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-2020-01079-EME
Issue Date: January 6, 2021
Expiration Date: February 26, 2021

ANNOUNCEMENT OF PUBLIC HEARINGS AND REQUEST FOR PUBLIC COMMENT

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: South Fork Wind, LLC

ACTIVITY: Construct a windfarm, export cable, and operations/maintenance facility

WATERWAY: Atlantic Ocean and Lake Montauk

LOCATION: BOEM Renewable Energy Lease Area OCS-A 0517 (Deepwater Wind South Fork, LLC lease area), export cable landfall in Town of East Hampton, Suffolk County, New York, operations and maintenance facility in Lake Montauk, Town of East Hampton, Suffolk County, New York.

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 EMAILED TO **CENAN.PublicNotice@usace.army.mil** TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

The Corps of Engineers is serving as one of the cooperating agencies involved in the preparation of an Environmental Impact Statement by the Bureau of Ocean Energy Management (BOEM). A Notice of Availability for the Draft Environmental Impact Statement (DEIS) will be posted on the BOEM website on January 8, 2021, and can be viewed at https://www.boem.gov/renewable-energy/state-activities/south-fork. Comments on the DEIS may be submitted directly to BOEM at https://www.boem.gov/renewable-energy/state-activities/south-fork.

BOEM will also conduct three (3) public meetings in the project area to receive comments on the DEIS. Pursuant to public hearing requirements described in 33 CFR 327, the Corps of Engineers will jointly participate in all three (3) of the public meetings/hearings, as listed below, to gather information on this proposal to assist in the review of the Department of the Army permit application for the proposed activity and will consider public comments on the material matters at issue with respect to activities regulated by the Corps. Please note that for comments and information specific to the Corps of Engineers action, according to procedures described in 33 CFR 327, the hearing will not include discussion or responses to comments expressed by speakers. The date and time of the joint Corps of Engineers public hearings/BOEM DEIS public meetings are as follows, all hearings are virtual; links to the hearing/meeting information may be found at https://www.boem.gov/renewable-energy/state-activities/south-fork.

Joint Corps of Engineers Public Hearings/BOEM DEIS Public Meeting Dates and Start Times:
Thursday, February 9, 2021: 5:00 pm
Tuesday, February 11, 2021: 1:00 pm
Thursday, February 16, 2021: 5:00 pm

As the lead federal agency, BOEM is reviewing the project for potential impacts on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. BOEM is coordinating with the NMFS and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

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 water quality certificates or waivers from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

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). Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted by BOEM as the lead federal agency and will be concluded prior to the final decision.

Based on their initial review, the BOEM has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

The states of New York, Massachusetts and Rhode Island have approved Coastal Zone Management Programs. 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(s). 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 occur.

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:

- Bureau of Ocean Energy Management
- New York State Department of Public Service
- New York State Department of Environmental Conservation

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) 790-8428 and ask for Lisa Grudzinski.

In order for us to better serve you, please complete our Customer Service Survey located at http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx.

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

RYBA.STEPHAN.A.1375342223 Digitally signed by RYBA.STEPHAN.A.1375342223 Date: 2021.01.06 14:29:08 -05'00'

Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, South Fork Wind, LLC, has requested Department of the Army authorization for construction of a wind energy project including associated structures and facilities in the Atlantic Ocean and Lake Montauk, Town of East Hampton, Suffolk County, New York.

The work would involve:

South Fork Wind Farm (SFWF): Construct up to fifteen (15) offshore wind turbine generators (WTGs) on steel monopile foundations, scour protection around the base of the WTGs, submarine inter-array cables connecting the WTGs, and one (1) offshore substation (OSS) located in the Atlantic Ocean on the Outer Continental Shelf (OCS) within BOEM Renewable Energy Lease Area OCS-A 0517, approximately 19 miles southeast of Block Island, Rhode Island and 35 Miles east of Montauk Point, Suffolk County, New York. Each monopile foundation diameter would be up to approximately 36-feet in diameter, installed by pile driving with a hydraulic hammer. Each monopile foundation would be protected with rock scour protection, up to approximately 225-feet in diameter. With scour protection, the proposed footprint of each monopile foundation would be approximately 40,000 square feet. The total maximum footprint for the monopile foundations would be approximately 14.6 acres. The proposed temporary seabed disturbance to the seafloor would be approximately 1,175 acres. The total proposed 6 to 12-inch diameter inter-array cable length would be approximately 21.4 miles with a total maximum footprint of approximately 2.5 acres. It is anticipated that approximately two miles of inter-array cable would require cable protection, with a total permanent footprint of 10.2 acres, with an additional approximately 7.5 acres of protection at approach to foundation. The OSS would collect the electric energy generated by the WTGs through the inter-array cables for transmission through the South Fork Export Cable (SFEC) to the onshore interconnection facility. The OSS would be co-located on a WTG or located separately on a foundation like those used for the WTGs.

Inter-Array cable installation method: proposed equipment may include mechanical cutter, mechanical plow (with jetting), and/or jet plow.

South Fork Export Cable (SFEC): Install an approximately 12-inch diameter cable approximately 61.4 miles from the OSS to Beach Lane, Town of Easthampton, Suffolk County, New York. Approximately 57.9 miles would be located on the OCS and approximately 3.5 miles would be location in New York State (NYS) waters. The total maximum footprint for the SFEC on the OCS would be 7.0 acres and the total maximum footprint for the SFEC in NYS waters would be 0.4 acres. It is anticipated that approximately 3.0 miles of OCS cable and approximately 0.07 miles of NYS waters cable would require cable protection, with a total permanent footprint of 7.9 acres (0.2 acres of proposed fill in NYS waters). The proposed cable route would cross seven (7) existing cables. The proposed temporary seabed disturbance would be approximately 573 acres. Once on shore, the SFEC would not impact aquatic resources.

The sea-to-shore transition would be constructed using Horizontal Directional Drilling (HDD). The proposed HDD would be installed a minimum of 30-feet below the existing beach surface, with the HDD exit location approximately 1,750 feet seaward of the plane of mean high water, with approximately 35 to 40 feet of water depth. A temporary cofferdam (sheet pile or gravity cell) may be installed to aid in the HDD installation at the seaward exit location. Up to approximately 26,500 cubic yards of material would be excavated from an approximately 483 foot long by 163 foot wide (1.81-acres) area of the sea floor at the seaward HDD exit location, to a depth of between 10-17 feet below the existing grade. The excavated material would be temporarily stored on a hopper scow(s), then placed back into the excavated footprint after cable installation is complete. Permanent secondary protection may be placed above the HDPE conduit at the HDD exit location. If concrete mattresses are used for secondary protection, individual mattress dimensions would be approximately 8 foot

wide by 20 foot long by 12-inches thick. If other secondary protection methods are proposed, dimensions may differ.

HDD Exit Pit excavation method: proposed environmental clam shell bucket for initial exit pit excavation; airlift, controlled flow excavation, and/or suction dredge or similar equipment may be used for targeted sediment removal prior to cable pull-in; hopper scow(s) or similar for temporary storage, with decant.

SFEC installation method: proposed equipment may include mechanical cutter, mechanical plow (with jetting), jet plow and/or displacement plow.

All transmission cables are proposed to be buried a minimum of 4 feet below the seabed. If proper burial depth cannot be achieved due to site conditions, remedial burial may occur using a controlled flow excavator and/or other methods of cable protection would be installed. Proposed cable protection would include 20 foot wide by 8 foot long articulated concrete mattresses, fronded mattresses, rock bags or rock placement.

Project installation would require boulder relocation on the seabed.

Operations and Maintenance Facility: An O&M facility is proposed at either Lake Montauk, in the Town of East Hampton, Suffolk County, New York, or at Quonset Point, in the Town of North Kingstown, Washington County, Rhode Island. An O&M facility located at Quonset Point would not require any in-water work for the SFWF project.

At the proposed Lake Montauk O&M Facility, using a mechanical clamshell working from a barge, with 10-years maintenance, dredge up to approximately 2,500 cubic yards of sediment from an approximately 1,500 square foot area to a depth of 12.4 feet below the plane of mean low water, including a 1-foot overdredge. The dredged material would be loaded directly into scows. Once full, the scow may be allowed to settle and decanted of excess water. The scow would be transported off the beach west of the Montauk Harbor entrance (Placement Area) where sediment would be pumped to shore. The sediment would be dewatered in a contained location on the beach, in an approximately 1,200 foot long by 25 foot wide area, landward of the plane of spring high water, then eventually spread as beach nourishment along the beach adjacent to the dewatering area, between the planes of mean high water and spring high water. Additional maintenance dredging events would occur annually, up to approximately 1,500 cubic yards per event.

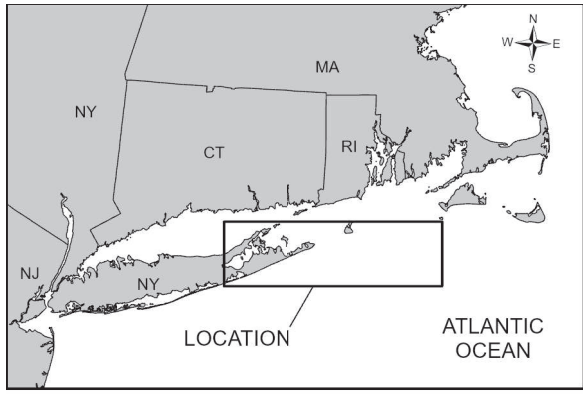
From the existing bulkhead, install a 4 foot wide by 28 foot long ramp and a 16 foot wide by 100 foot long floating pontoon, supported by five (5) two foot diameter steel piles; install one (1) new two foot diameter steel monopile with donut fendering and mooring ring. The piles would be installed with a vibratory hammer, or with an impact hammer if difficult driving conditions are encountered.

For Section 404 regulated activities, the applicant stated impacts to waters of the U.S. would be avoided and minimized by reducing the size of the dredge/excavation footprints to the extent practicable, eliminating the need for bulkhead improvements at the Montauk O&M facility by locating the berthing area away from the bulkhead, and identifying a beneficial reuse of the dredge sediment from the Montauk O&M facility for beach nourishment. No compensatory mitigation is proposed because the disturbance from the installation of the cables and the excavation of sediment from the HDD exit pit would not result in permanent impacts.

The stated purpose of this project is the construction of a commercial scale wind energy project and associated transmission lines for renewable energy generation and distribution to the New York energy grid.

South Fork Wind | Powered by Ørsted & Eversource

DRAWINGS
ISSUED FOR PERMIT REVIEW



VICINITY MAP

Km
0 50 100 200

DRAWING INDEX

SFW Drawing Index

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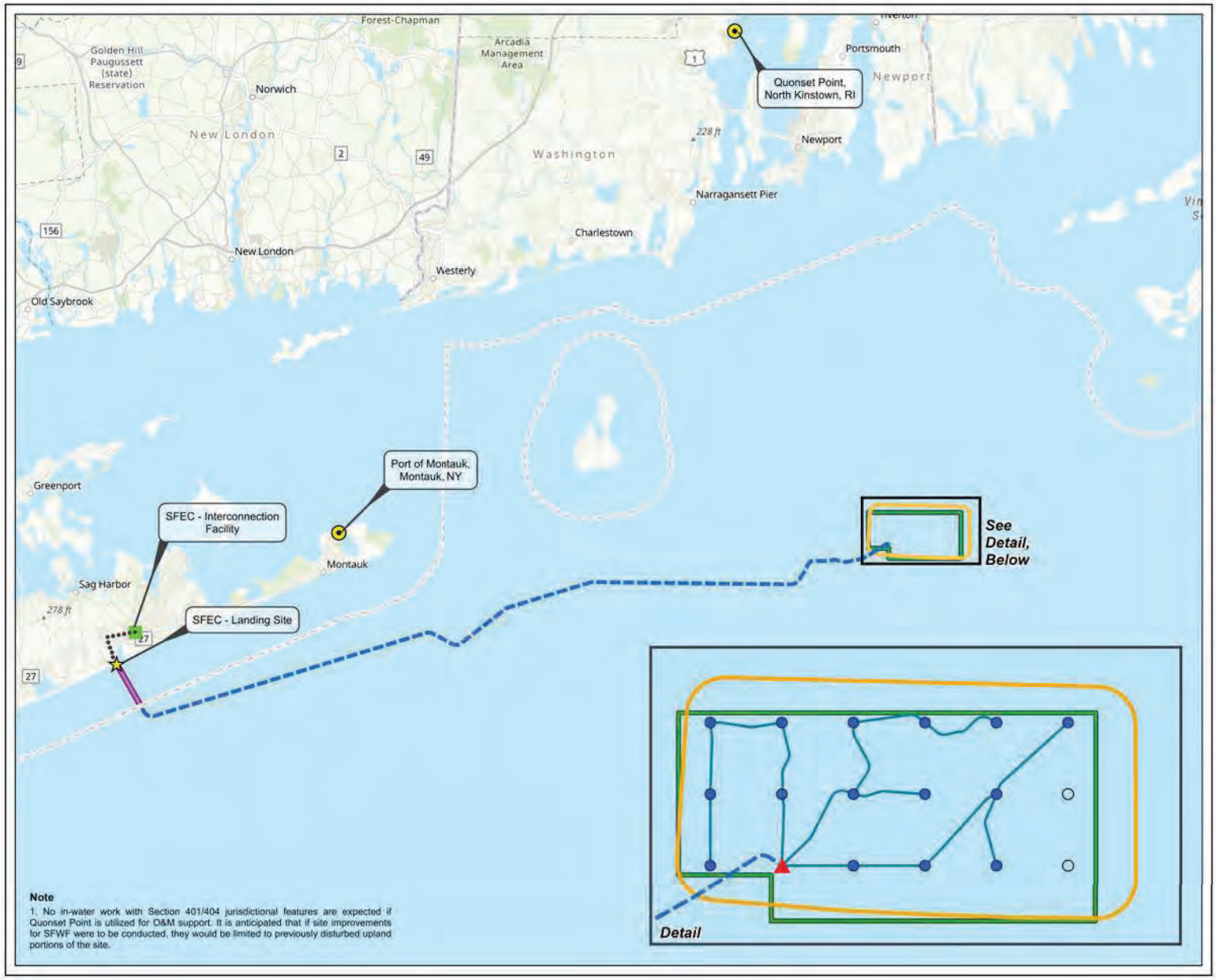


Project Vicinity Map

South Fork Wind | Powered by Ørsted & Eversource

Legend

3-Nautical Mile State Waters Boundary

South Fork Wind Farm (SFWF)

- SFWF Lease Area (OCS-A 0517)
- Potential O&M Facility Site
- Offshore Substation
- SFWF Maximum Work Area (including all anchor/mooring areas)
- SFWF Wind Turbine Generator
- SFWF Wind Turbine Generator (Alternate Location)
- SFWF Inter-array Cable

South Fork Export Cable (SFEC)

- SFEC New York State Waters (NYS)
- SFEC Federal Waters (OCS)
- SFEC Onshore
- SFEC - Interconnection Facility
- SFEC Landing Site

Sources

Project Information Provided by South Fork Wind
U.S. Geological Survey (USGS), U.S. Environmental Protection Agency (EPA), U.S. National Park Service (NPS), Food and Agriculture Organization of the United Nations (FAO), Department of Natural Resources Canada (NRCAN), HERE, and Esri

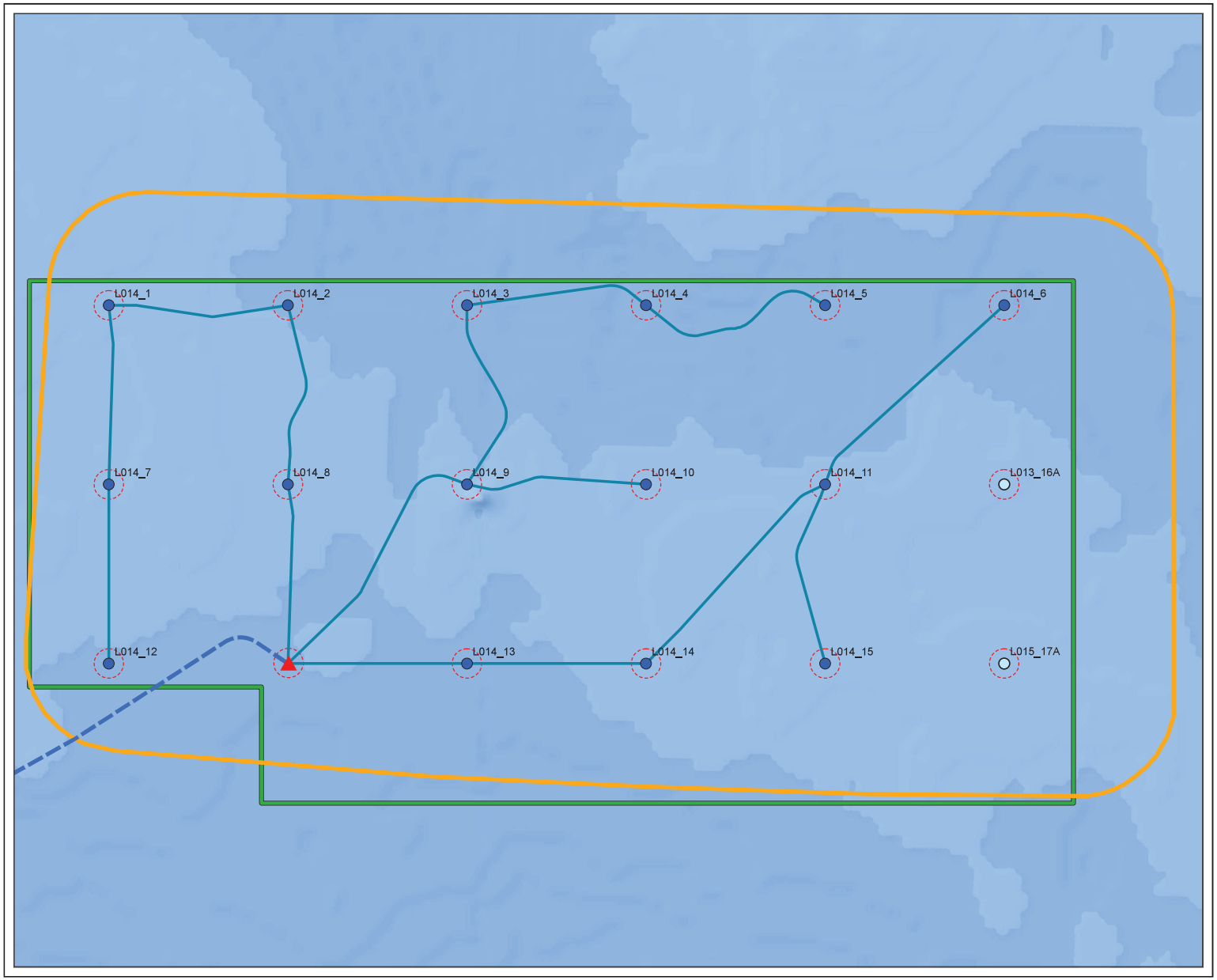
Date	12/01/2020
Prepared By	Stantec

0 5 miles
0 8 km

N

Scale at 11x17: 1:450,000.
NAD 1983 2011 UTM Zone 19N

REFERENCE MAP



SFWF
Indicative Layout

South Fork Wind | Powered by Ørsted & Eversource

Legend

South Fork Wind Farm (SFWF)
- SFWF Lease Area (OCS-A 0517)
- SFWF Maximum Work Area (including all anchor/ mooring areas)
- Offshore Substation
- SFWF Wind Turbine Generator (1 nm x 1 nm)
- SFWF Wind Turbine Generator (Alternate Location)
- SFWF Inter-array Cable
- Foundation Micro-siting (152.4 m radius) (500 ft)

South Fork Export Cable (SFEC)
- SFEC Federal Waters (OCS)

Notes
1. Figure is representative and the icons depicting the foundations are not drawn to scale. The WTG foundations will be approximately 36 ft (11 m).
2. Locations for Inter-array Cable and SFEC depict anticipated routes. Final location may vary based on final engineering and field conditions.
3. Locations for WTG and OSS are approximate and final location will be located within a 500 foot (152.4 meter) radius, based on final engineering and field conditions.

