any threatened or endangered species; therefore, no further consultation pursuant to Section 7 of the Endangered Species Act would be required under NOAA/FS purview.

The stated purpose of this project is to offset the sand deficit at the southern eroding beaches to prevent overwash and breaching of the Sandy Hook peninsula. The project would enable the park to provide long-term maintenance of recreational bathing beaches, protect utilities and park infrastructure, protect resources, and insure vehicle access for visitors, residents, Coast Guard Station, marine fisheries lab, and other organizations on Sandy Hook.

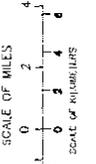


INDEX

SHEET	SLB	TITLE OF SHEET
1	C1	CONCRETE ANCHORS
2	C2	PIPELINE ALIGNMENT STA. 00+00 TO STA. 25+00
3	C3	PIPELINE ALIGNMENT STA. 25+00 TO STA. 50+00
4	C4	PIPELINE ALIGNMENT STA. 50+00 TO STA. 75+00
5	C5	PIPELINE ALIGNMENT STA. 75+00 TO STA. 100+00
6	C6	PIPELINE ALIGNMENT STA. 100+00 TO STA. 125+00
7	C7	PIPELINE ALIGNMENT STA. 125+00 TO STA. 150+00
8	C8	PIPELINE ALIGNMENT STA. 150+00 TO STA. 175+00
9	C9	PIPELINE ALIGNMENT STA. 175+00 TO STA. 200+00
10	C10	PIPELINE ALIGNMENT STA. 200+00 TO STA. 225+00
11	C11	PIPELINE ALIGNMENT STA. 225+00 TO STA. 250+00
12	C12	PIPELINE ALIGNMENT STA. 250+00 TO STA. 275+00
13	C13	PIPELINE ALIGNMENT STA. 275+00 TO STA. 300+00
14	C14	PIPELINE ALIGNMENT STA. 300+00 TO STA. 325+00
15	C15	PIPELINE ALIGNMENT STA. 325+00 TO STA. 350+00
16	C16	PIPELINE ALIGNMENT STA. 350+00 TO STA. 375+00
17	C17	PIPELINE ALIGNMENT STA. 375+00 TO STA. 400+00
18	C18	PIPELINE ALIGNMENT STA. 400+00 TO STA. 425+00
19	C19	PIPELINE ALIGNMENT STA. 425+00 TO STA. 450+00
20	C20	PIPELINE ALIGNMENT STA. 450+00 TO STA. 475+00
21	C21	PIPELINE ALIGNMENT STA. 475+00 TO STA. 500+00
22	C22	PIPELINE ALIGNMENT STA. 500+00 TO STA. 525+00
23	C23	PIPELINE ALIGNMENT STA. 525+00 TO STA. 550+00
24	C24	PIPELINE ALIGNMENT STA. 550+00 TO STA. 575+00
25	C25	PIPELINE ALIGNMENT STA. 575+00 TO STA. 600+00
26	C26	PIPELINE ALIGNMENT STA. 600+00 TO STA. 625+00
27	C27	PIPELINE ALIGNMENT STA. 625+00 TO STA. 650+00
28	C28	PIPELINE ALIGNMENT STA. 650+00 TO STA. 675+00
29	C29	PIPELINE ALIGNMENT STA. 675+00 TO STA. 700+00
30	C30	PIPELINE ALIGNMENT STA. 700+00 TO STA. 725+00
31	C31	PIPELINE ALIGNMENT STA. 725+00 TO STA. 750+00
32	C32	PIPELINE ALIGNMENT STA. 750+00 TO STA. 775+00
33	C33	PIPELINE ALIGNMENT STA. 775+00 TO STA. 800+00
34	C34	PIPELINE ALIGNMENT STA. 800+00 TO STA. 825+00
35	C35	PIPELINE ALIGNMENT STA. 825+00 TO STA. 850+00



- LEGEND
- PARK BOUNDARY
 - STAIL LINE
 - COUNTY LINE
 - PAVED ROAD
 - RIVER
 - VC. VISITOR CENTER
 - HQ. PARK HEADQUARTERS

