



**US Army Corps
of Engineers**
Philadelphia District
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No. **CENAP-OP-R-2008-0777** Date **FEB 26 2015**

Application No. File No.

In Reply Refer to:
REGULATORY BRANCH

Reference is made to Department of the Army Permit CENAP-OP-R-2008-0777-39 issued on June 14, 2012 which authorized Fishermen's Energy of New Jersey LLC to install six (6) wind turbines in the Atlantic Ocean, approximately 2.8 nautical miles east of Atlantic City, Atlantic County, New Jersey. Notice is hereby given that the District has received an application from Fishermen's Energy LLC to modify the above referenced Department of the Army permit.

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit modification for the work described below.

APPLICANT: Fishermen's Energy of New Jersey, LLC

AGENT: Mr. Charles R. Harman
AMEC Earth and Environmental
285 Davidson Avenue
Suite 405
Somerset, New Jersey 088673

WATERWAY: Atlantic Ocean

LOCATION: Approximately 2.8 miles east of Atlantic City, Atlantic County, New Jersey

PREVIOUS AUTHORIZED WORK: The above referenced Department of the Army Permit issued on June 14, 2012, authorized the following work:

Pile driving of eighteen (18) forty eight (48) inch diameter piles placed in the openings on the three ends of the jacketed foundation structure. The pole and nacelle will be attached to the jacketed foundation, comprising the turbine structure.

Placement of approximately four (4) to six (6) inch filter stone and twelve (12) to fifteen (15) inch armor stone around each of the six (6) turbines, impacting seven tenths (0.7) of an acre per turbine.

Submarine electric transmission cables, four and one half (4.5) inches in diameter will run in series from the outermost turbines to turbine number 3. The cables between the turbines will be installed using a jet plow that will jet the cable into the substrate. The proposed cables will be

buried to a depth of approximately nine (9) feet below existing grade. From turbine number 3, one eight (8) inch in diameter cable will carry all of the electricity from the proposed 6 turbines, in alternating current at 35 kV, 600 Amps, to a location approximately eighteen hundred (1800) feet from the shoreline. A cable will be directionally drilled from shore to connect to the cable from the turbines.

PROPOSED PERMIT MODIFICATION: In a letter dated December 3, 2014, Fishermen's Energy, LLC requested that this office modify the above referenced Department of the Army permit. The following changes have been requested:

The permittee would install six (6) 4 megawatt turbines, with a maximum output of approximately twenty five (25) megawatts. Each of the three (3) turbine blades would be two hundred thirteen (213) feet long, as opposed to the previously approved one hundred ninety two (192) foot long blade. The turbine hub height would be up to two hundred ninety seven (297) feet above mean high water, as opposed to three hundred (300) feet above mean high water. The lowest the turbine blades would be during rotation is eighty (80) feet above mean high water as opposed to one hundred (100) feet, and the highest the turbine blade would be during rotation would be five hundred seven (507) feet above mean high water as opposed to five hundred (500) feet.

The jacket foundations would be changed, requiring the installation of four (4) eighty four (84) inch piles that would be driven through ninety (90) inch sleeves used to support the turbine. The issued permit authorized a monopole installation and was modified to allow for the installation of a total of eighteen (18) forty eight (48) inch diameter piles. The piling sleeves are incorporated into the base of the turbine structure. The work would be performed using either a jack-up barge or a floating crane barge. The maximum sound generation for each pile would be approximately 199 dB (re 1 uPa) at the source, which as not charged from the previously approved permit. The structural braces for the towers would be seventy two (72) inches in diameter and would be located laterally along the foundation. Due to the redesign of the towers, there will be no need for the placement of filter or armor stone at the project sites. No discharge of dredged or fill material is now proposed for the installation of the individual wind turbines.

All submarine electric cables would be buried to a target depth of approximately six (6) feet below mean low water as opposed to nine (9) feet. The depth of the cable below the Federal beach nourishment project along the Atlantic City Beach will be twenty (20) feet instead of twenty seven (27) feet under the beach. The cable that would run from the turbines to the shore would be five (5) inches in diameter as opposed to eight (8) inches in diameter.

The applicant has also requested that the expiration date of the permit be extended from December 31, 2015 to July 31, 2018.

All remaining aspects of the project, including staging sites, vessel traffic, color and labeling of the turbines, seasonal restriction and maintenance schedules would remain unchanged from that previously approved by this office.

The project purpose has not changed as a result of the design changes.

is currently preparing an Environmental Assessment for the proposed project, and the Corps is a cooperating agency in the preparation of the EA. Fishermen's Energy the DOE, and the Corps are currently engaged in an informal consultation under Section 7 of the Endangered Species Act with the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS), Protected Resources Division and with the NMFS, Habitat Conservation Division, concerning potential impact to Essential Fish Habitat as required under the Magnuson-Stevens Fishery Conservation and Management Act. Fishermen's Energy and the DOE are in consultation with the US Environmental Protection Agency (EPA) regarding the preparation of a General Conformity Applicability Analysis to ensure that the project will not exceed EPA Air Quality Standards. A final permit decision will not be rendered by the Corps until DOE has finalized the EA and the Corps can insure compliance with all applicable regulations.

The decision whether to issue a permit modification will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit modification will be granted unless the District Engineer determines that it would be contrary to the public interest.

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 modify the existing 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 the 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.