Sources
Project Information Provided by South Fork Wind
U.S. Geological Survey (USGS), U.S. Environmental Protection Agency (EPA), U.S. National Park Service (NPS), Food and Agriculture Organization of the United Nations (FAO), Department of Natural Resources Canada (NRCAN), HERE, and Esri

Date	12/01/2020
Prepared By	Stantec

0 5 miles
0 8 km

N

Scale at 11x17: 1:450,000
NAD 1983 2011 UTM Zone 19N

REFERENCE MAP

FOUNDATION LOCATIONS AND WATER DEPTH FOR INDICATIVE LAYOUT

Label		Spatial Reference: NAD83 (2011) UTM Zone 19N – EPSG 6348						Depth (m; MLLW)*
OSS_ID	OSS_RDSPP	Easting (m)	Northing (m)	Longitude	Latitude	Longitude (DD MM SS, SSS)	Latitude (DD MM SS, SSS)	
OSS1		317874	4549444	-71.167965	41.07587	-71° 10' 4.676"	41° 4' 33.133"	-34.94

Label		Spatial Reference: NAD83 (2011) UTM Zone 19N – EPSG 6348						Depth (m; MLLW)*	Depth (m; MLLW)***
WTG_ID	WTG_RDSPP	Easting (m)	Northing (m)	Longitude (DD)	Latitude (DD)	Longitude (DD MM SS, SSS)	Latitude (DD MM SS, SSS)		
L013_1		316022	4553148	-71.191104	41.108795	-71° 11' 27.973"	41° 6' 31.662"	no data	-33.575
L013_2		317874	4553148	-71.169062	41.109212	-71° 10' 8.624"	41° 6' 33.164"	no data	-34.64
L013_3		319726	4553148	-71.147021	41.109625	-71° 8' 49.274"	41° 6' 34.651"	-36.49	-36.273
L013_4		321578	4553148	-71.124978	41.110034	-71° 7' 29.922"	41° 6' 36.123"	-40.74	-40.538
L013_5		323430	4553148	-71.102935	41.110439	-71° 6' 10.568"	41° 6' 37.579"	-35.77	-35.662
L013_6		325282	4553148	-71.080892	41.110839	-71° 4' 51.212"	41° 6' 39.021"	-37.79	no data
L013_7		316022	4551296	-71.19055	41.092124	-71° 11' 25.978"	41° 5' 31.647"	no data	-34.034
L013_8		317874	4551296	-71.168514	41.092541	-71° 10' 6.649"	41° 5' 33.148"	no data	-34.995
L013_9		319726	4551296	-71.146477	41.092954	-71° 8' 47.319"	41° 5' 34.634"	-35.39	-35.205
L013_10		321578	4551296	-71.124441	41.093363	-71° 7' 27.986"	41° 5' 36.105"	-34.51	-34.302
L013_11		323430	4551296	-71.102403	41.093767	-71° 6' 8.653"	41° 5' 37.561"	-34.43	-34.103
L013_12		316022	4549444	-71.189996	41.075453	-71° 11' 23.985"	41° 4' 31.632"	no data	-35.729
L013_13		319726	4549444	-71.145935	41.076283	-71° 8' 45.365"	41° 4' 34.618"	-35.79	-35.589
L013_14		321578	4549444	-71.123904	41.076691	-71° 7' 26.053"	41° 4' 36.088"	-35.02	-34.766
L013_15		323430	4549444	-71.101872	41.077095	-71° 6' 6.739"	41° 4' 37.543"	-33.39	-33.221
L013_16A**		325282	4551296	-71.080366	41.094167	-71° 4' 49.317"	41° 5' 39.002"	-34.24	no data
L013_17A**		325282	4549444	-71.07984	41.077495	-71° 4' 47.424"	41° 4' 38.983"	-33.64	no data

Notes:

1. Locations for the WTG and OSS provided by Orsted, December 6 2019.
2. WTG 16A and 17A are preliminary contingency positions (noted with **)
3. Depth is in meters below feet below Mean Lower Low Water (MLLW). Depth for MLLW is based on 2018 Fugro MBES survey data (noted with *) and/or 2017 Fugro MBES survey data (noted with ***).

SFWF Indicative Layout
Foundation Locations
12/6/19

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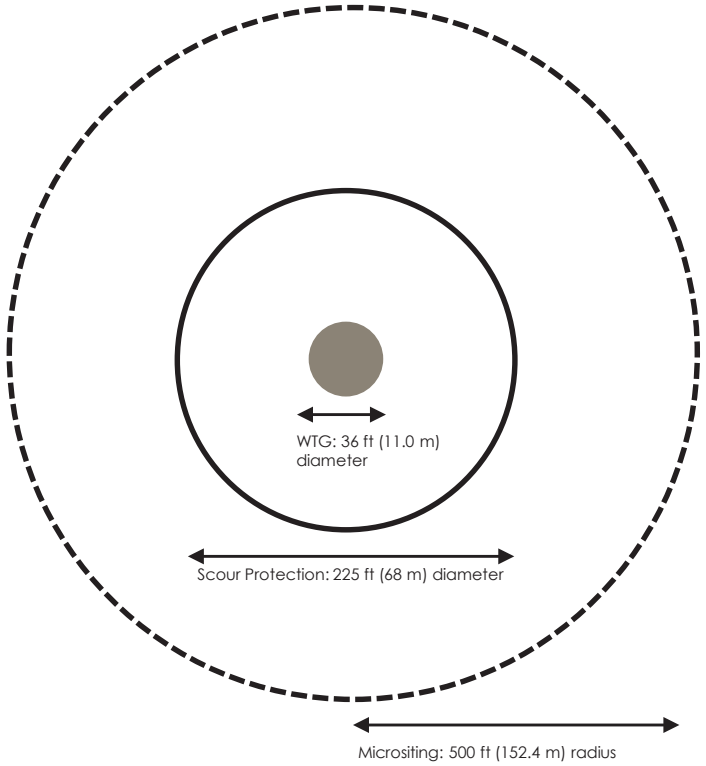
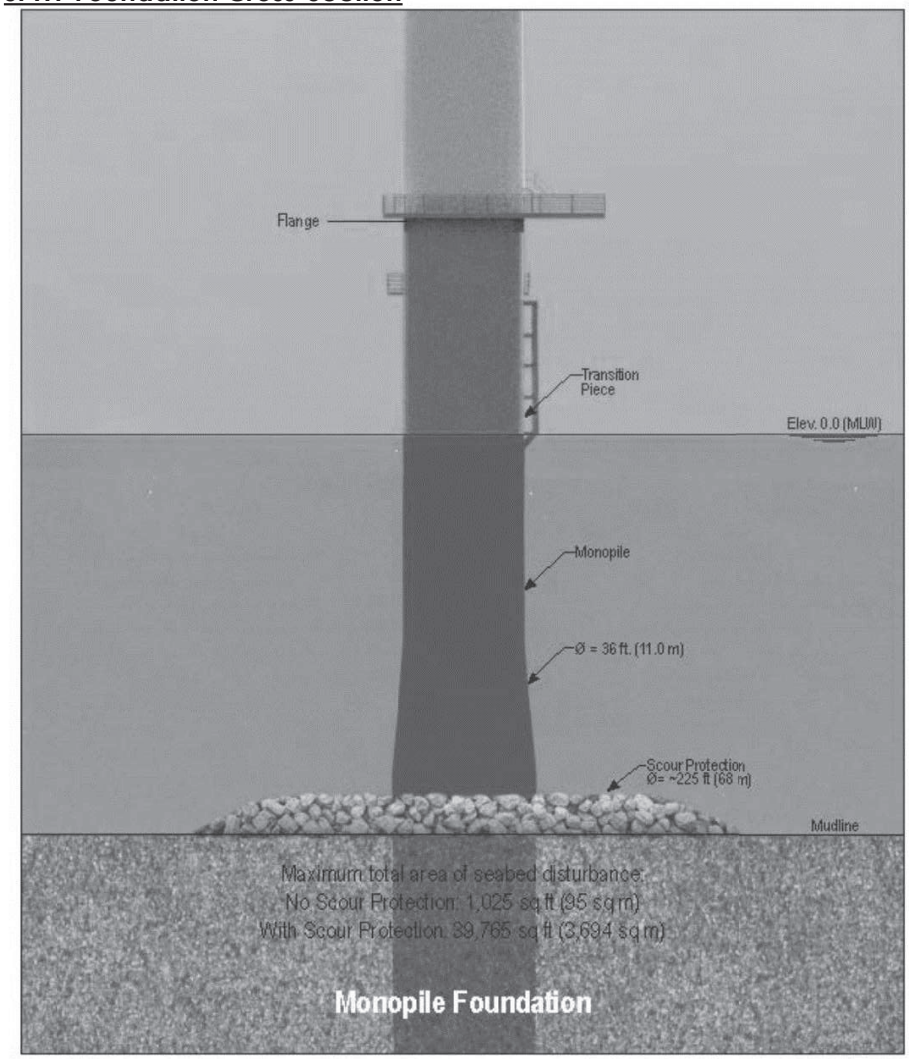
South Fork Wind | Powered by Ørsted & Eversource

SFWF Foundation Plan



SFWF Foundation Cross-Section



Notes:

1. Details provided by South Fork Wind.
2. Each WTG will be supported by one steel monopile foundation embedded into the seafloor. The foundation base diameter will be 36 feet (11.0 m). Typical monopile embedment is anticipated to be up to 295 ft (90m). The final embedment will be determined based on final engineering.
3. Total maximum permanent footprint will be 635,976 ft^2 (59,084 m^2), 14.6 acres (5.9 ha) and total temporary seabed disturbance will be 36,391,264 ft^2 (3,380,859 m^2), 835.6 acres (338 ha). See Application Table 1 for additional information.

Typical Details
12/09/20

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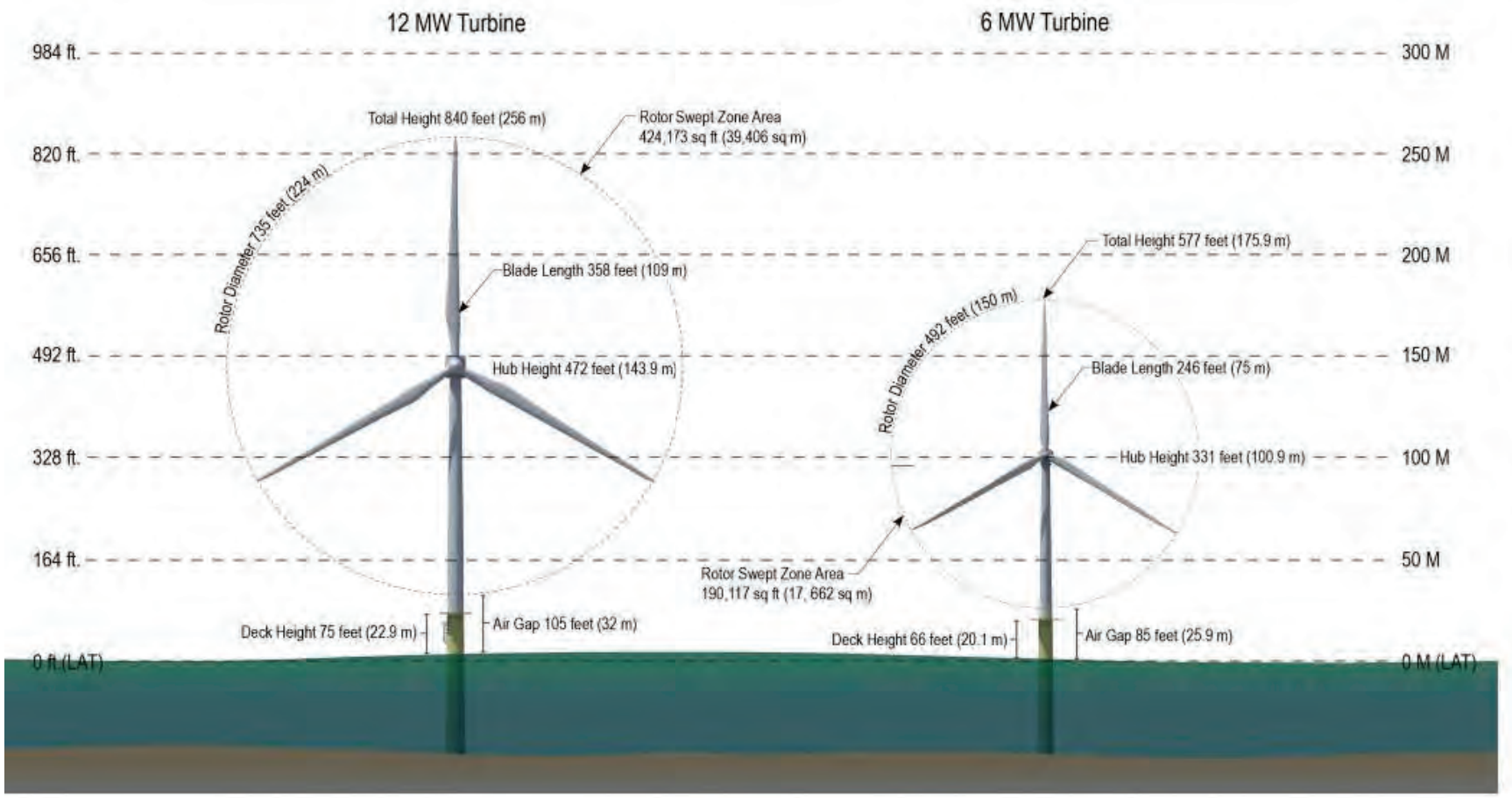
South Fork Wind | Powered by Ørsted & Eversource

SFWF Wind Turbine Generator
Cross-Section



Notes:

1. Details provided by South Fork Wind.
2. Each WTG will be comprised of the following major components: a tower, nacelle and rotor which includes the blades. Control, lighting, marking, and safety systems will be installed on each WTG; the specific systems will vary depending on the turbine selected,
3. Each WTG will be supported by one steel monopile foundation embedded into the seafloor.

Typical Details
12/09/20

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SFWF Offshore Substation Cross-Section

Notes:

1. Details provided by South Fork Wind.
2. The OSS will be above the water located either on a platform supported by a foundation similar to those used for the WTGs, or co-located on a foundation with a WTG. If the OSS is located on its own foundation, the total height of the substation will be 150 to 200 feet (45.7 to 61 m), measured from MSL to the top of the substation. If the substation is co-located with a WTG on a single foundation, the substation will be placed on the foundation such that the total maximum height of the WTG does not exceed the total height of other WTGs.

Typical Details
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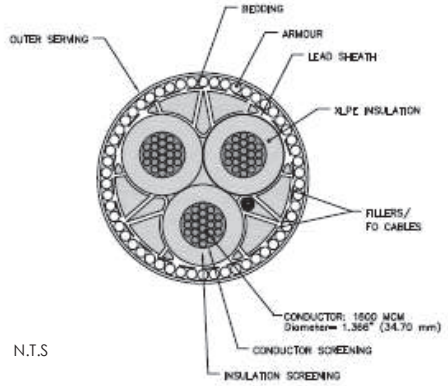
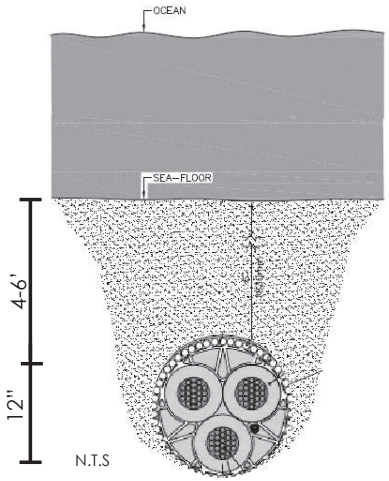
Inter-array Cable CROSS-SECTION

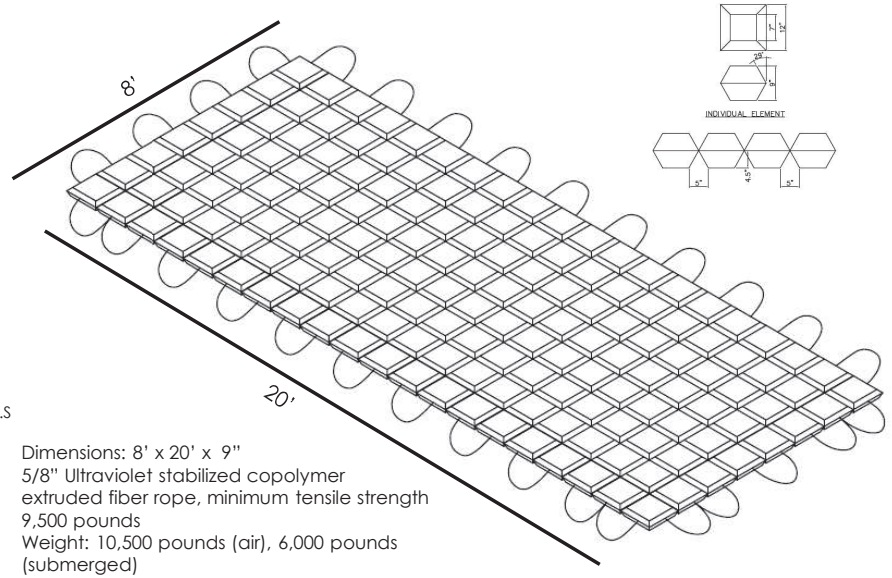


1. 34.5 kV cable.
2. Diameter is approximately 6" to 12" (152 to 304 mm).

Inter-array Cable BURIAL DEPTH



Inter-array Cable CABLE PROTECTION



1. Dimensions: 8' x 20' x 9"
2. 5/8" Ultraviolet stabilized copolymer extruded fiber rope, minimum tensile strength 9,500 pounds
3. Weight: 10,500 pounds (air), 6,000 pounds (submerged)

Notes:

1. Details provided by South Fork Wind.
2. Total maximum permanent footprint for the Inter-array Cable will be 20.2 acres (9.3 ha) and total temporary seabed disturbance will be 340 acres (137.6 ha). See Application Table 1 for additional information.
3. The Inter-array Cable will have target burial depth of 4 to 6 feet (1.2 to 1.8 m) in the seabed, measured in from the seabed to the top of the cable.
4. It is anticipated that up to 10 percent (2.0 miles [3.2 km, 1.8 nm]) may not achieve target burial depth and secondary cable protection systems may be placed in those areas. Cable protection may include concrete matting, fronded mattresses, rock bags, or rock placement (8 feet long by 20 feet wide [2.4 m long by 6.1 m wide]).