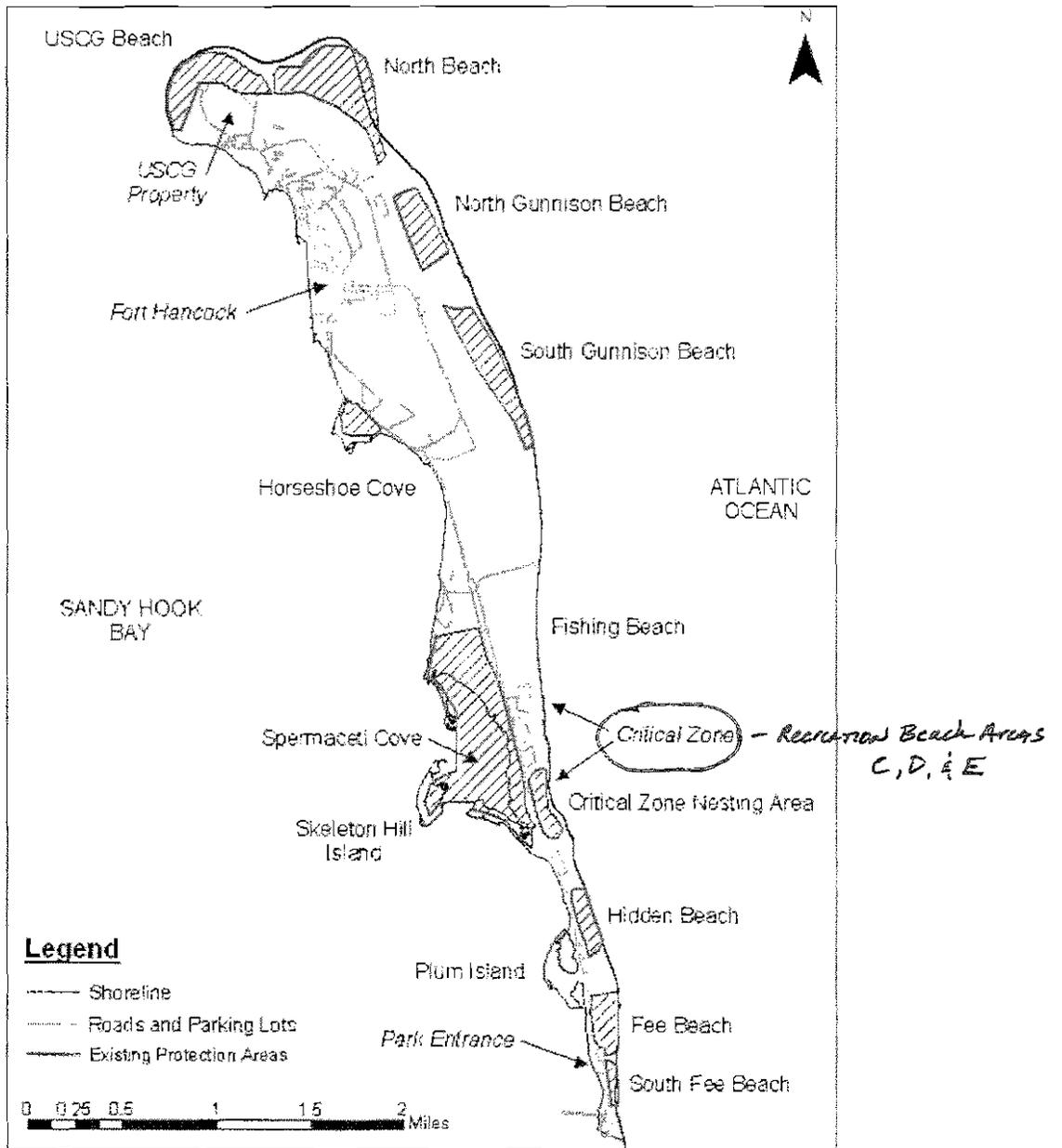


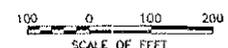
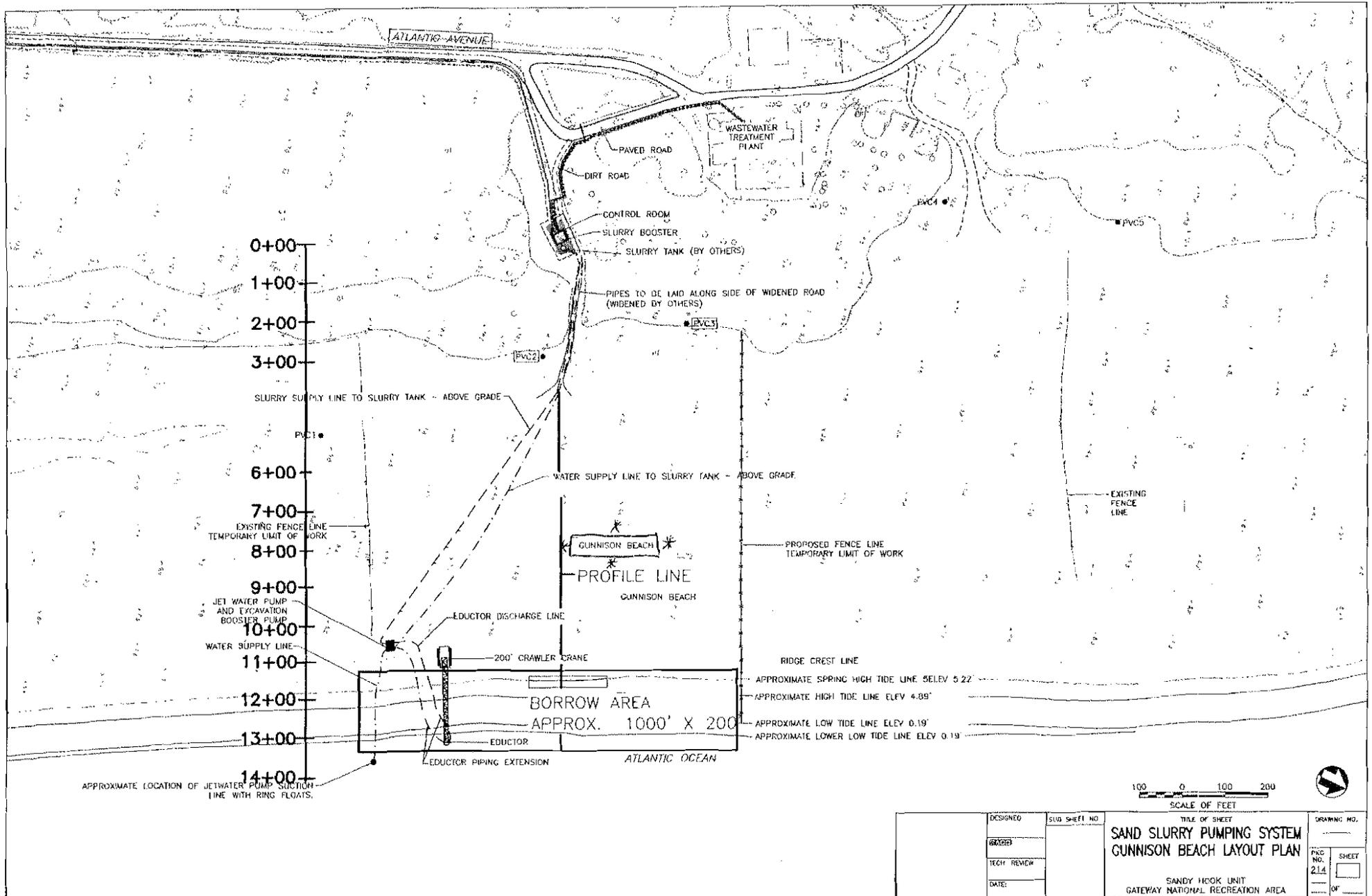
SANDY HOOK UNIT
GATEWAY NATIONAL RECREATION AREA

AVS:ERN P:RAC HRP:ENGINEERING, INC.	DATE: 10/17/17 REVISION:	QUALITY DESIGN (CERTIFICATION) <input type="checkbox"/> Drawn by: [Name] <input type="checkbox"/> Checked by: [Name] <input type="checkbox"/> Reviewed by: [Name] <input type="checkbox"/> Approved by: [Name]	PERMITS: 066446 14.3NY-G00409-20 UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE DENVER SERVICE CENTER	FRAMES: 10 546 SHEET 42231 SAND SLURRY PIPELINE COVER SANDY HOOK UNIT GATEWAY NATIONAL RECREATION AREA
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2-16-01017 National Park Service - Sandy Hook

Figure 1. The Sandy Hook Unit of Gateway NRA and the location of existing protection areas within the Park. The position of the shoreline changes often, and the protection areas shift accordingly; the shoreline at North Beach has shifted west since the protection area was mapped.