Comments on the proposed work should be submitted, in writing, within 30 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

Three terrestrial and one marine cultural resources investigations were previously conducted in the vicinity of the permit area and are referenced in Appendix L: Results of the Archaeological, Cultural and Historical Resources Review of the "Multiple Permit Application, Fisherman's Atlantic City Windfarm, LLC: 20 MW Offshore Wind Energy Project" prepared by AMEC and dated October 6, 2009. The USACE, in consultation with the DOE, the SHPO and the Tribes will ensure that the proposed permit action will avoid, minimize, or mitigate any adverse effects to historic properties eligible for or listed on the National Register of Historic Places.

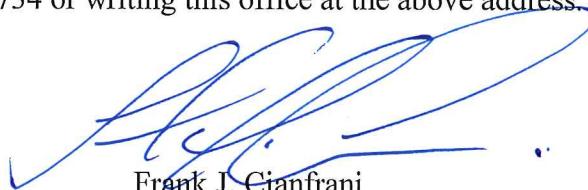
In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed activity on the State's coastal zone should be sent to this office, with a copy to the State's Office of Coastal Zone Management.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest 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.

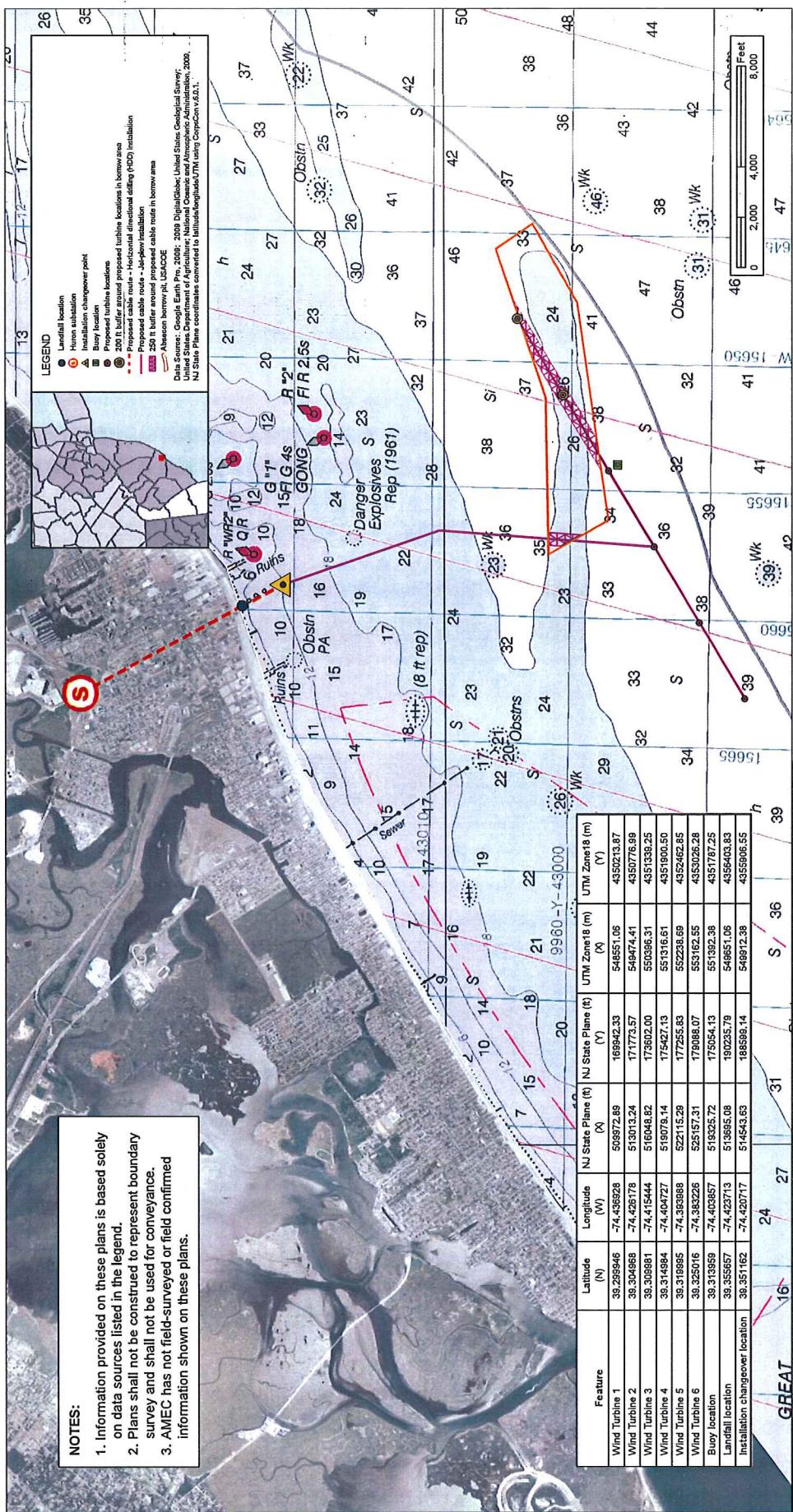
Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling Lawrence M. Slavitter at 215-656-6734 or writing this office at the above address.