Typical Details
12/09/20

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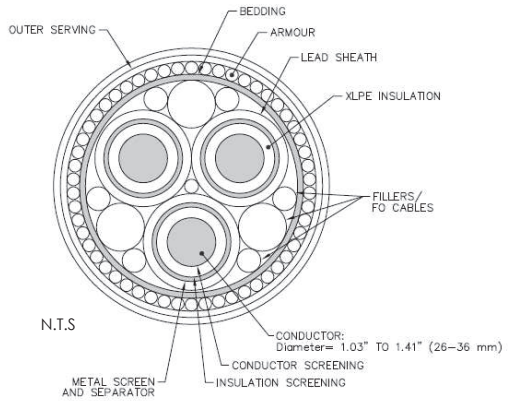
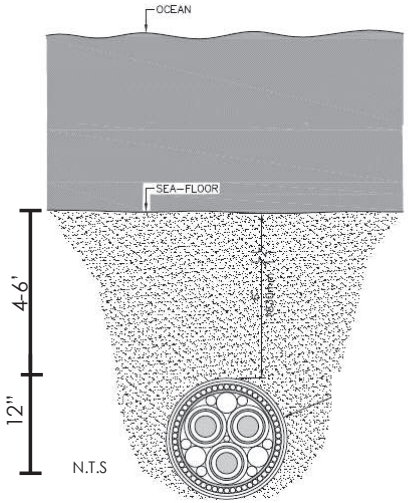
South Fork Wind | Powered by Ørsted & Eversource

SFEC CROSS-SECTION

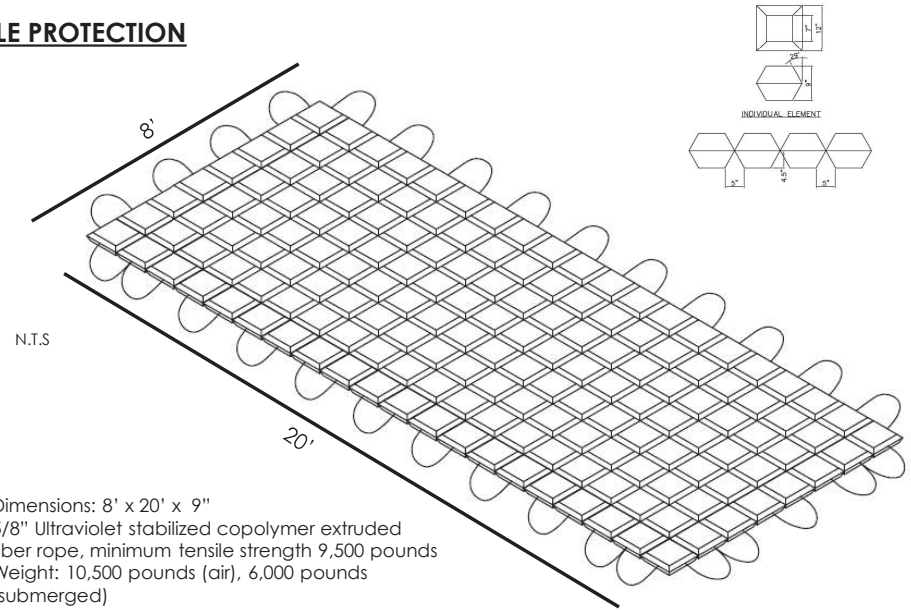


1. 138 kV cable.
2. Diameter is approximately 8" to 12" (20 to 30 cm).

SFEC BURIAL DEPTH



CABLE PROTECTION



1. Dimensions: 8' x 20' x 9"
2. 5/8" Ultraviolet stabilized copolymer extruded fiber rope, minimum tensile strength 9,500 pounds
3. Weight: 10,500 pounds (air), 6,000 pounds (submerged)

Notes:

1. For the SFEC-OCS, total maximum permanent footprint will be 14.8 acres (6.0 ha) and total temporary seabed disturbance will be 555.3 acres (224.7 ha). See Application Table 1 for additional information.
2. Target burial depth for the SFEC-OCS is 4 to 6 feet (1.2 to 1.8 m) in the seabed, measured in from the seabed to the top of the cable. It is anticipated that up to 5 percent may not achieve target burial depth and secondary cable protection systems (7.7 acres [3.1 ha]) may be placed in those areas.
3. For the SFEC-NYS, total maximum permanent footprint will be 0.6 acres (0.26 ha) and total temporary seabed disturbance will be 18 acres (7.29 ha). See Application Table 1 for additional information.
4. The minimum burial depth of the SFEC-NYS will be 1.8 meters (6 feet). It is anticipated that up to 2 percent may not achieve target burial depth and secondary cable protection systems (0.2 acres [0.08 ha]) may be placed in those areas.
5. Cable protection may include concrete matting, fronded mattresses, rock bags, or rock placement (8 feet long by 20 feet wide [2.4 m long by 6.1 m wide]).

Typical Details
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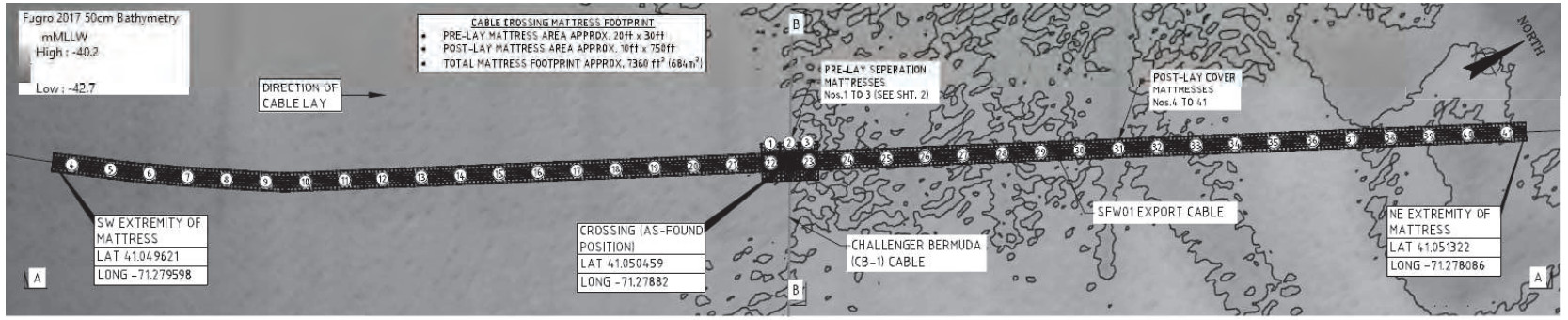
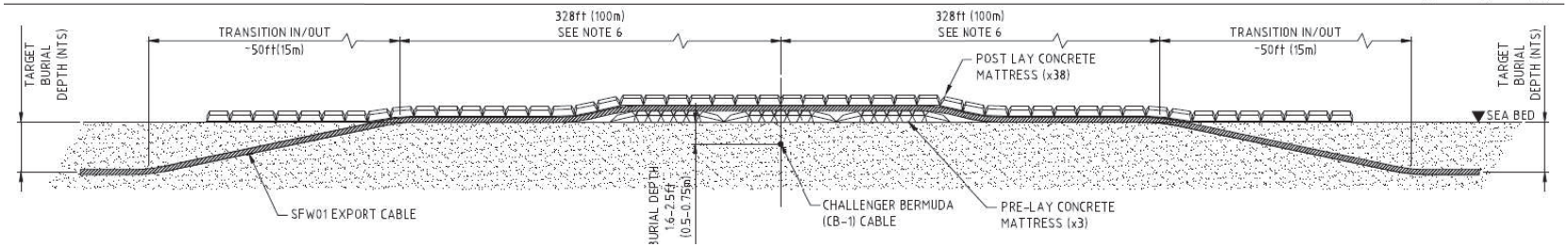
South Fork Wind | Powered by Ørsted & Eversource

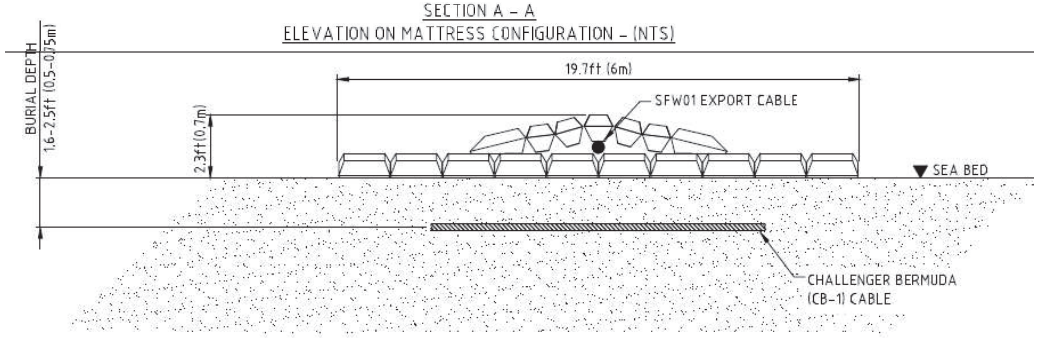
SFEC CROSSING OF EXISTING CABLE



PLAN ON CABLE CROSSING



SECTION A – A
ELEVATION ON MATTRESS CONFIGURATION – (NTS)



SECTION B – B
END ELEVATION ON MATTRESS CONFIGURATION – (NTS)

Notes:

1. Details provided by South Fork Wind.
2. The proposed route for the SFEC – OCS will cross seven submarine cables. The coordinates for these locations are depicted on the SFEC Plan and Profile drawings. Distance to transition of burial to be agreed with asset owner, and will also depend on cable burial method.
3. Coordinate system: NAD83 (2011) UTM Zone 19N; Pre-lay mattresses: 3 off; post-lay mattresses: 38 off; post-lay mattresses will be laid to follow "as laid" cable position.

Typical Details
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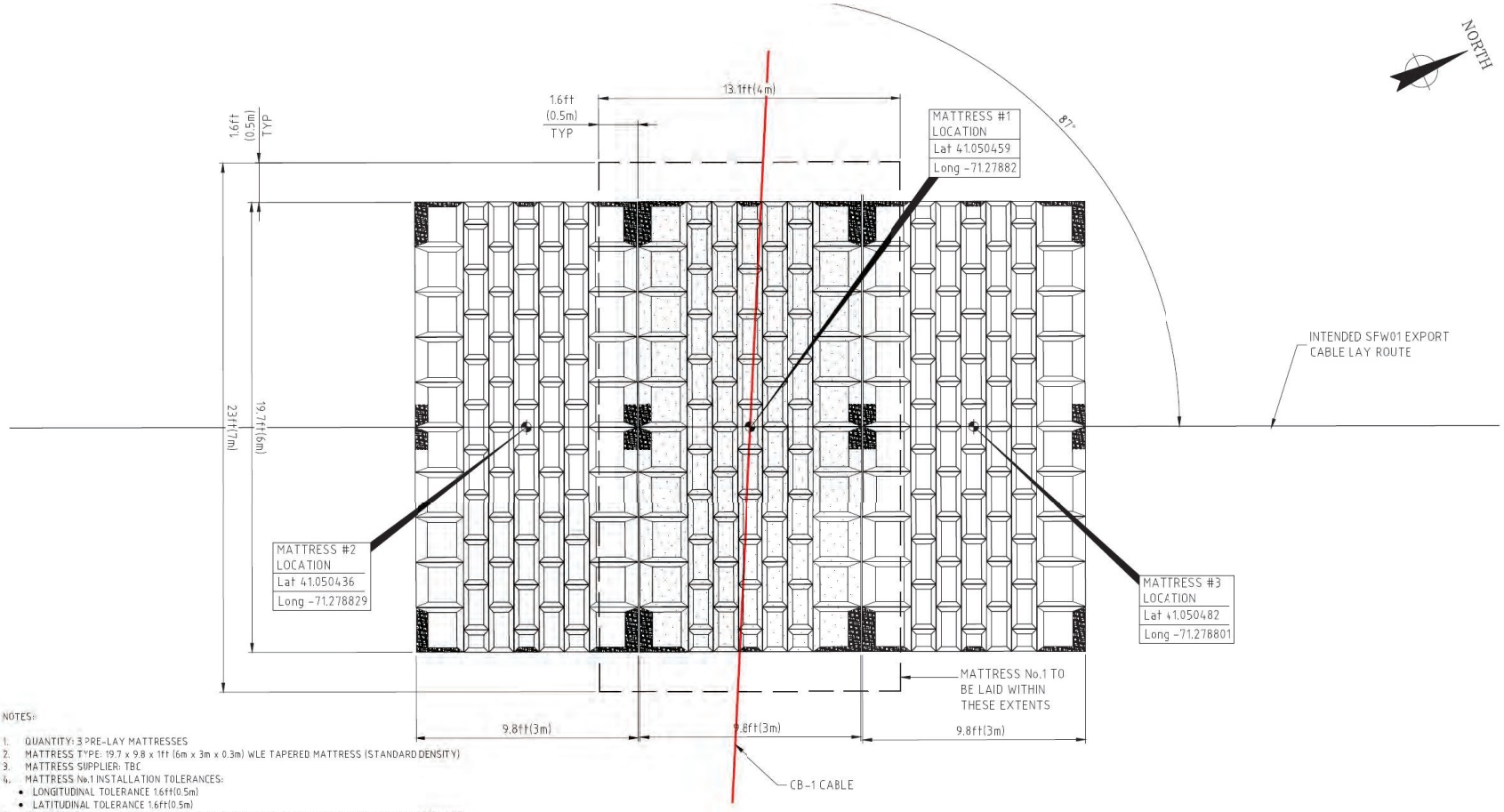
South Fork Wind | Powered by Ørsted & Eversource

SFEC CROSSING OF EXISTING CABLE



NOTES:

1. QUANTITY: 3 PRE-LAY MATTRESSES
2. MATTRESS TYPE: 19.7 x 9.8 x 1ft (6m x 3m x 0.3m) WLE TAPERED MATTRESS (STANDARD DENSITY)
3. MATTRESS SUPPLIER: TBC
4. MATTRESS No.1 INSTALLATION TOLERANCES:
   - LONGITUDINAL TOLERANCE 1.6ft(0.5m)
   - LATITUDINAL TOLERANCE 1.6ft(0.5m)
5. MATTRESSES No.2 & No.3 TO BE LAID AS CLOSE TO BEST CASE AS POSSIBLE, HOWEVER RELEVANT TO MATTRESS No.1 TOLERANCES:
   - MAXIMUM OVERLAP OF 1 BLOCK
   - MAXIMUM GAP BETWEEN MATTRESSES OF 1.6ft(0.5m)
6. MATTRESS LOCATION SUBJECT TO MINOR ADJUSTMENT AFTER PRE-LAY ROV SURVEY CONFIRMING CROSSING LOCATION.

PLAN ON CB-1 CABLE CROSSING - (SCALE 1:50)
PRE-LAY MATTRESS INSTALLATION

Notes:

1. Details provided by South Fork Wind.
2. The proposed route for the SFEC – OCS will cross seven submarine cables. The coordinates for these locations are depicted on the SFEC Plan and Profile drawings.

Typical Details
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South Fork Wind | Powered by Ørsted & Eversource

SFEC INDEX:

1	CHART 1
2	CHART 2
3	CHART 3
4	CHART 4
5	CHART 5
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10	CHART 10
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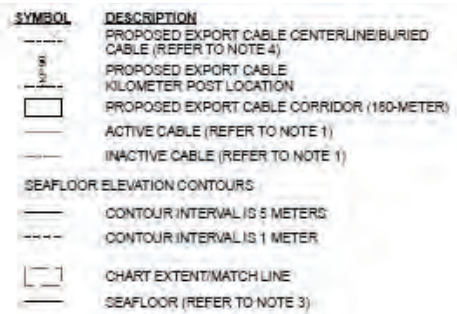
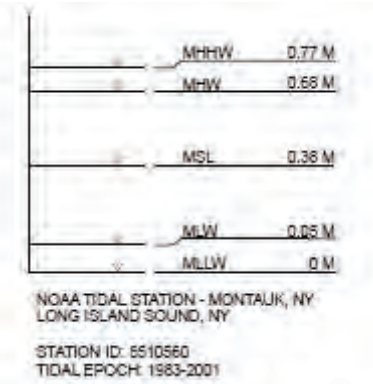
16	CHART 16
17	CHART 17
18	CHART 18
19	CHART 19
20	CHART 20
21	CHART 21
22	CHART 22
23	CHART 23

LEGEND:



TIDAL DATUM:



Notes:

1. Plan and Profile Drawings provided by Fugro, May 25, 2018.
2. Existing utilities shown are based on cable route position listing (RPLS) provided by the cable owners to South Fork Wind.
3. Elevation is referenced to mean lower low water (MLLW) in meters.
4. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder.
5. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet).
6. Export Cable Route is located within the Survey Corridor (180 m). The SFEC-OCS is 58.3 miles (93.9 km, 50.7 nm) and the SFEC-NYS is 3.5 miles (5.6 km, 3.1 nm), including approximately 500 feet (0.1 nm) on land. The SFEC is 8 to 12 inches (20 to 30 cm) in diameter.