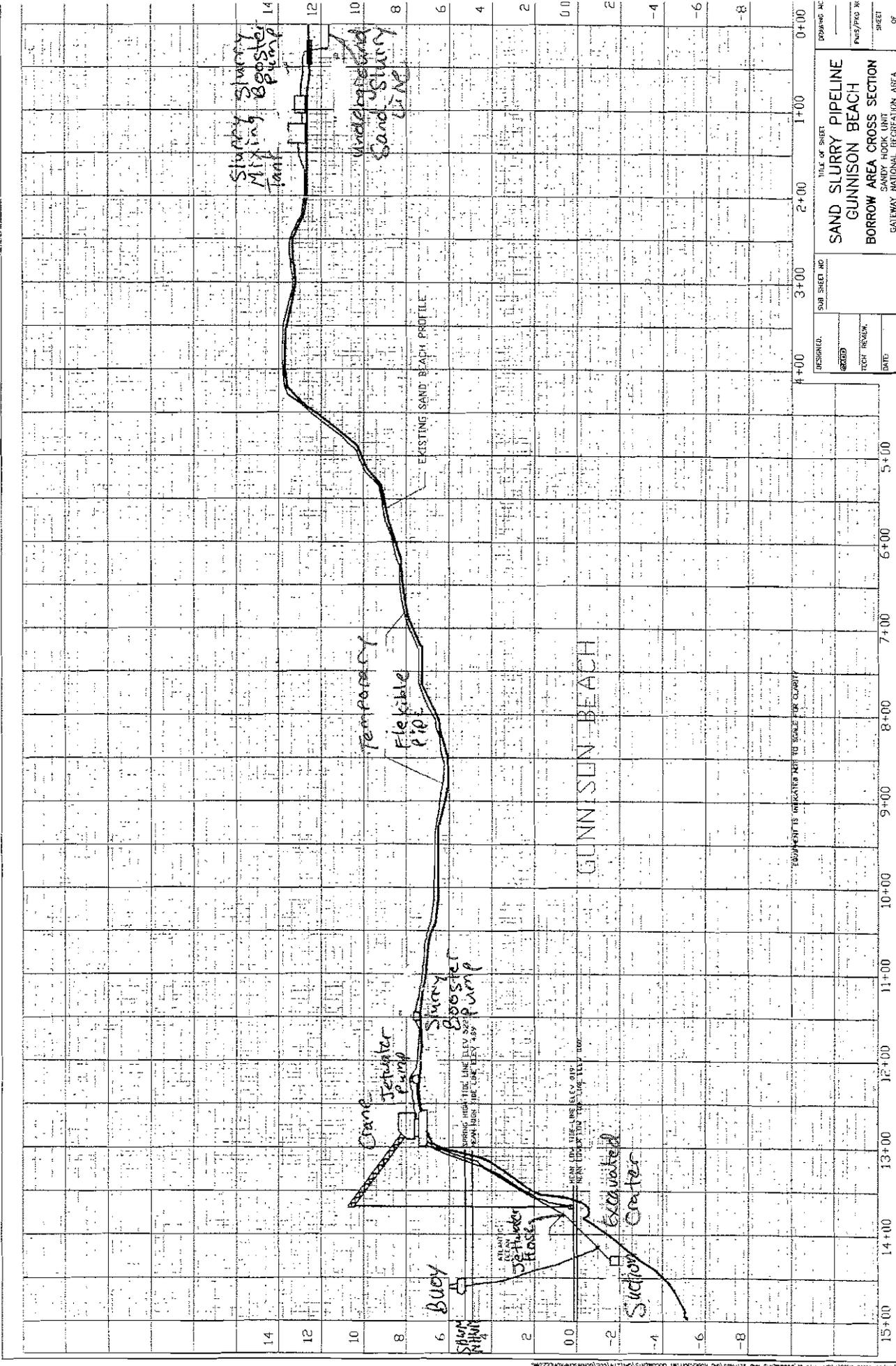




DESIGNED	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
GRADE		SAND SLURRY PUMPING SYSTEM	
TECH REVIEW		GUNNISON BEACH LAYOUT PLAN	
DATE:		SANDY HOOK UNIT GATEWAY NATIONAL RECREATION AREA	P&C No. 21A SHEET 1 OF