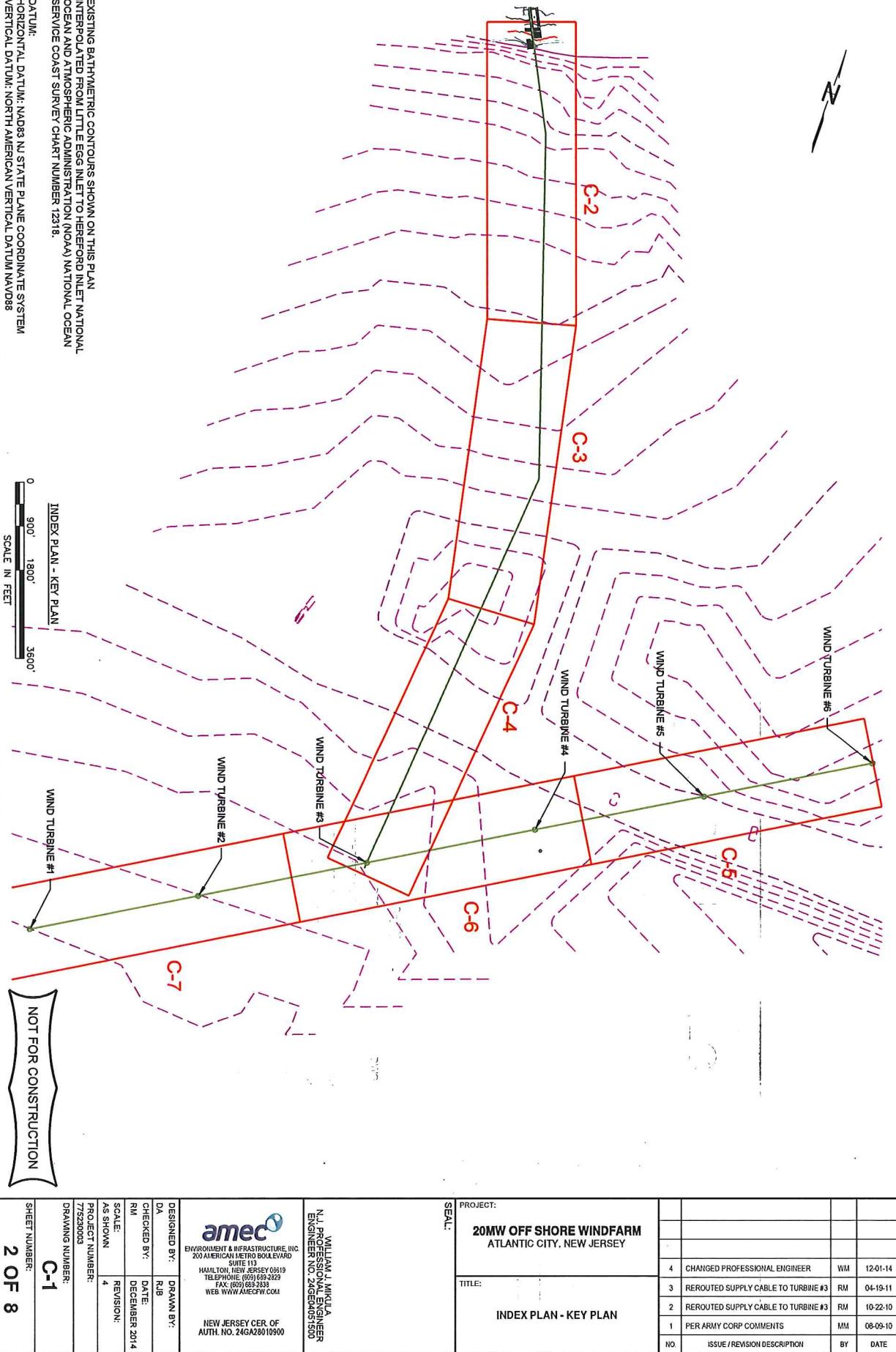


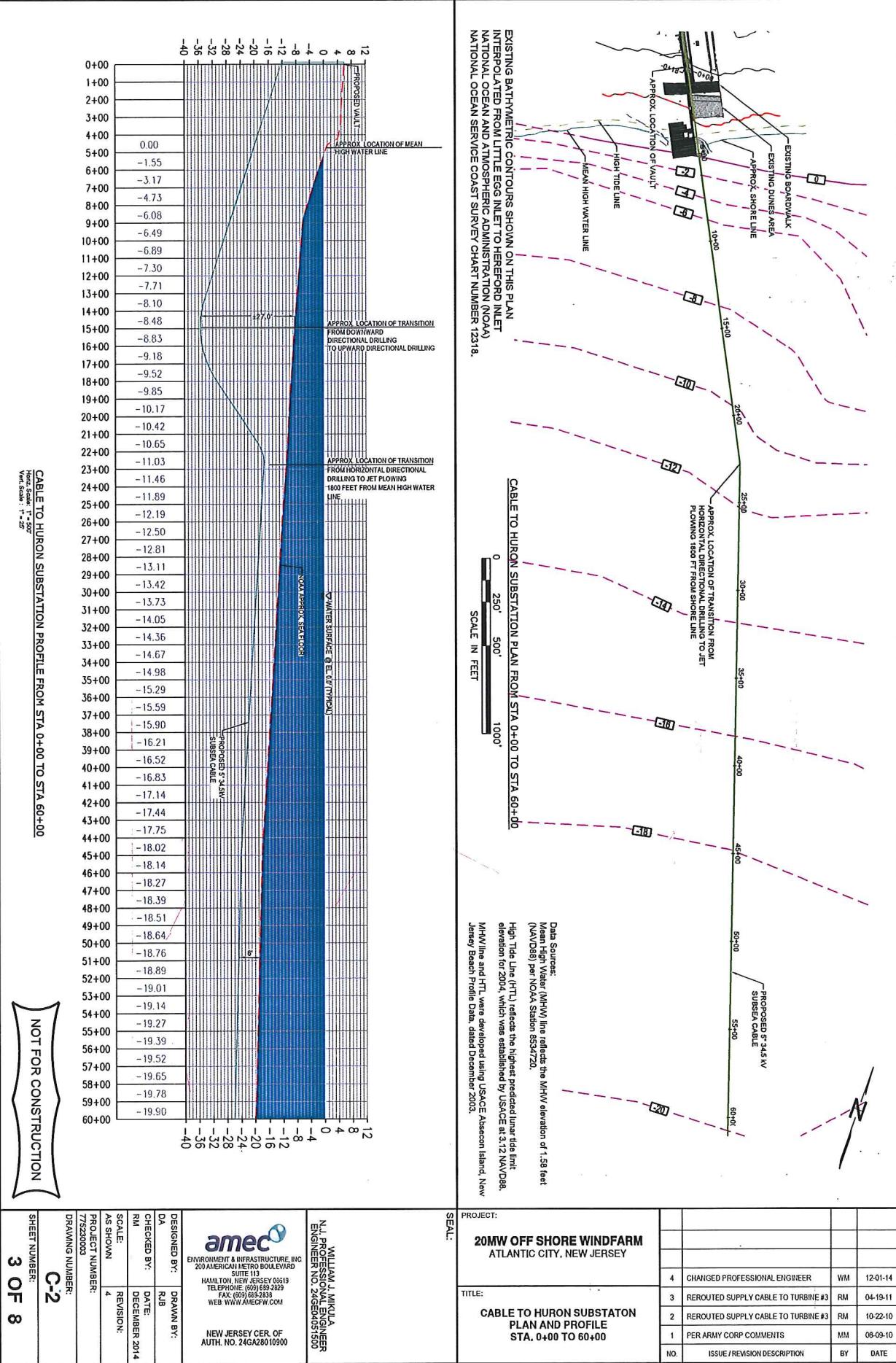
Frank J. Cianfrani
Chief, Regulatory Branch