SFEC Plan and Profile Index and Notes

Atlantic Ocean
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South Fork Wind | Powered by Ørsted & Eversource

KILOMETER POST TABLE

Location	North American Datum 1983, Geographic		UTM Zone 19 North, North American Datum 1983, Meters	
	Latitude	Longitude	Northing	Easting
KP 0	41.075831	-71.172545	4549449	317489
KP 1	41.074527	-71.184147	4549329	316511
KP 2	41.069424	-71.193951	4548783	315673
KP 3	41.064321	-71.203753	4548237	314835
KP 4	41.061089	-71.21459	4547901	313915
KP 5	41.058808	-71.226042	4547673	312946
KP 6	41.059097	-71.237739	4547730	311964
KP 7	41.05962	-71.249418	4547813	310984
KP 8	41.058656	-71.261217	4547732	309990
KP 9	41.058741	-71.273112	4547767	308991
KP 10	41.05438	-71.282669	4547304	308175
KP 11	41.046375	-71.288111	4546427	307694
KP 12	41.038659	-71.294197	4545584	307160
KP 13	41.033415	-71.303572	4545023	306357
KP 14	41.033094	-71.315441	4545014	305358
KP 15	41.03296	-71.327331	4545025	304358
KP 16	41.032825	-71.33922	4545037	303358
KP 17	41.032689	-71.351109	4545049	302358
KP 18	41.032552	-71.362998	4545061	301358
KP 19	41.032413	-71.374887	4545072	300358
KP 20	41.032273	-71.386776	4545084	299358
KP 21	41.032132	-71.398665	4545096	298358
KP 22	41.03199	-71.410554	4545108	297358
KP 23	41.031846	-71.422442	4545119	296358
KP 24	41.031702	-71.434331	4545131	295359
KP 25	41.031556	-71.446219	4545143	294359
KP 26	41.031408	-71.458108	4545155	293359
KP 27	41.03126	-71.469996	4545166	292359
KP 28	41.03111	-71.481884	4545178	291359
KP 29	41.030959	-71.493772	4545190	290359
KP 30	41.030807	-71.505659	4545202	289359
KP 31	41.030654	-71.517547	4545213	288359
KP 32	41.030499	-71.529435	4545225	287359
KP 33	41.030343	-71.541322	4545237	286359
KP 34	41.030186	-71.553209	4545249	285359
KP 35	41.030028	-71.565096	4545260	284359

Location	North American Datum 1983, Geographic		UTM Zone 19 North, North American Datum 1983, Meters	
	Latitude	Longitude	Northing	Easting
KP 36	41.029869	-71.576984	4545272	283359
KP 37	41.02812	-71.588535	4545107	282382
KP 38	41.025232	-71.599795	4544814	281426
KP 39	41.022343	-71.611054	4544522	280470
KP 40	41.019452	-71.622312	4544229	279514
KP 41	41.016561	-71.633569	4543937	278557
KP 42	41.013669	-71.644824	4543644	277601
KP 43	41.010775	-71.656079	4543352	276645
KP 44	41.007881	-71.667333	4543059	275689
KP 45	41.004985	-71.678585	4542767	274732
KP 46	41.002088	-71.689837	4542474	273776
KP 47	40.998484	-71.700621	4542102	272857
KP 48	40.992737	-71.709766	4541488	272067
KP 49	40.986989	-71.71891	4540874	271278
KP 50	40.98124	-71.728053	4540259	270489
KP 51	40.975491	-71.737193	4539645	269700
KP 52	40.969741	-71.746332	4539031	268911
KP 53	40.96399	-71.75547	4538416	268122
KP 54	40.959725	-71.765648	4537970	267250
KP 55	40.962374	-71.776827	4538294	266319
KP 56	40.96615	-71.787608	4538742	265425
KP 57	40.969925	-71.79839	4539190	264531
KP 58	40.971067	-71.809784	4539348	263576
KP 59	40.968164	-71.821026	4539056	262620
KP 60	40.965259	-71.832267	4538764	261663
KP 61	40.962353	-71.843507	4538472	260707
KP 62	40.959446	-71.854746	4538180	259750
KP 63	40.956539	-71.865983	4537889	258794
KP 64	40.95363	-71.87722	4537597	257837
KP 65	40.95072	-71.888456	4537305	256881
KP 66	40.947808	-71.89969	4537013	255924
KP 67	40.944896	-71.910924	4536721	254968
KP 68	40.941983	-71.922156	4536429	254012
KP 69	40.939069	-71.933388	4536137	253055
KP 70	40.936153	-71.944618	4535845	252099
KP 71	40.933237	-71.955848	4535554	251142

Location	North American Datum 1983, Geographic		UTM Zone 19 North, North American Datum 1983, Meters	
	Latitude	Longitude	Northing	Easting
KP 72	40.930320	-71.967076	4535262	250186
KP 73	40.927401	-71.978303	4534970	249229
KP 74	40.924481	-71.989530	4534678	248273
KP 75	40.921561	-72.000755	4534386	247316
KP 76	40.918639	-72.011979	4534094	246360
KP 77	40.915716	-72.023202	4533802	245403
KP 78	40.912792	-72.034424	4533510	244447
KP 79	40.909868	-72.045645	4533218	243491
KP 80	40.906942	-72.056865	4532927	242534
KP 81	40.904015	-72.068084	4532635	241578
KP 82	40.901086	-72.079302	4532343	240621
KP 83	40.898157	-72.090519	4532051	239665
KP 84	40.895227	-72.101735	4531759	238708
KP 85	40.892296	-72.112949	4531467	237752
KP 86	40.889364	-72.124163	4531175	236795
KP 87	40.886430	-72.135376	4530883	235839
KP 88	40.883496	-72.146587	4530592	234882
KP 89	40.880560	-72.157798	4530300	233926
KP 90	40.877624	-72.169007	4530008	232970
KP 91	40.874686	-72.180216	4529716	232013
KP 92	40.875655	-72.191522	4529858	231064
KP 93	40.882833	-72.198526	4530677	230503
KP 94	40.890475	-72.204791	4531545	230006
KP 95	40.898116	-72.211057	4532412	229509
KP 96	40.905758	-72.217324	4533280	229013
KP 97	40.913399	-72.223594	4534148	228516
KP 98	40.921039	-72.229864	4535016	228019
KP(ALT) 99	40.936791	-71.944792	4535917	252086
KP(ALT) 100	40.941311	-71.954491	4536446	251287
KP(ALT) 101	40.949125	-71.960386	4537330	250820
KP(ALT) 102	40.956938	-71.966282	4538215	250353
KP(ALT) 103	40.964750	-71.972179	4539099	249886
KP(ALT) 104	40.972563	-71.978078	4539983	249419
KP(ALT) 105	40.980375	-71.983979	4540868	248952
KP(ALT) 106	40.988186	-71.989880	4541752	248485
KP(ALT) 107	40.995998	-71.995784	4542636	248019
KP(ALT) 108	41.003809	-72.001688	4543521	247552

SFEC Plan and Profile
Location of Kilometer Posts

Atlantic Ocean
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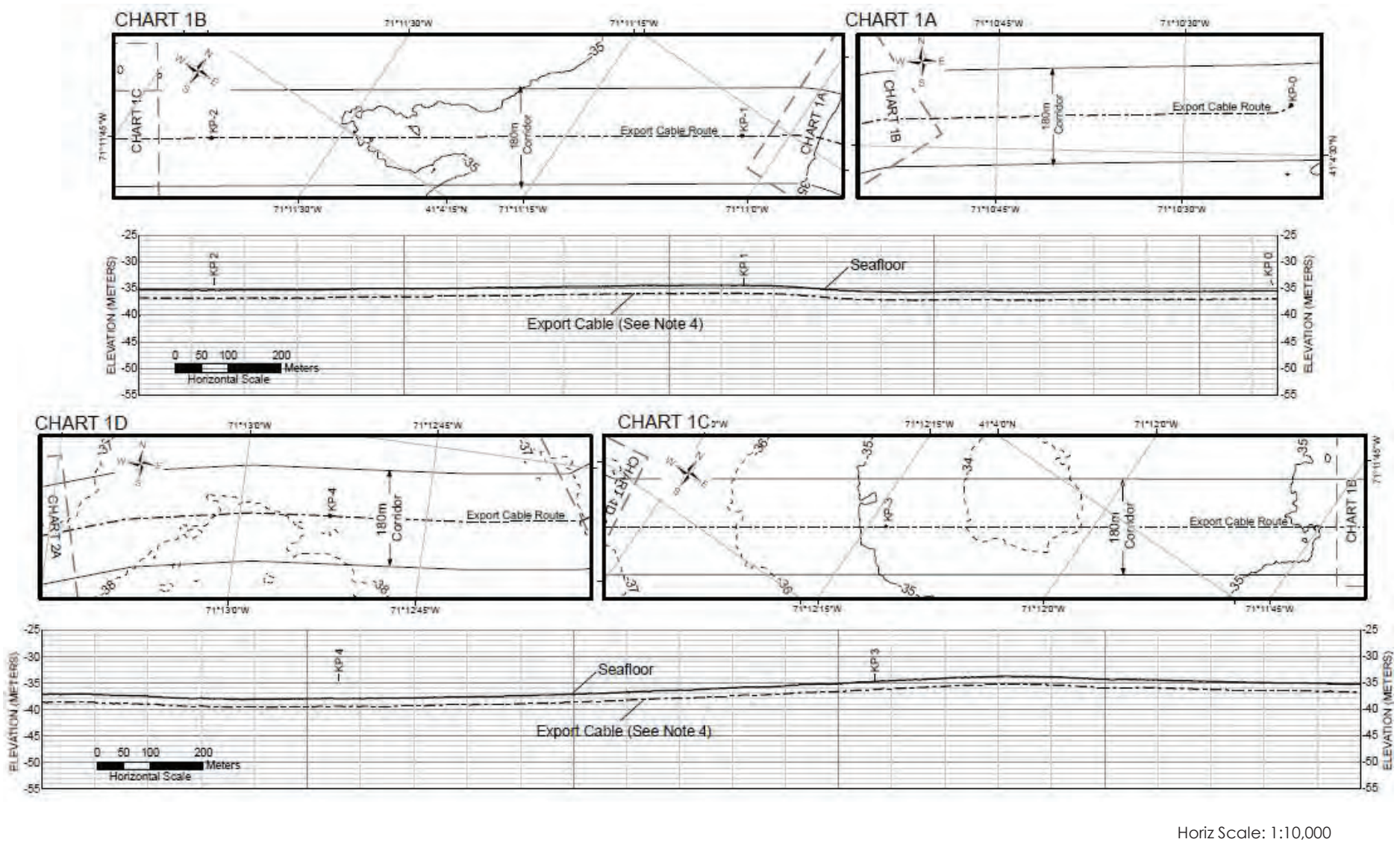
South Fork Wind | Powered by Ørsted & Eversource



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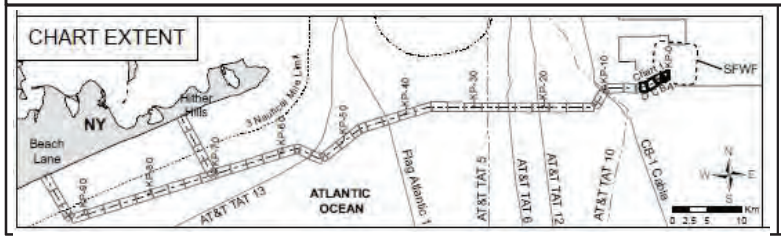

Notes:

1. Existing utilities shown are based on cable route position listing (RPLS) provided by the cable owners to South Fork Wind.
2. Elevation is referenced to mean lower low water (MLLW) in meters.
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder.
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet).

SFEC Plan and Profile

Atlantic Ocean
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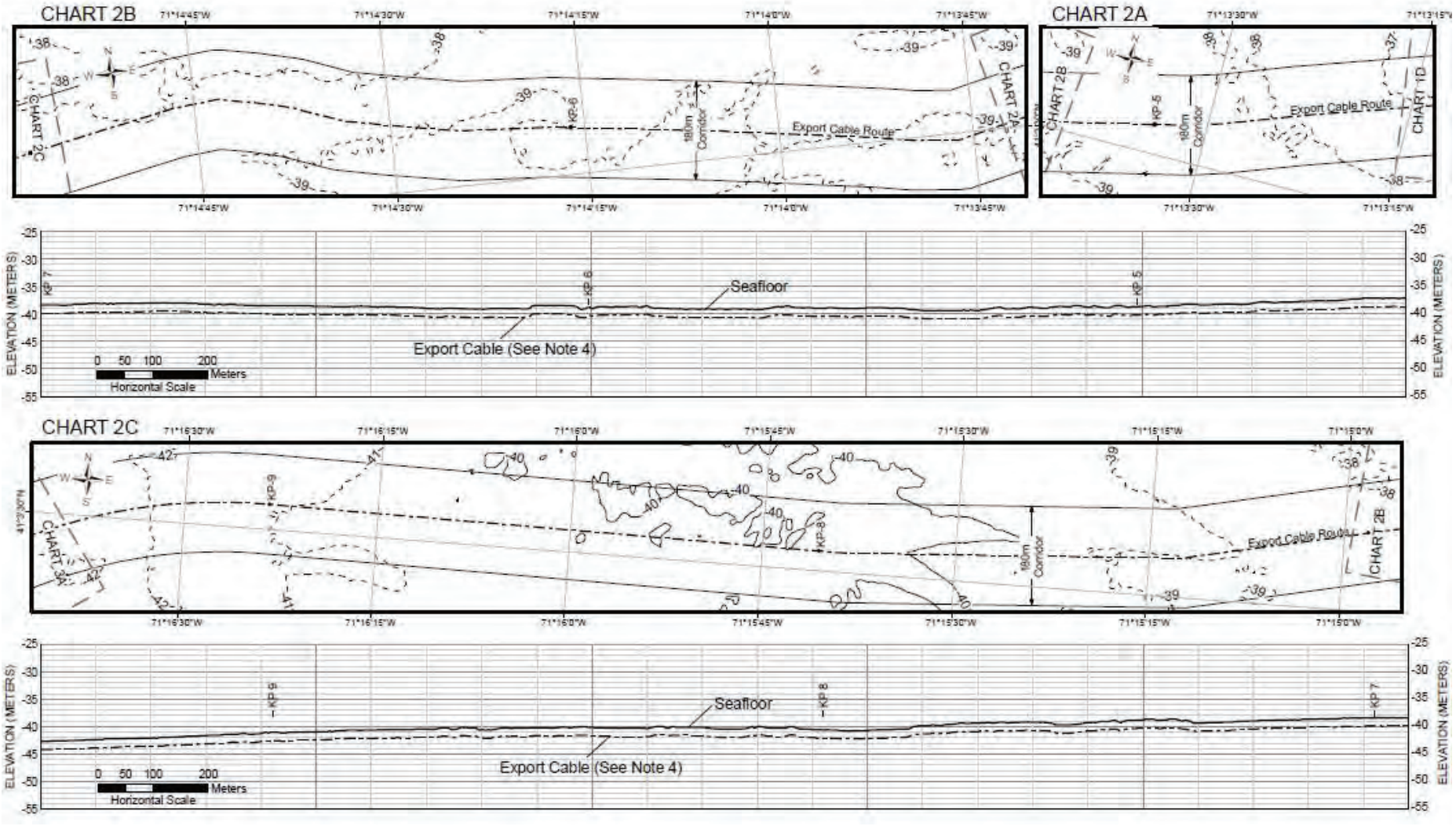
South Fork Wind | Powered by Ørsted & Eversource



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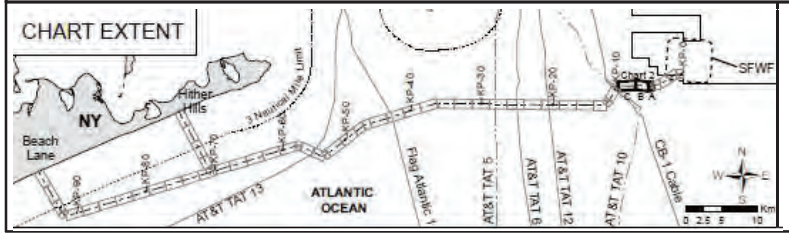

Notes:

1. Existing utilities shown are based on cable route position listing (RPLS) provided by the cable owners to SFW
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)

SFEC Plan and Profile

Atlantic Ocean
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South Fork Wind | Powered by Ørsted & Eversource

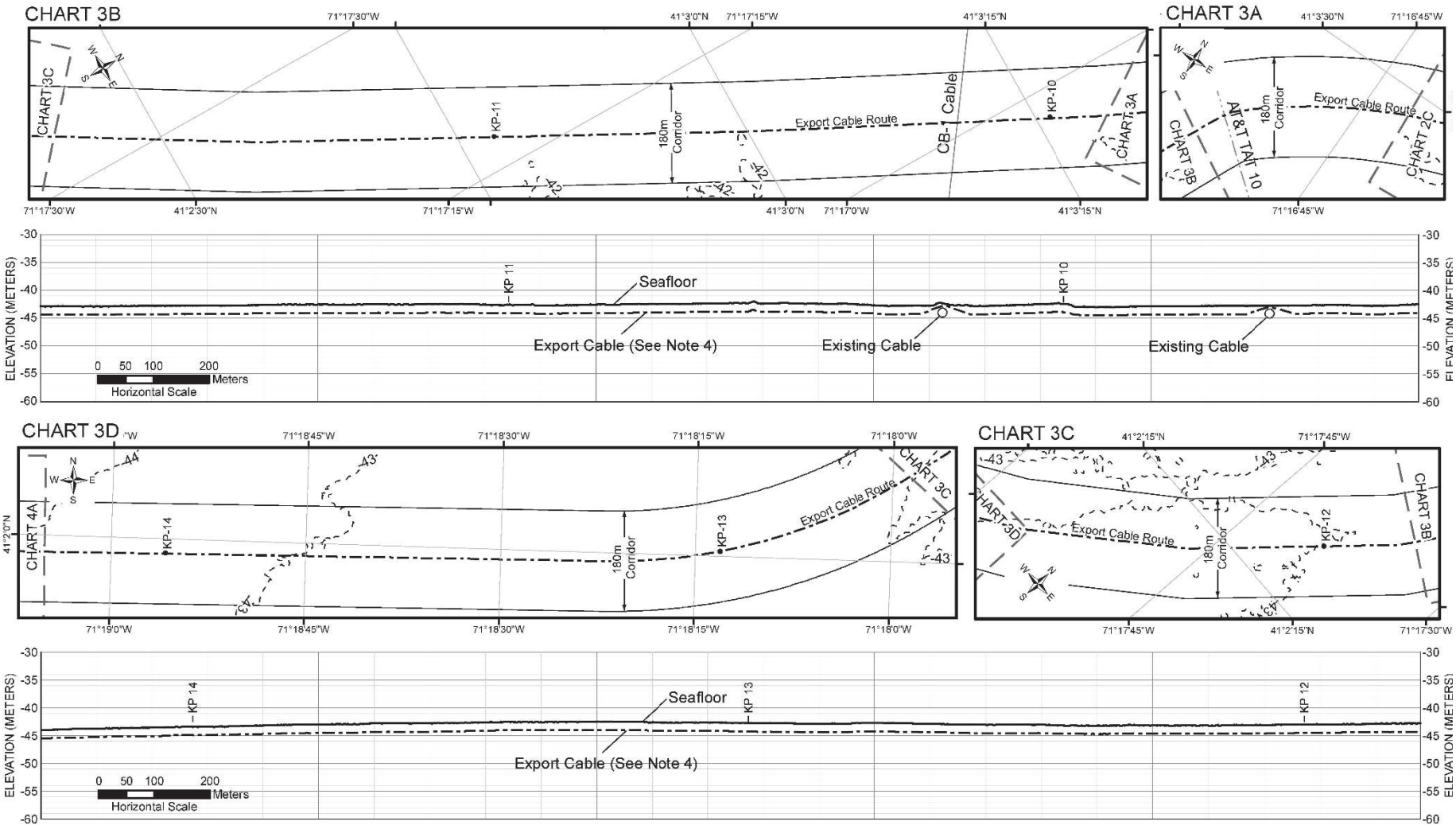

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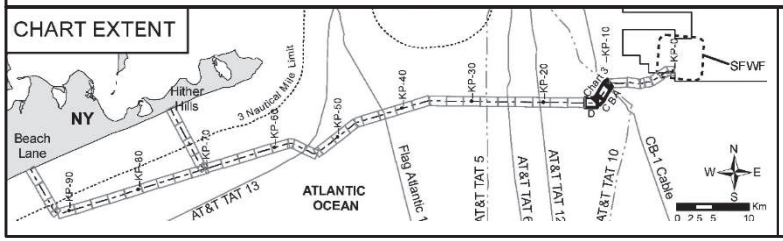
CHART EXTENT



Notes:

1. Existing utilities shown are based on cable route position listing (RPLS) provided by the cable owners to SFW
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)

SFEC Plan and Profile

Atlantic Ocean
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South Fork Wind | Powered by Ørsted & Eversource