2004-1017-EJE
National Park Service

4 of 8



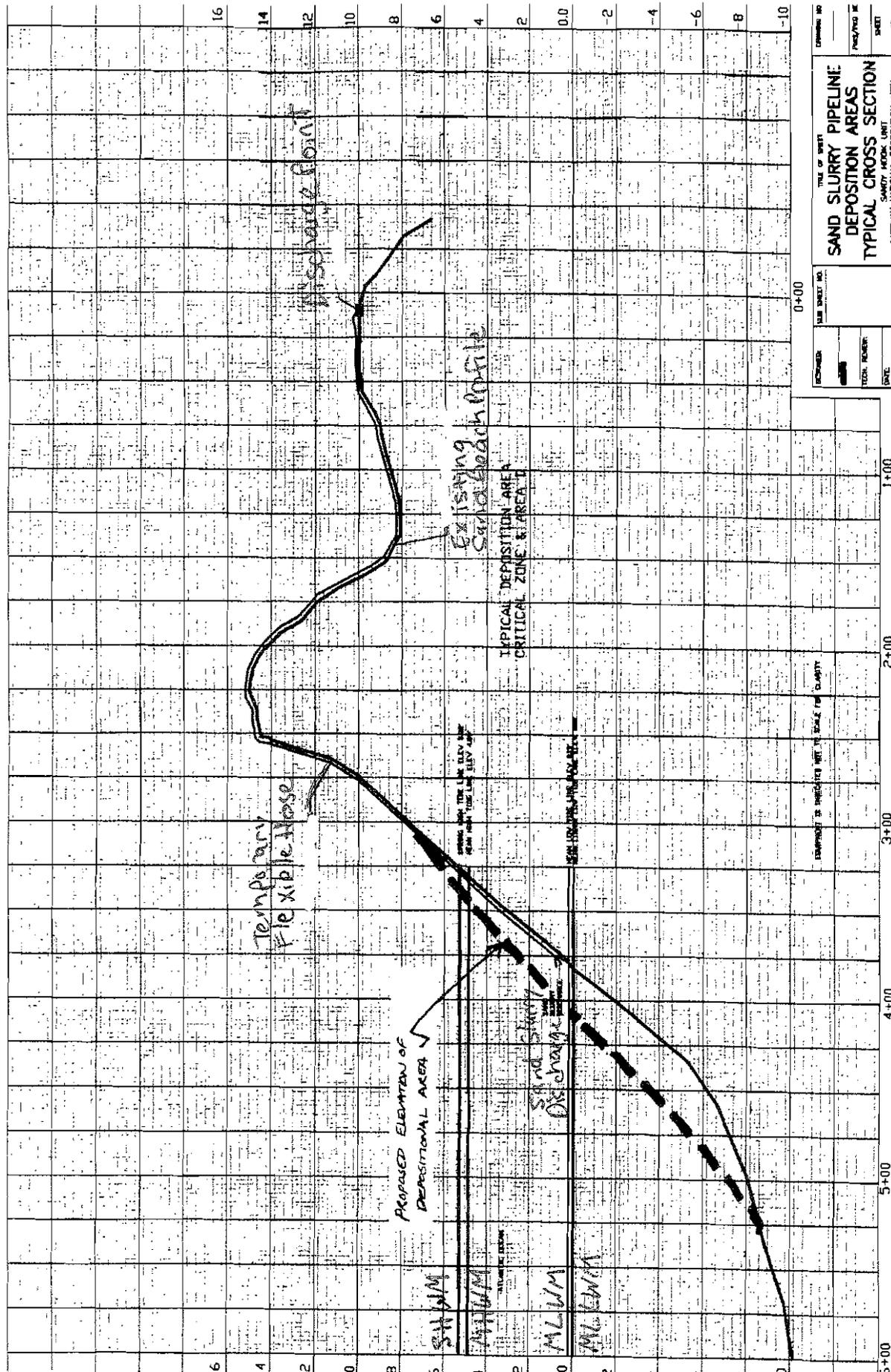
DESIGNED BY: _____
 CHECKED BY: _____
 TECH. REVIEW: _____
 DATE: _____

SUB SHEET NO. _____
 TITLE OF SHEET
**SAND SLURRY PIPELINE
 GUNNISON BEACH
 BORROW AREA CROSS SECTION**
 SANDY HOOK UNIT
 GATEWAY NATIONAL RECREATION AREA

DRAWING NO. _____
 PWS/PROJ. NO. _____
 SHEET _____ OF _____

2004-1017-EJE
 National Park Service

5 of 8



NATIONAL PARK SERVICE 60F8
 JULY 2007
 2004-1017-EJE