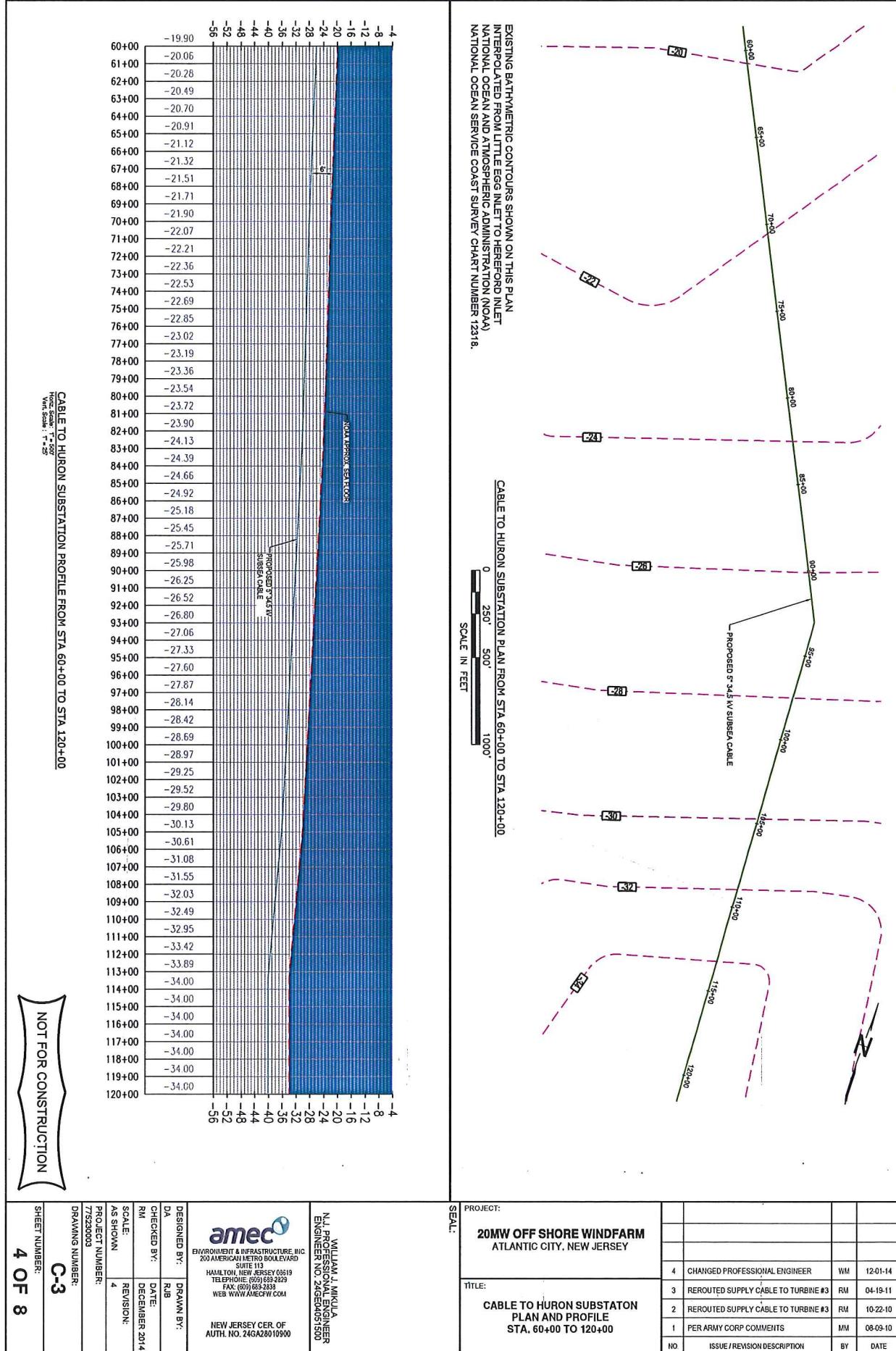
SUMMARY OF REQUESTED CHANGES -- USACE SECTION 10 PERMIT	
Currently Permitted	Revision Sought
FOUNDATIONS	
1 Installation of six (6) jacket foundations	Installation of six (6) modified (twisted) jacket foundations
2 Pile driving of eighteen (18) forty-eight (48) inch diameter pilings	Pile driving of up to twenty four (24) eighty-four inch diameter pilings
3 Placement of 4-6 inch filter stone and 12-15 inch armour stone around each of the six (6) turbines	Scour protection eliminated
4 Foundations will be installed using a jack-up barge	Foundations will be installed using a jack-up or floating crane barge
WIND TURBINE	
5 Center point of the turbine hub: 306 ft above MHW Blade length of 192 ft Lowest point of blade rotation at 117 ft above water surface Highest point of blade rotation at 494 ft above water surface	Center point of the turbine hub: 294 ft above MHW Blade length of 213 ft Lowest point of blade rotation at 80 ft MHW above water surface Highest point of blade rotation at 507 ft above MHW surface
TRANSMISSION CABLE	
6 Offshore electrical transmission cable burial to a depth of approximately nine (9) feet	Burial to a target depth of six (6) feet
7 Transmission cable diameter of eight (8) inches	Transmission cable diameter of five (5) inches
DURATION	
8 Time limit for performing work authorized ends Dec 31, 2015	Request extension for performance of work until July 31, 2018