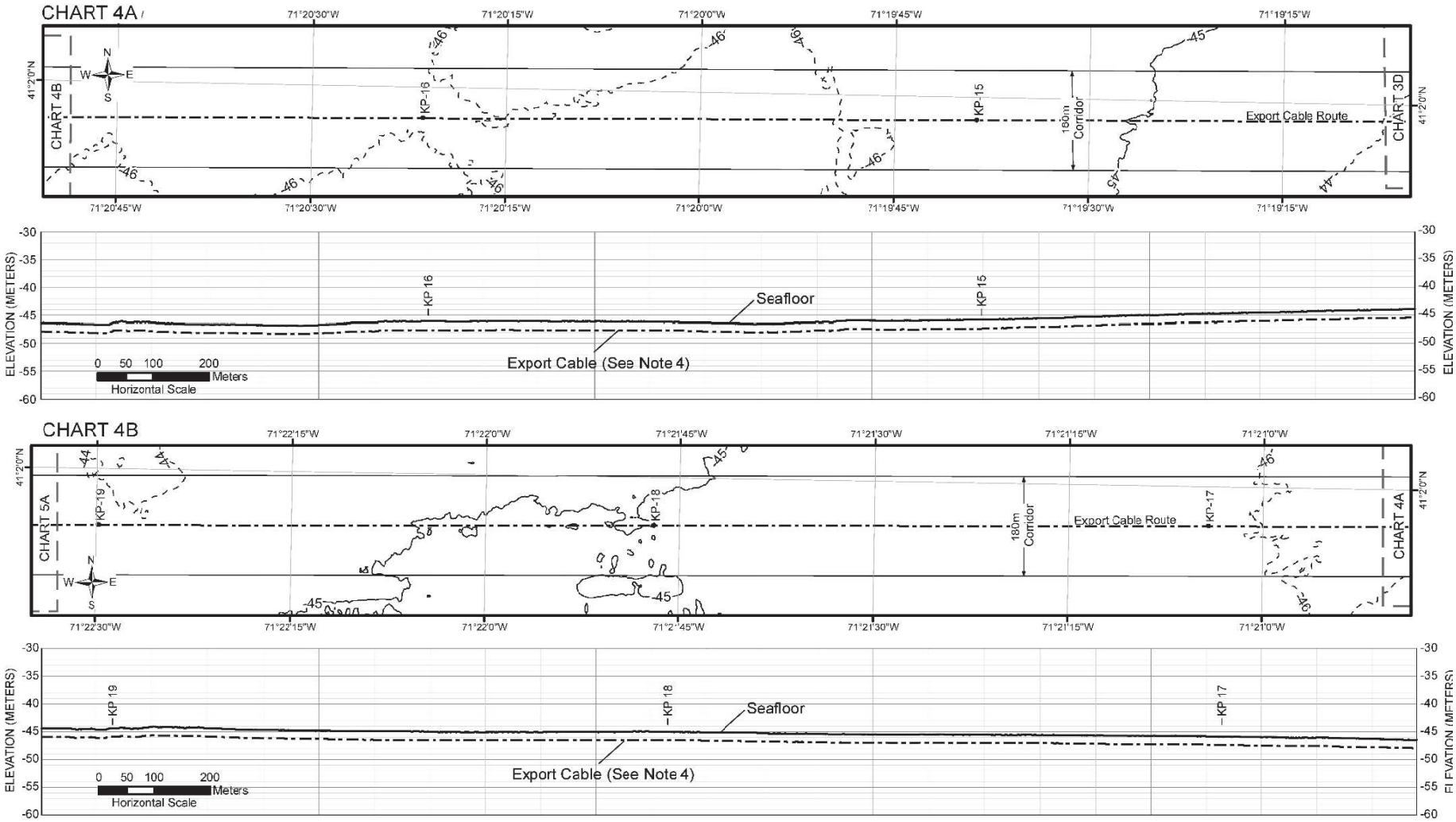

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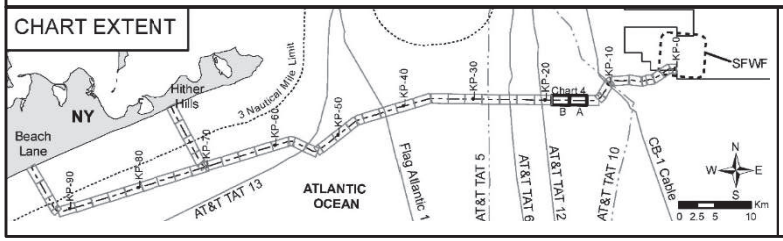
CHART EXTENT



Notes:

1. Existing utilities shown are based on cable route position listing (RPLS) provided by the cable owners to SFW
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)

SFEC Plan and Profile

Atlantic Ocean
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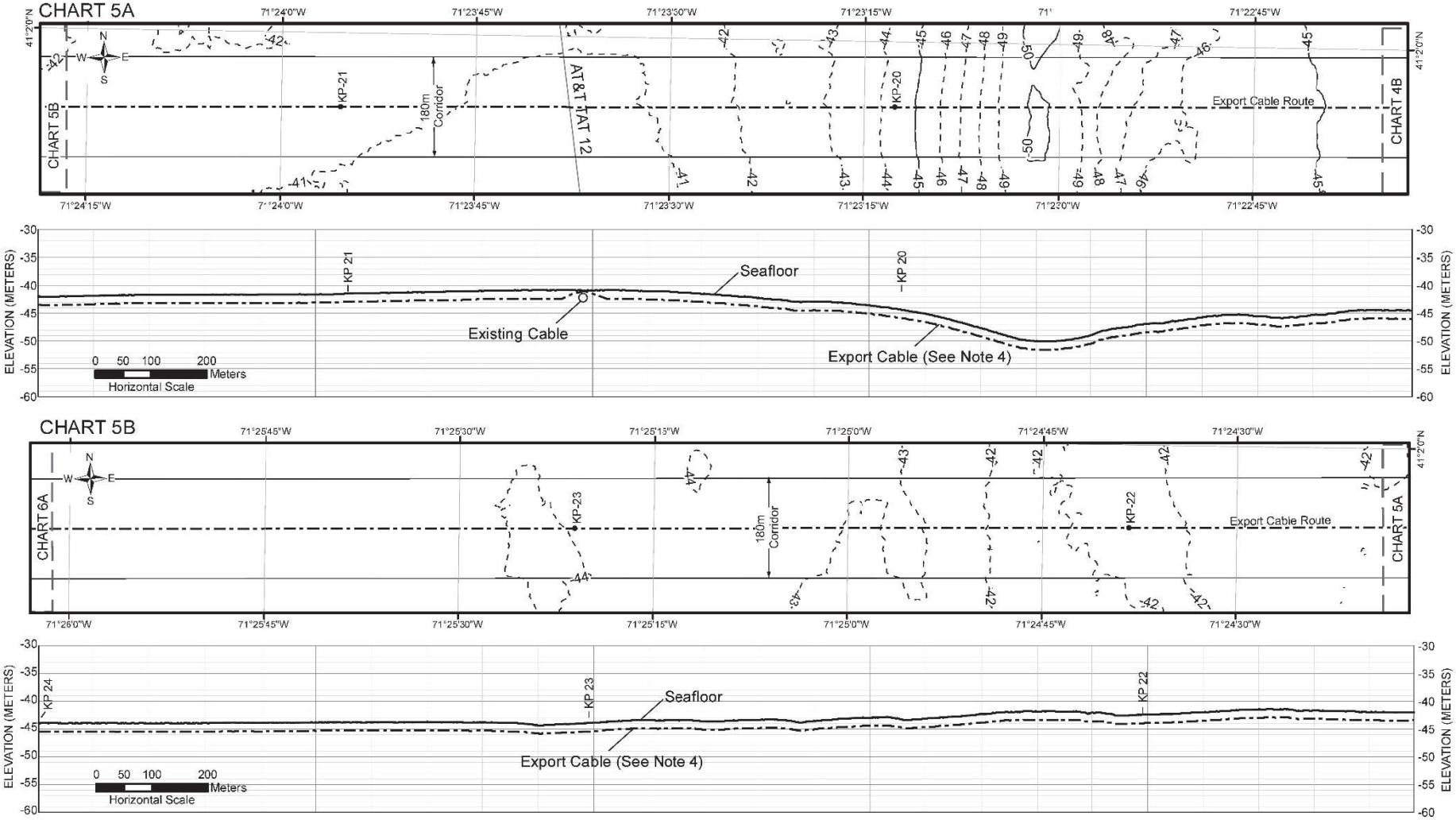
South Fork Wind | Powered by Ørsted & Eversource



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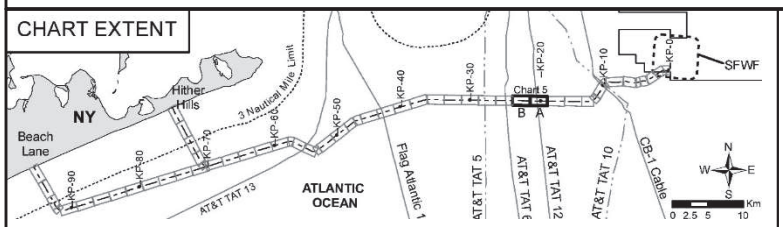

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
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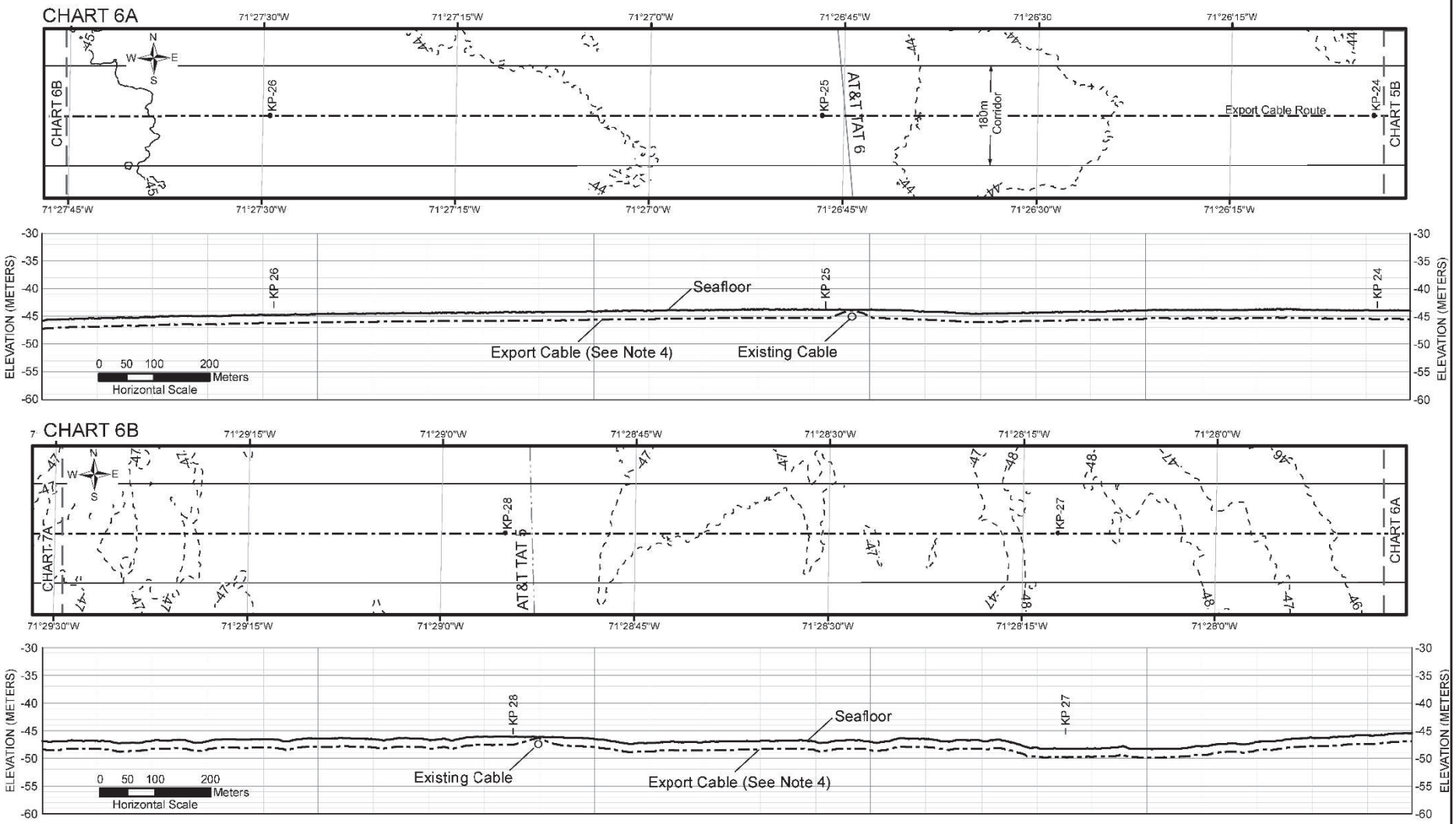
SFEC Plan and Profile

Atlantic Ocean
Sheet 17 of 45

South Fork Wind | Powered by Ørsted & Eversource



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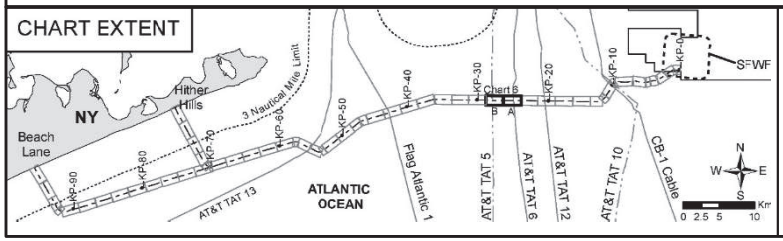

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)

SFEC Plan and Profile

Atlantic Ocean
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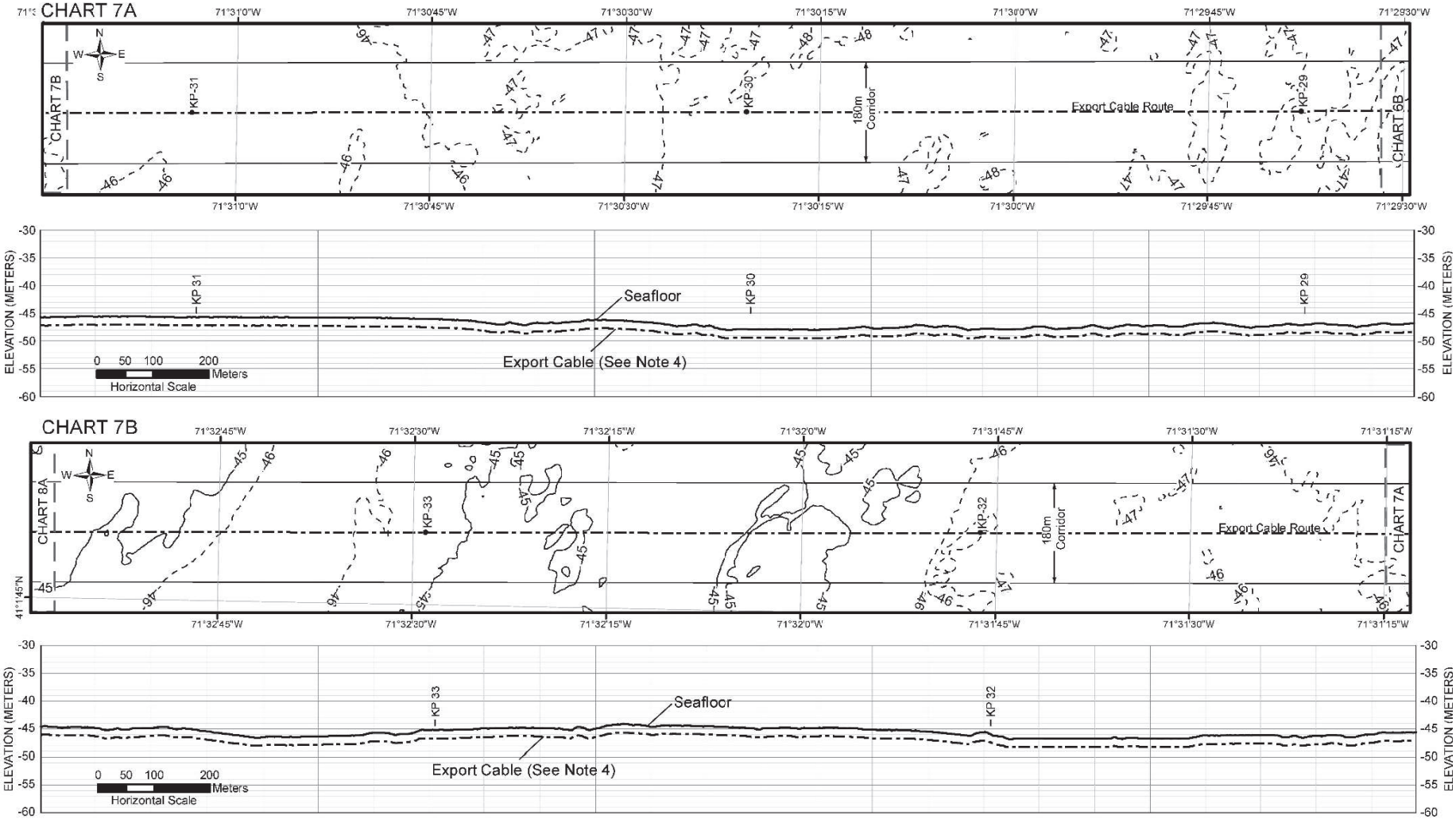
South Fork Wind | Powered by Ørsted & Eversource



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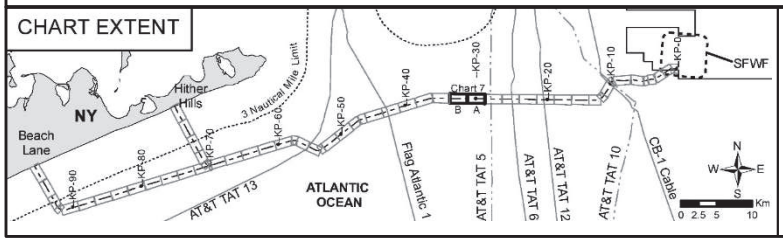


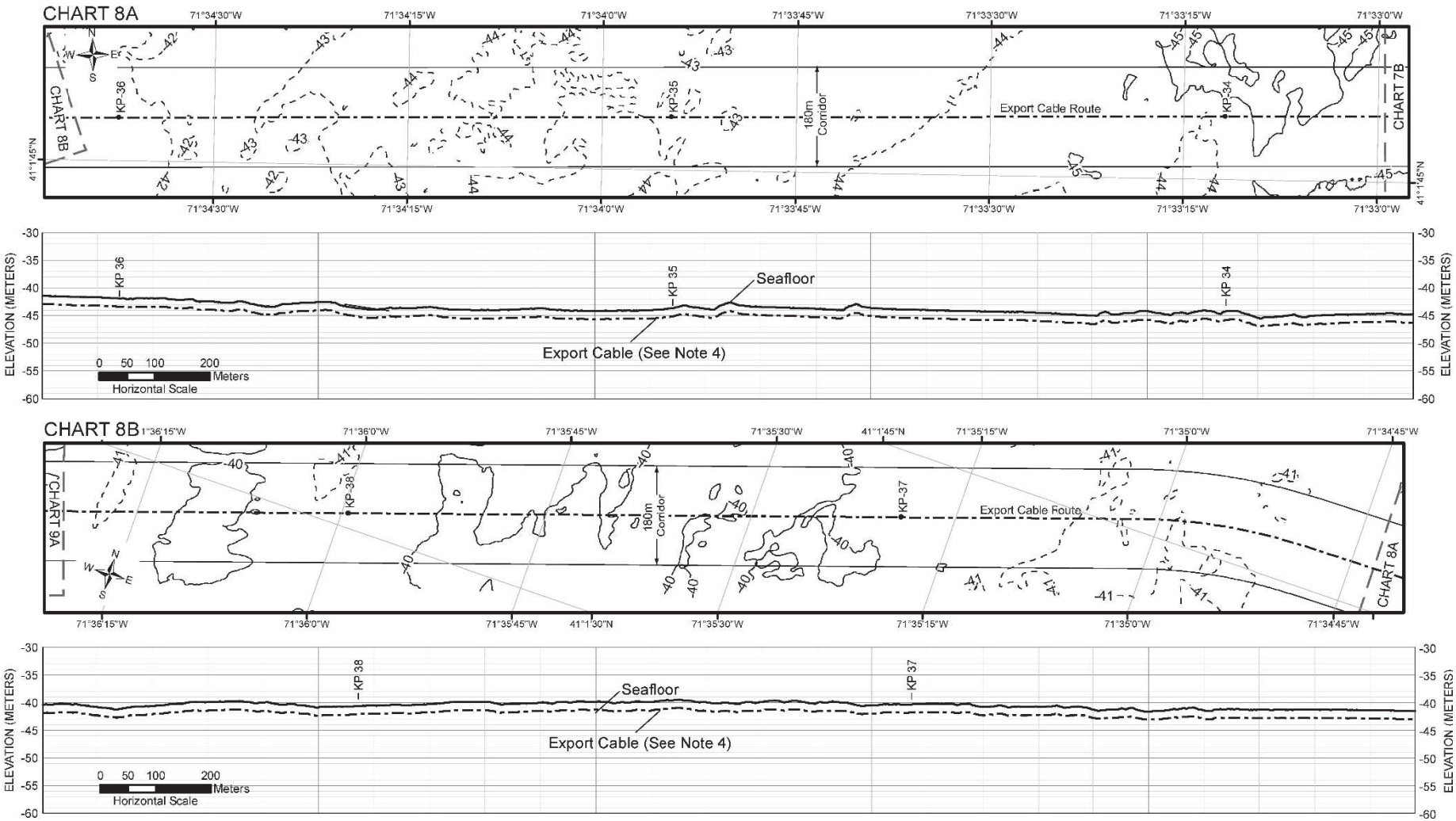
Notes:

1. Existing utilities shown are based on cable route position listing (RPLS) provided by the cable owners to SFW
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)

SFEC Plan and Profile

Atlantic Ocean
Sheet 19 of 45

South Fork Wind | Powered by Ørsted & Eversource



Horiz Scale: 1:10,000

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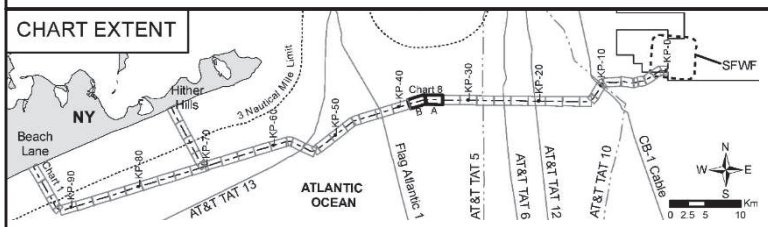

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
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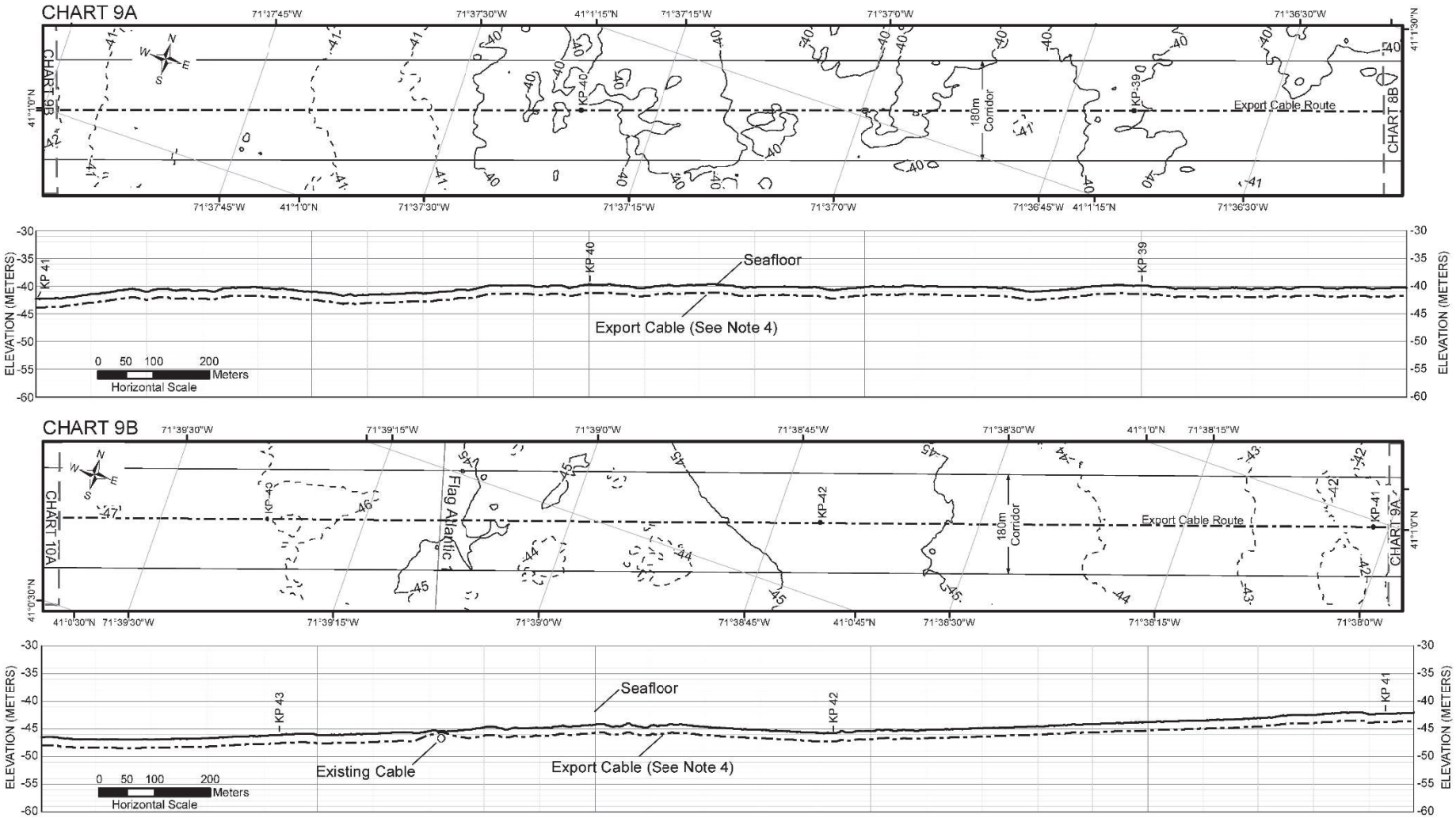
SFEC Plan and Profile

Atlantic Ocean
Sheet 20 of 45

South Fork Wind | Powered by Ørsted & Eversource



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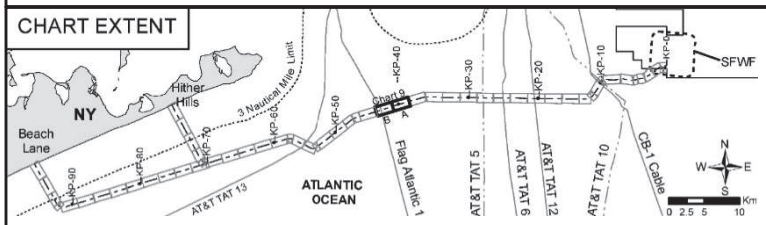

Notes:

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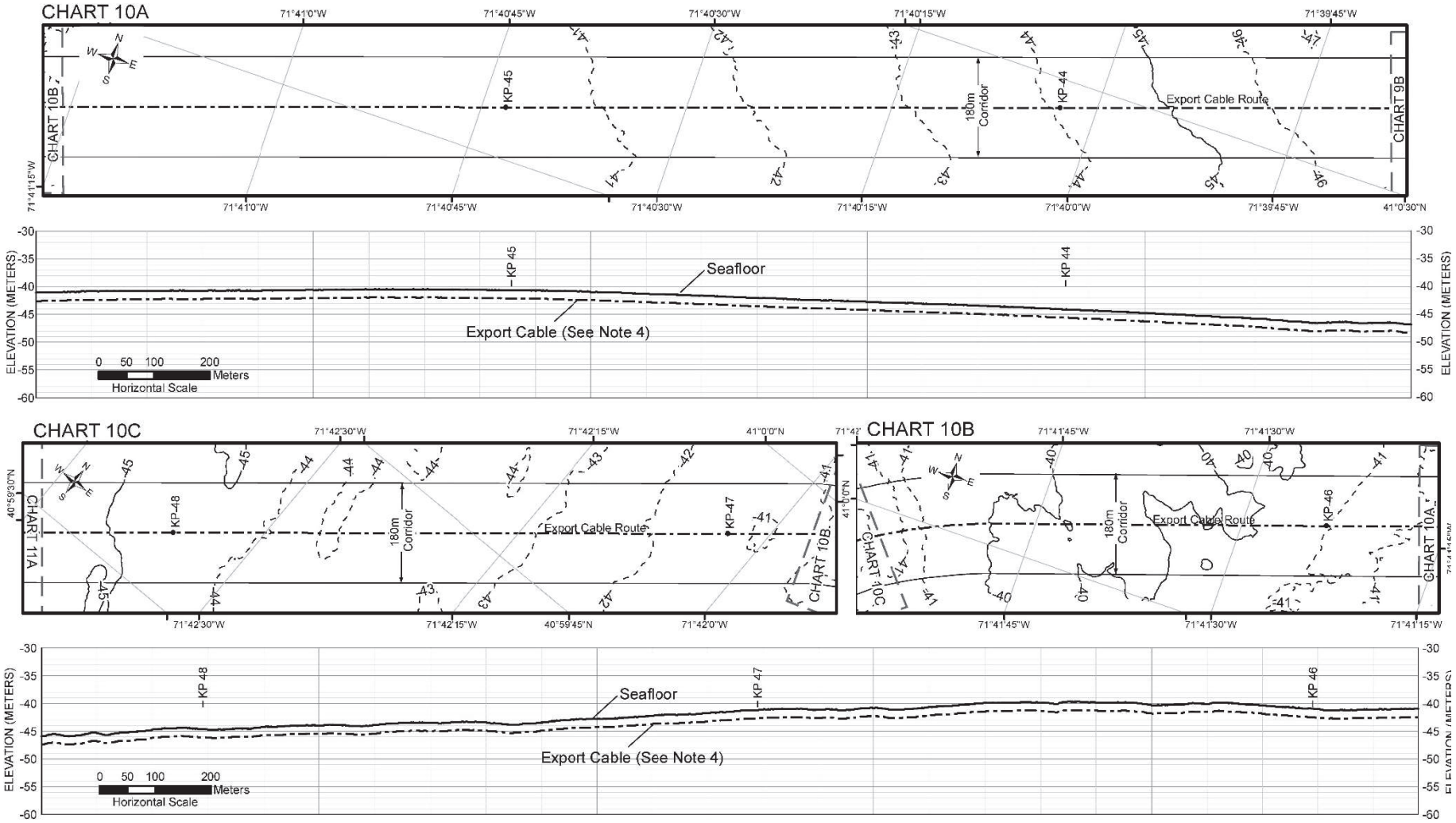
SFEC Plan and Profile

Atlantic Ocean
Sheet 21 of 45

South Fork Wind | Powered by Ørsted & Eversource



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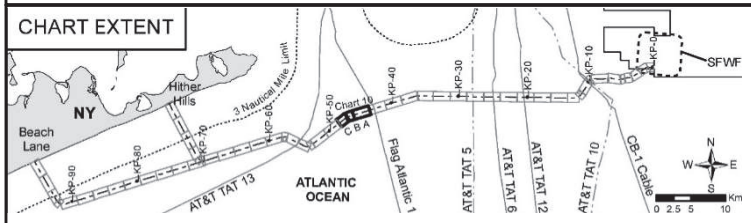

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
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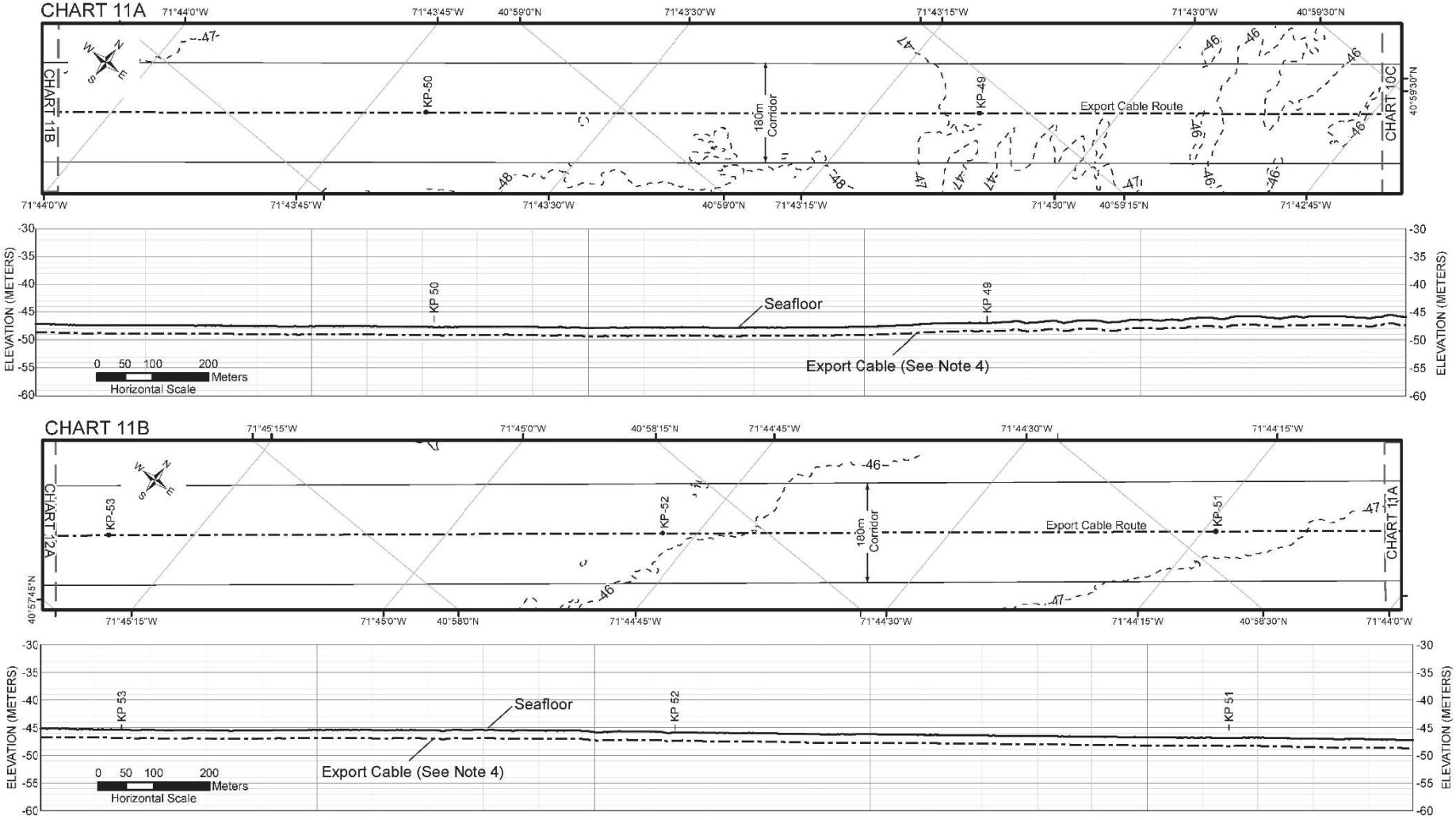
SFEC Plan and Profile

Atlantic Ocean
Sheet 22 of 45

South Fork Wind | Powered by Ørsted & Eversource



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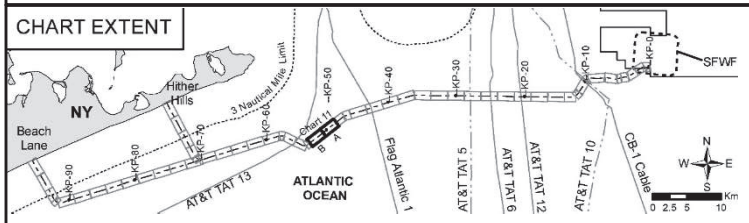

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
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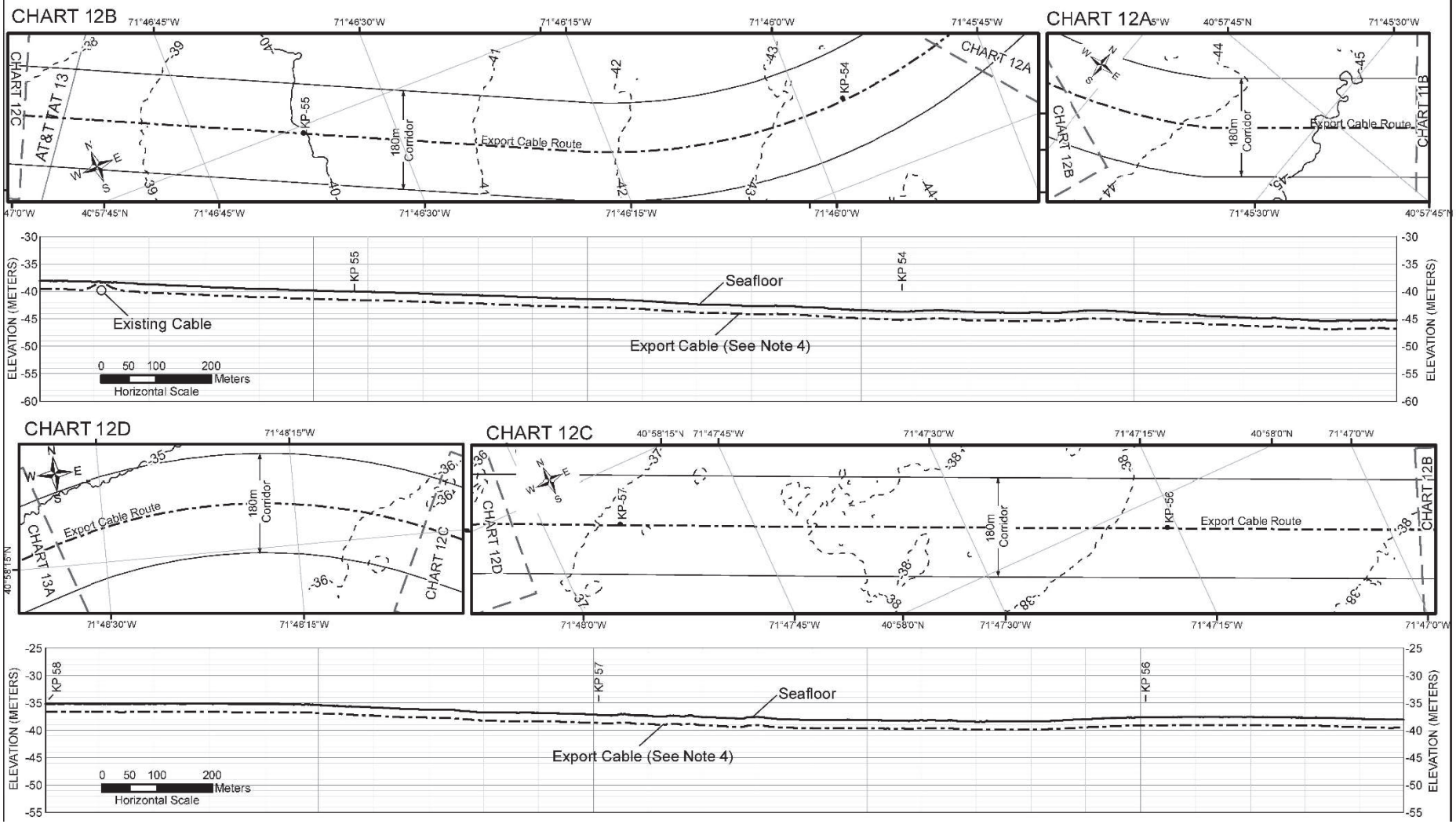
SFEC Plan and Profile