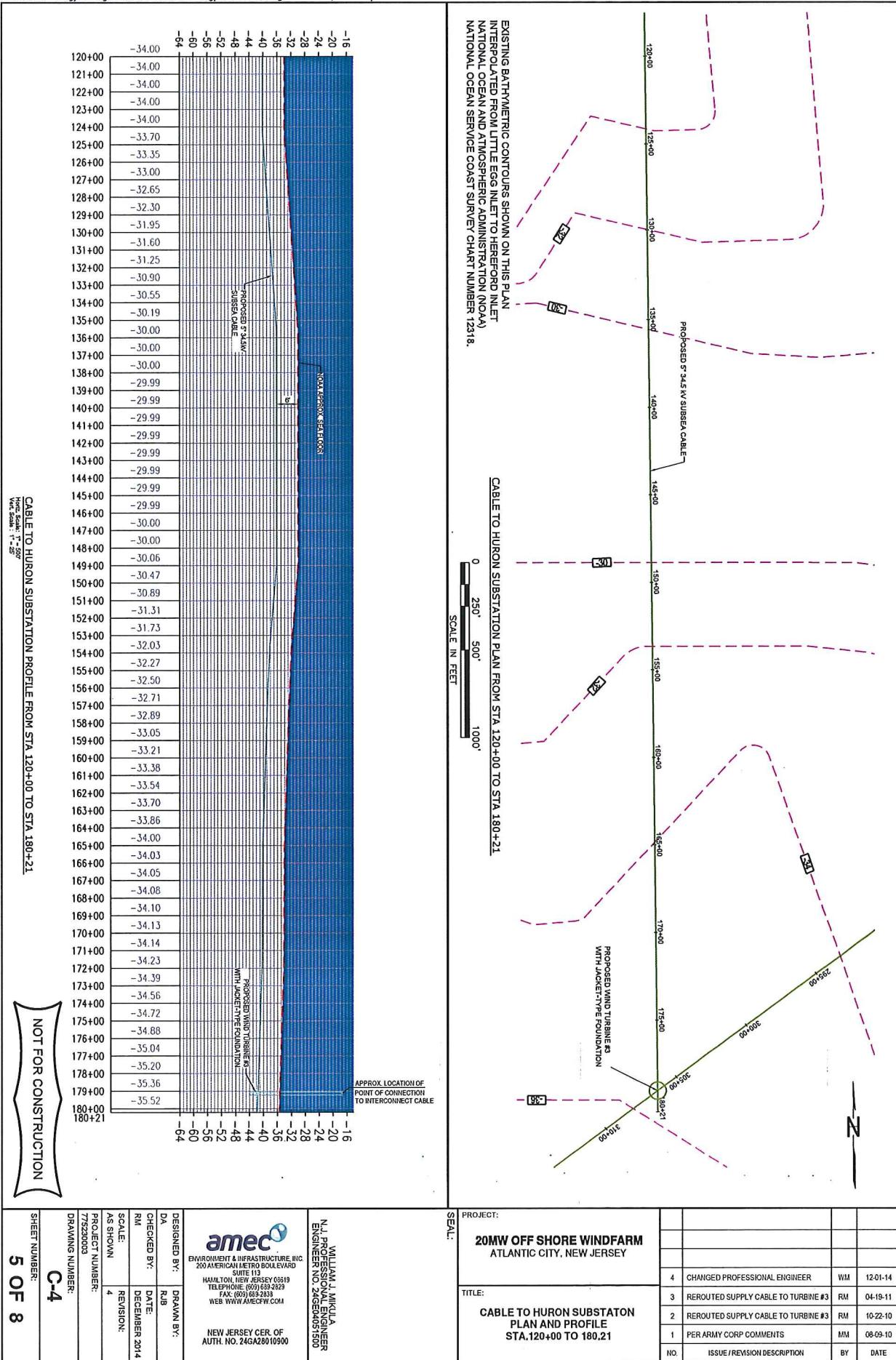


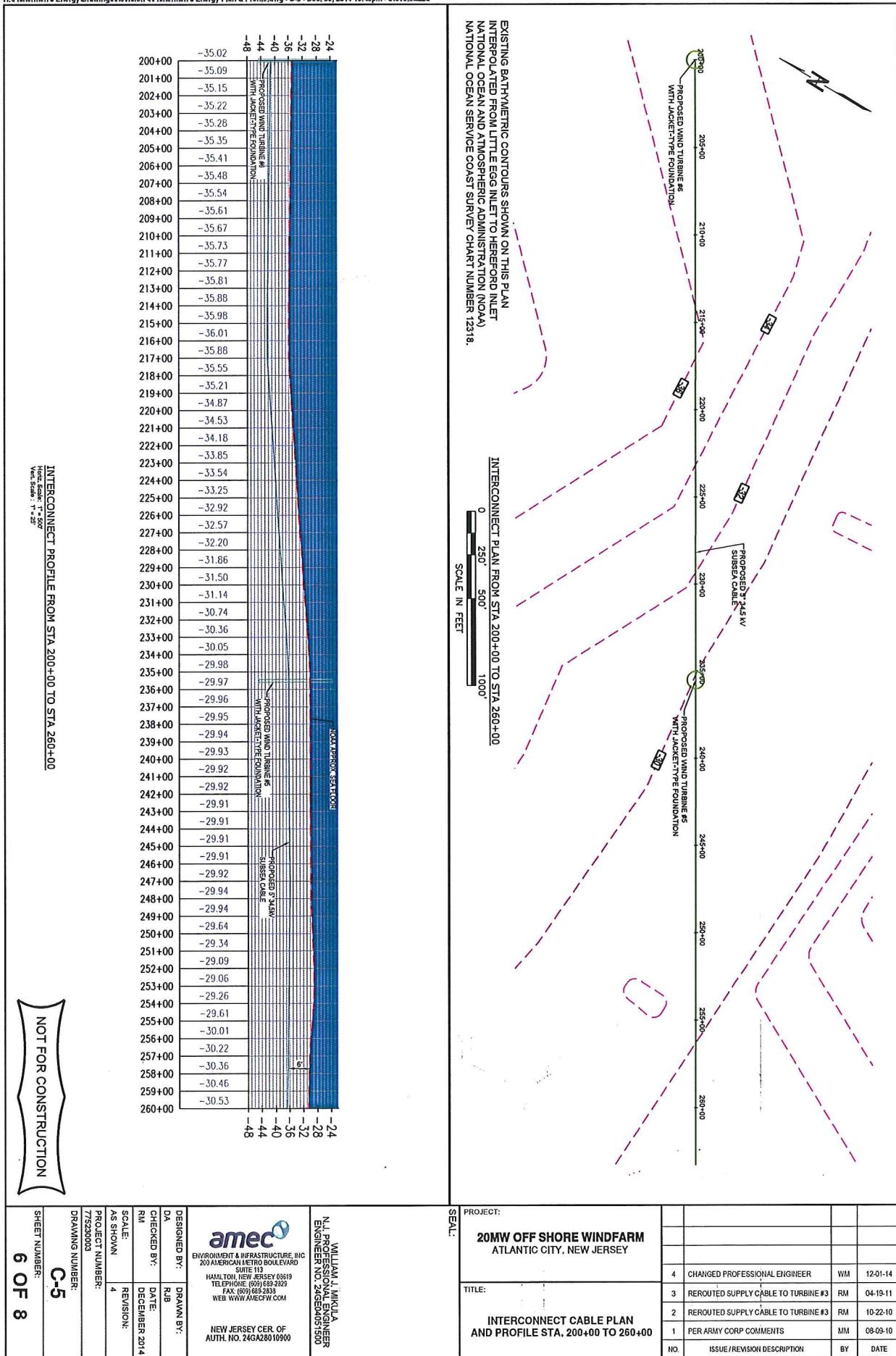
NOT FOR CONSTRUCTION

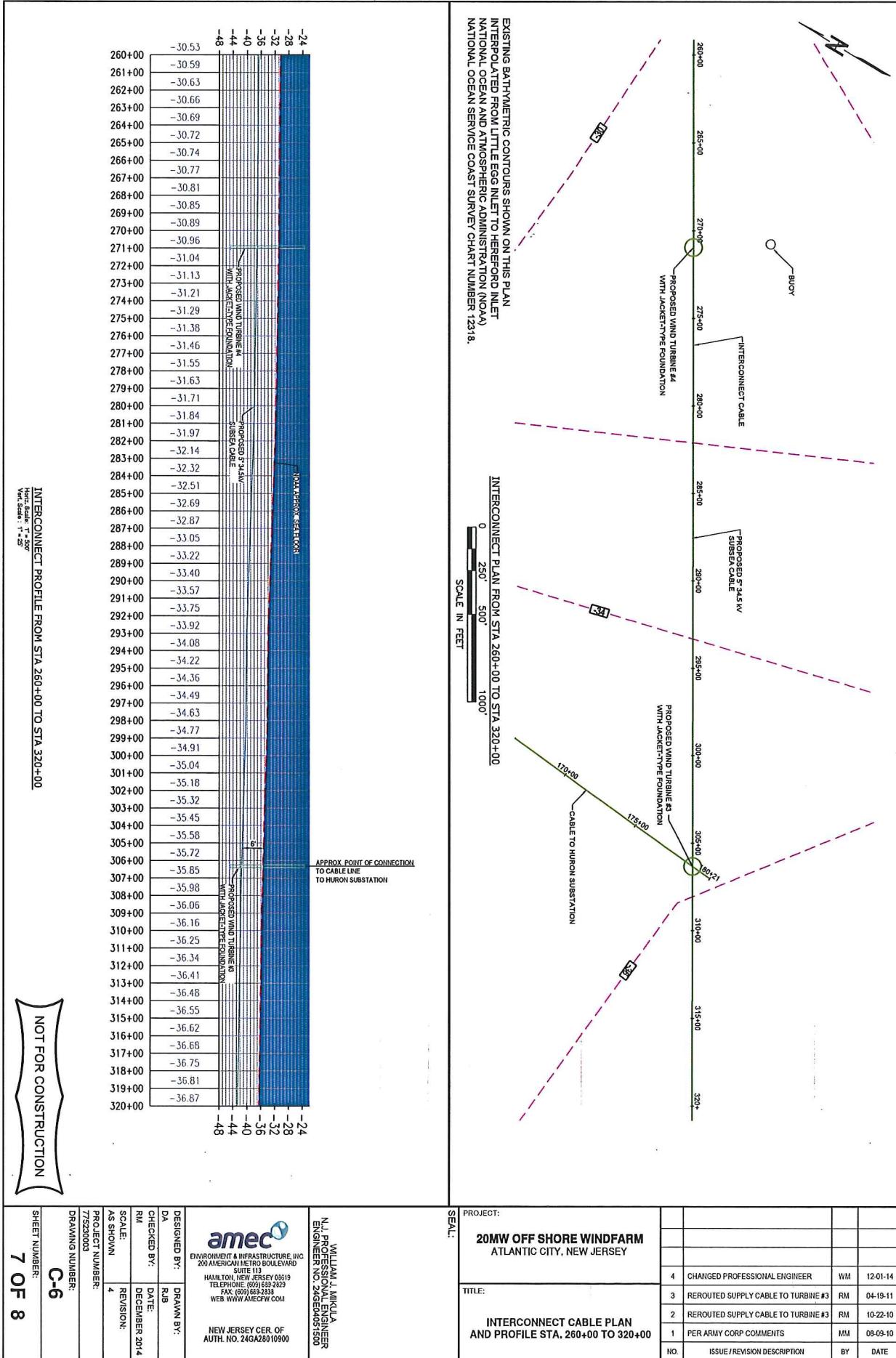