Atlantic Ocean
Sheet 23 of 45

South Fork Wind | Powered by Ørsted & Eversource



Horiz Scale: 1:10,000

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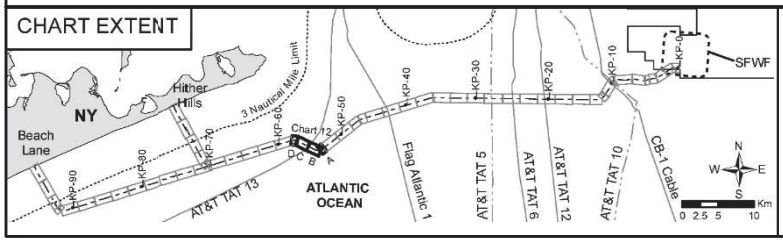

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
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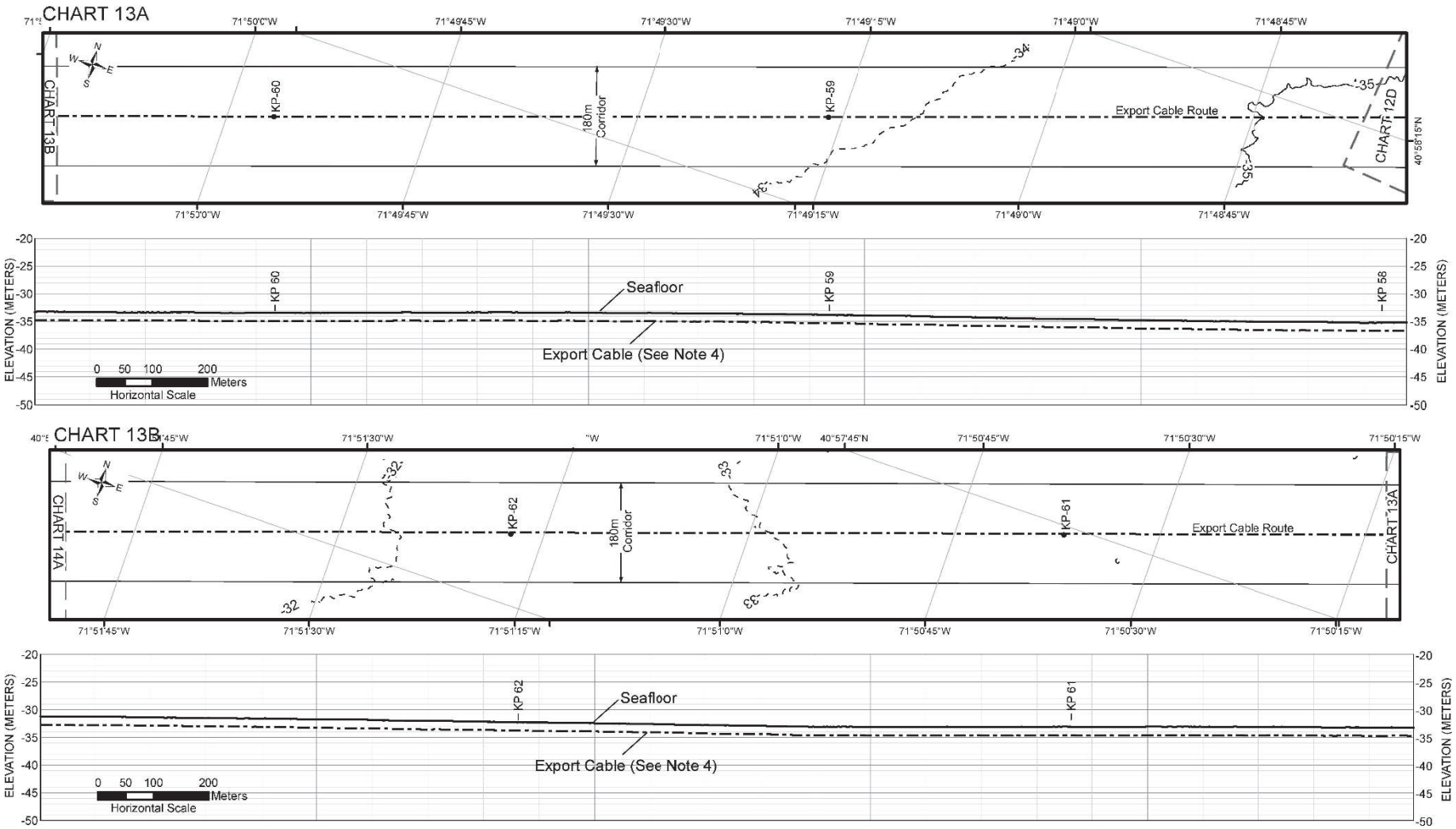
SFEC Plan and Profile

Atlantic Ocean
Sheet 24 of 45

South Fork Wind | Powered by Ørsted & Eversource



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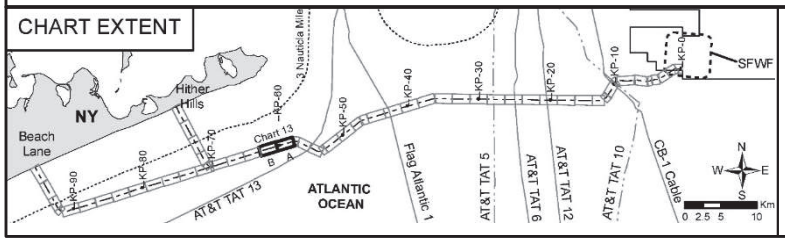

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
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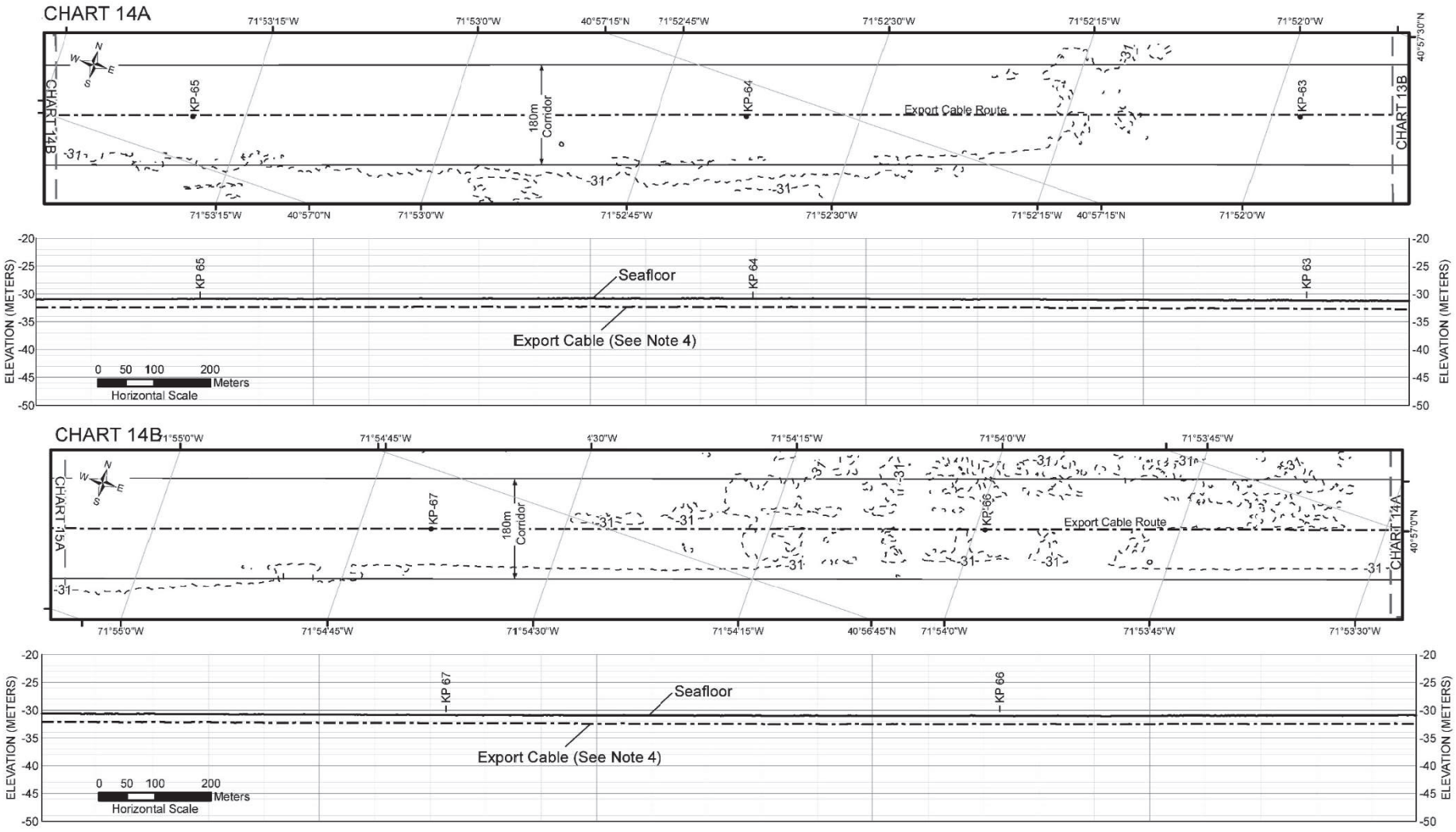
SFEC Plan and Profile

Atlantic Ocean
Sheet 25 of 45

South Fork Wind | Powered by Ørsted & Eversource



Horiz Scale: 1:10,000

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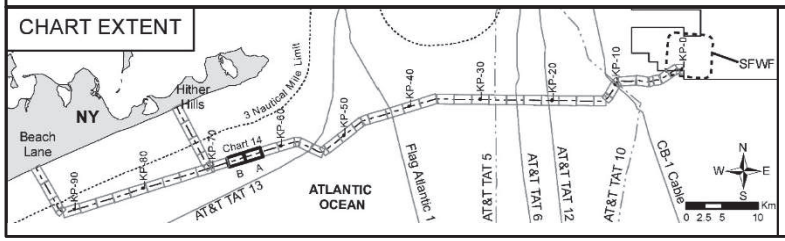

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2. Elevation is referenced to mean lower low water (MLLW) in meters
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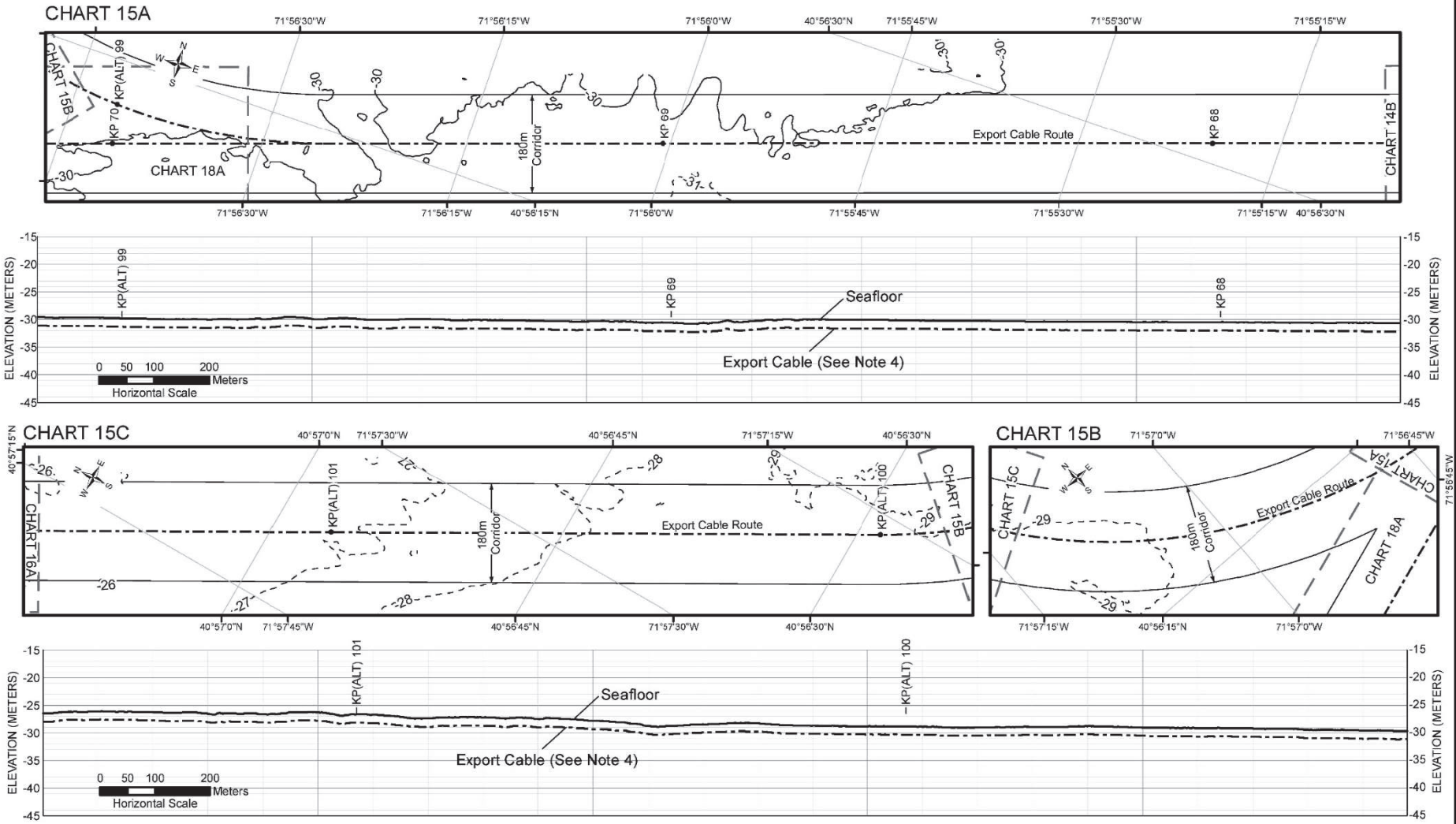
SFEC Plan and Profile

Atlantic Ocean
Sheet 26 of 45

South Fork Wind | Powered by Ørsted & Eversource



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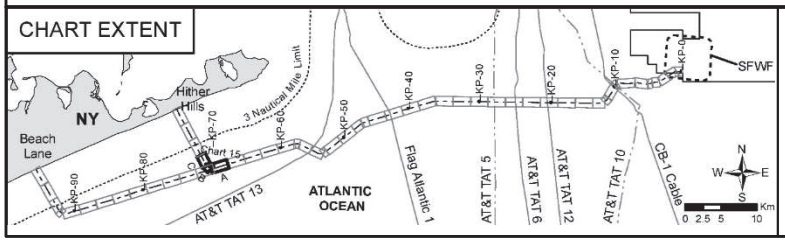

Notes:

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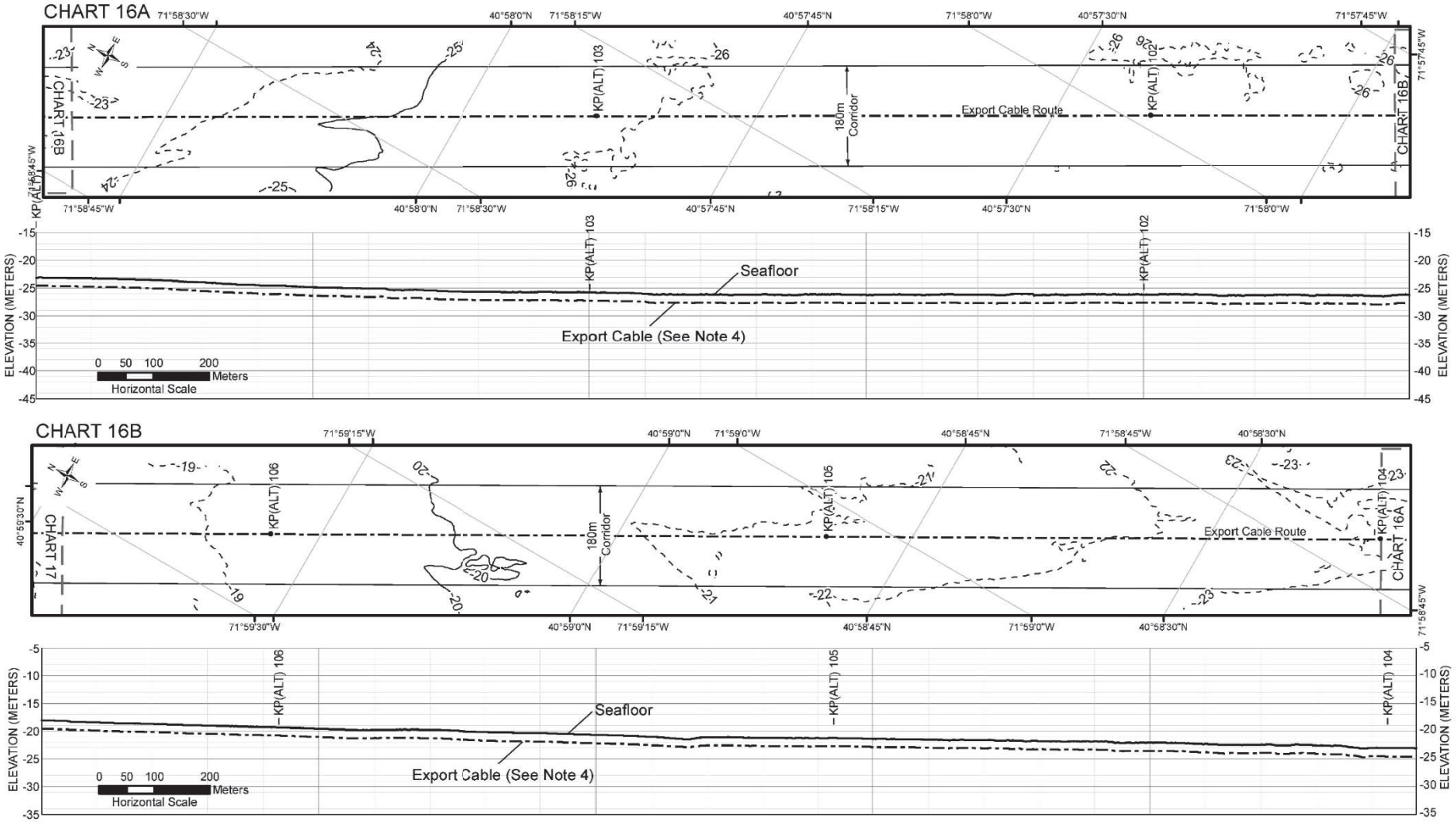
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)
5. Chart 15B and 15C are associated with Hither Hills Route that is no longer under consideration.