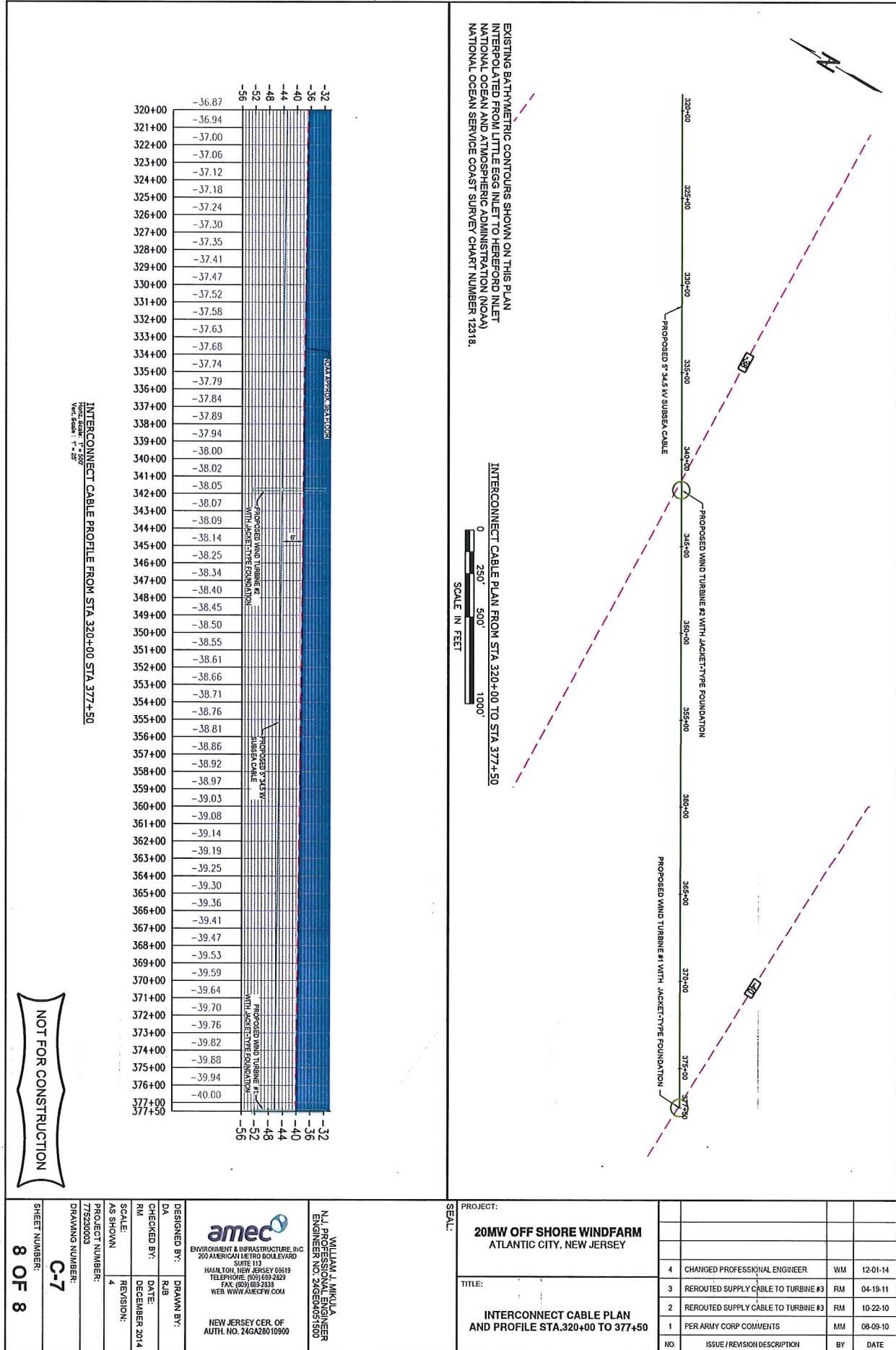


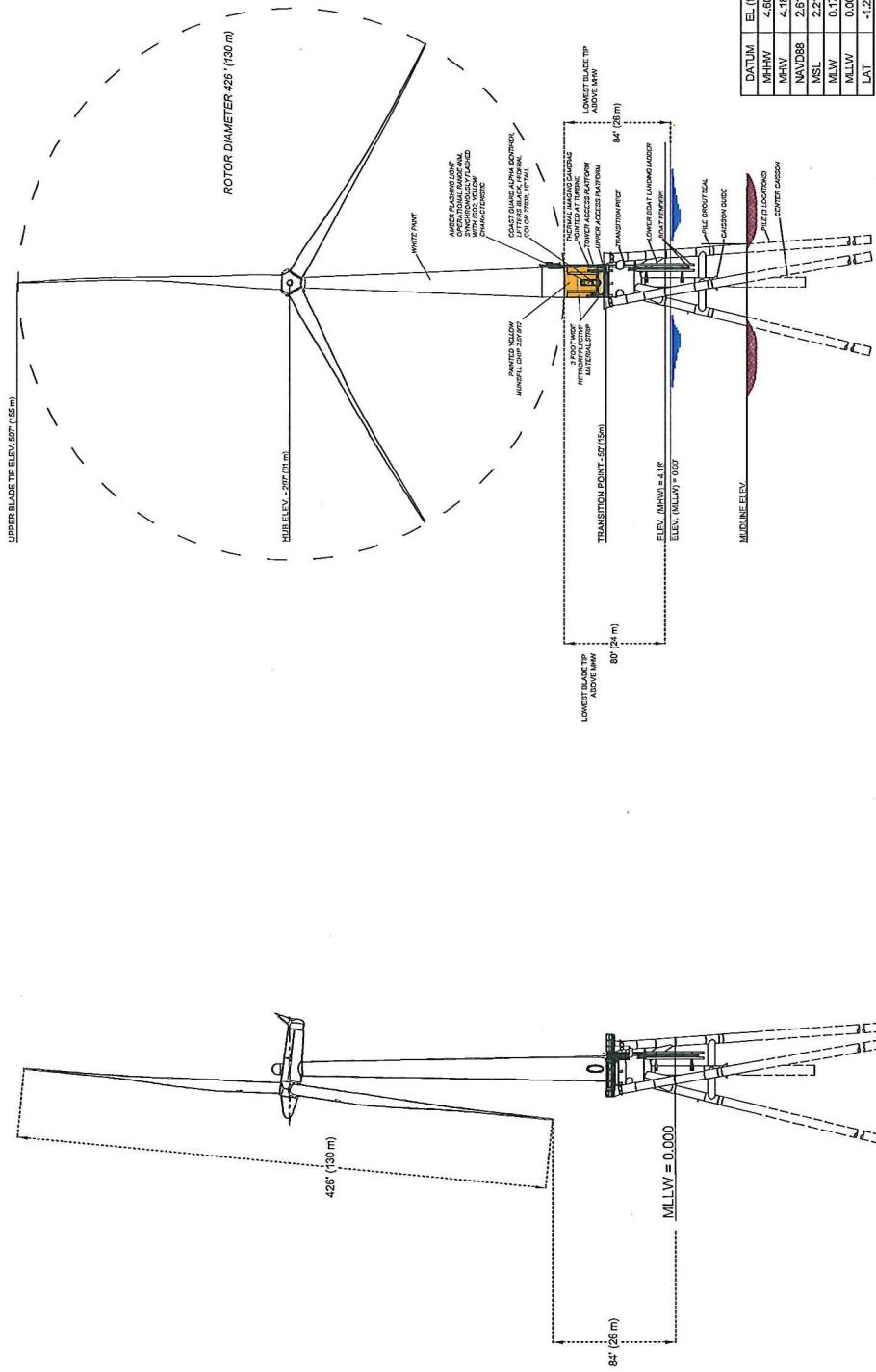












CLIENT FISHERMEN'S ATLANTIC CITY WINDFARM, LLC		PROJECT 25MW OFFSHORE WIND PROJECT ATLANTIC CITY, NEW JERSEY		REV. NO.: 0
DVN BY: CHKD BY:	PJK CH	DATUM:	TITLE MWh	DATE: FEBRUARY 16, 2015
				PROJECT NO: 77523003
				FIGURE No. 1
amec AMEC Environment & Infrastructure 285 DAVIDSON AVENUE, SUITE 405 SOMERSET, NEW JERSEY 08873		WIND TURBINE DETAIL		APPROXIMATE SCALE: N.T.S.