SFEC Plan and Profile

Atlantic Ocean
Sheet 27 of 45

South Fork Wind | Powered by Ørsted & Eversource



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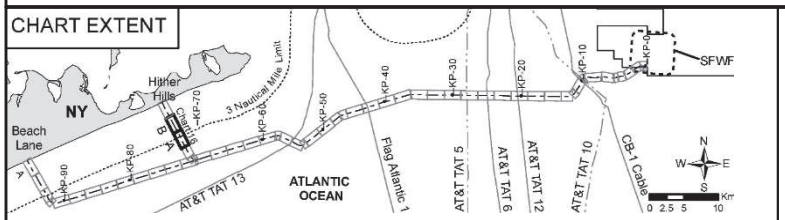

Notes:

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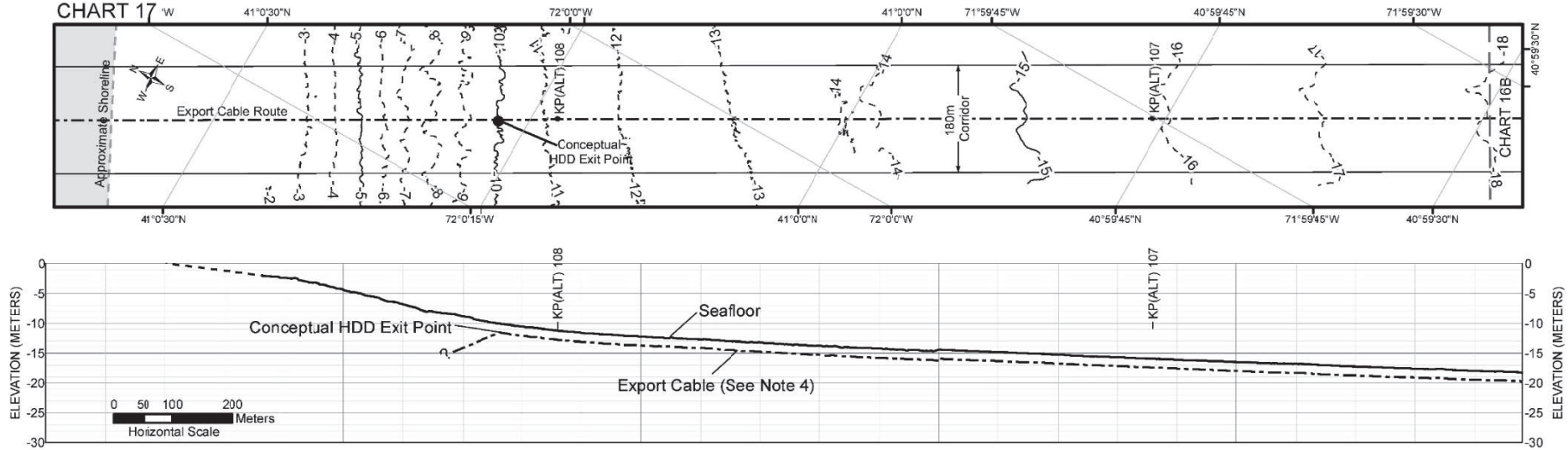
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)
5. Chart 16A and 16B are associated with Hither Hills Route that is no longer under consideration.

SFEC Plan and Profile
Hither Hills Alternative

Atlantic Ocean
Sheet 28 of 45

South Fork Wind | Powered by Ørsted & Eversource



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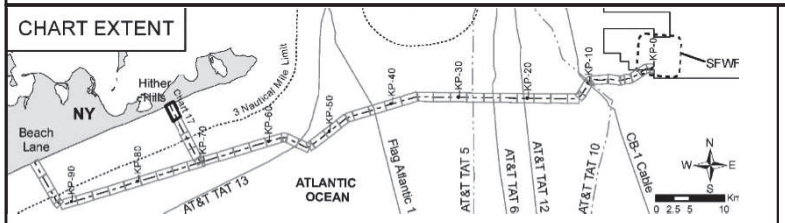

Notes:

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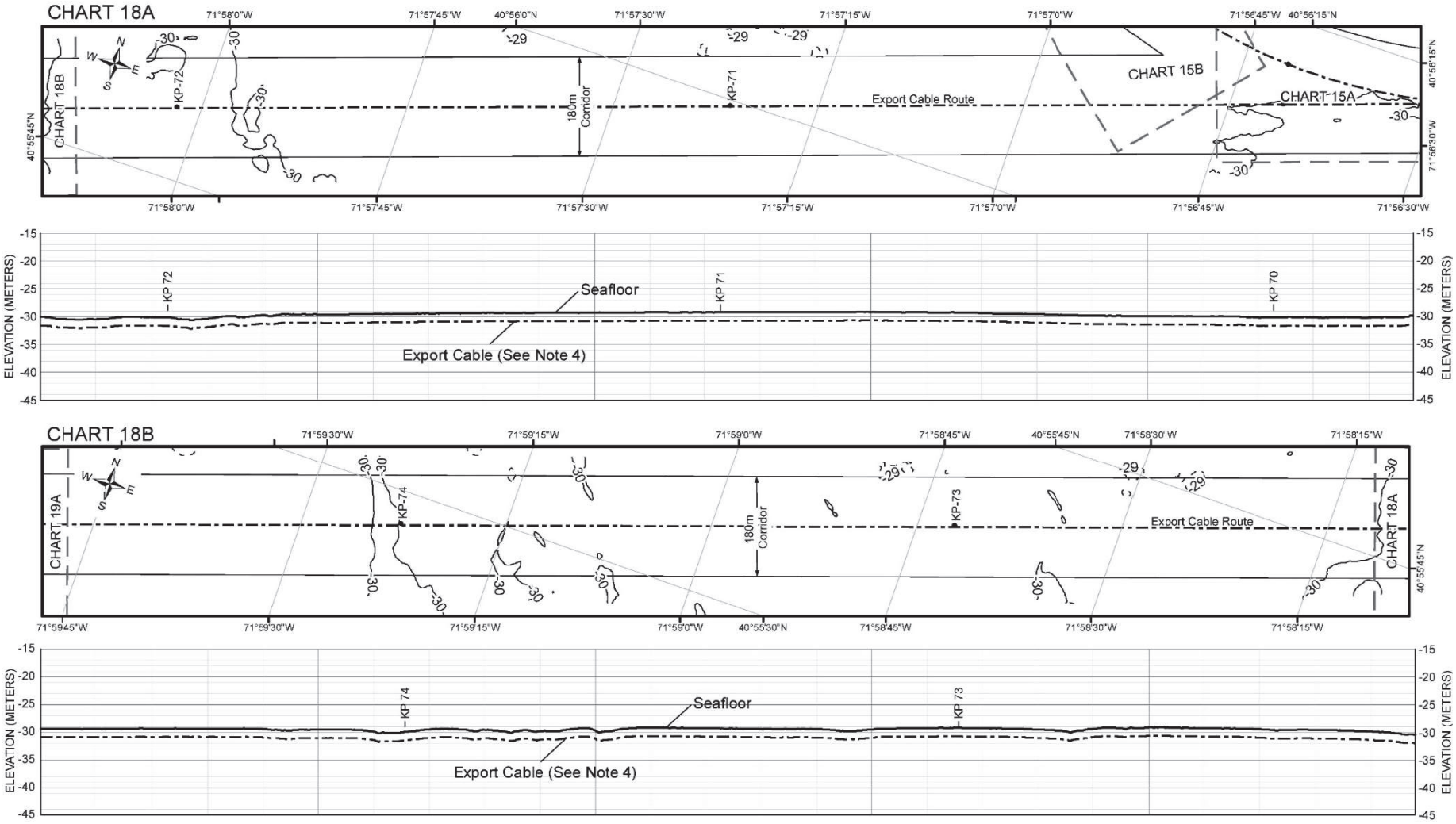
2. Elevation is referenced to mean lower low water (MLLW) in meters
3. Bathymetric data were collected by Fugro (2017) using multibeam echo sounder
4. Target burial depth for the SFEC is 1.2 to 1.8 meters (4 to 6 feet)
5. Chart 17 is associated with Hither Hills Route that is no longer under consideration.

SFEC Plan and Profile
Hither Hills Alternative

Atlantic Ocean
Sheet 29 of 45

South Fork Wind | Powered by Ørsted & Eversource



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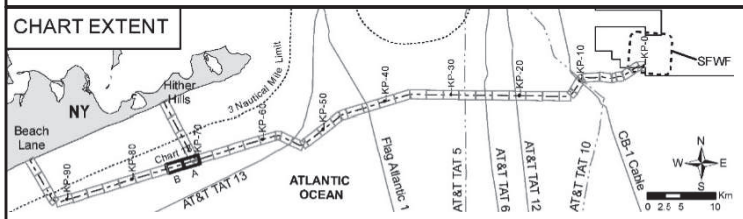

Notes:

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2. Elevation is referenced to mean lower low water (MLLW) in meters
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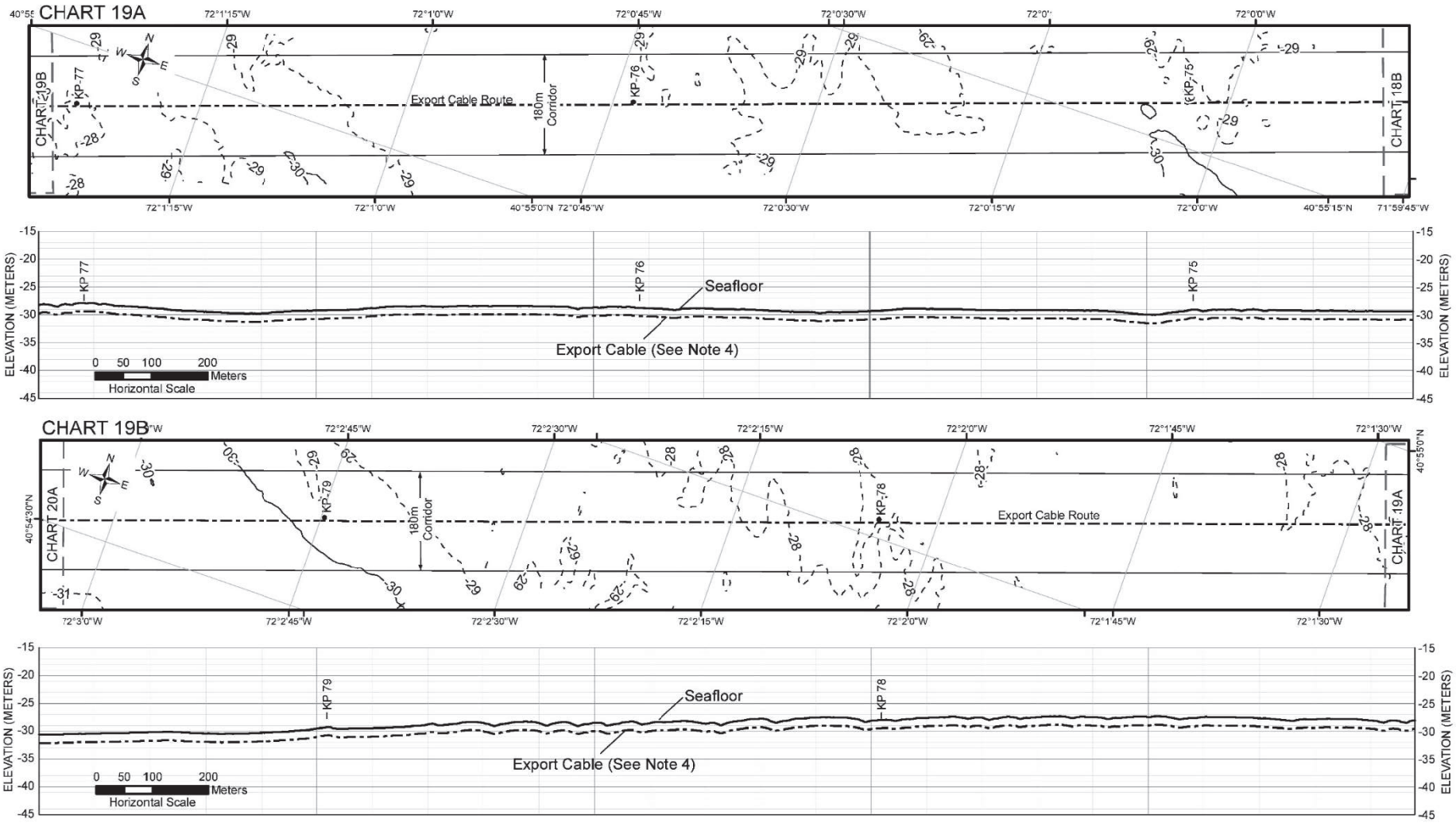
SFEC Plan and Profile

Atlantic Ocean
Sheet 30 of 45

South Fork Wind | Powered by Ørsted & Eversource



Horiz Scale: 1:10,000

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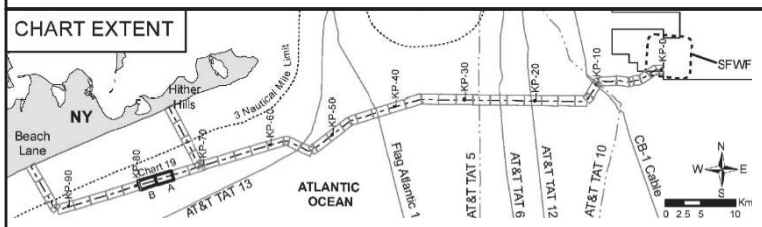

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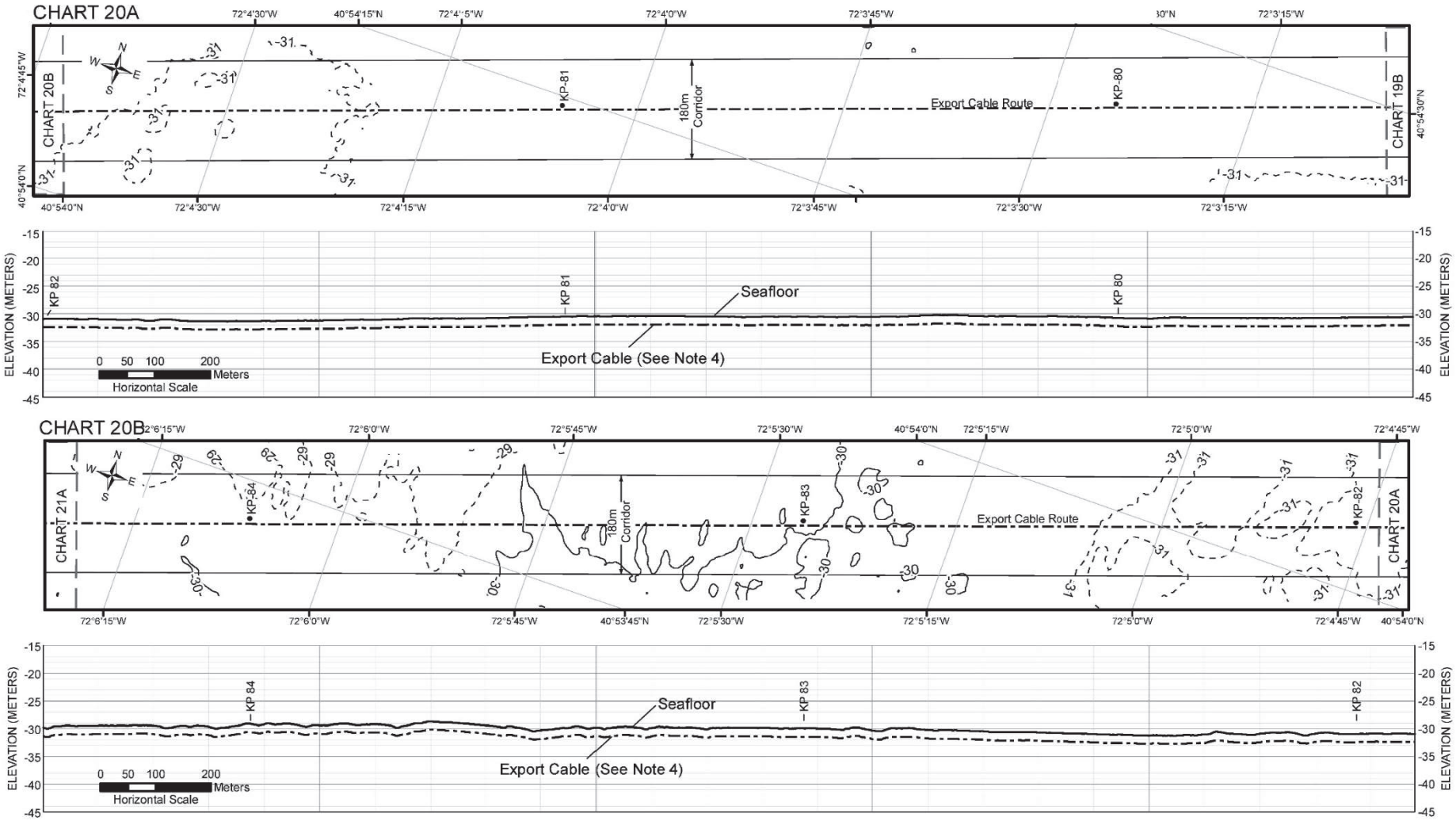
SFEC Plan and Profile

Atlantic Ocean
Sheet 31 of 45

South Fork Wind | Powered by Ørsted & Eversource



Horiz Scale: 1:10,000

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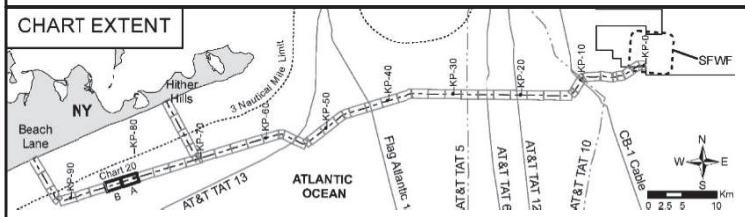

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SFEC Plan and Profile

Atlantic Ocean
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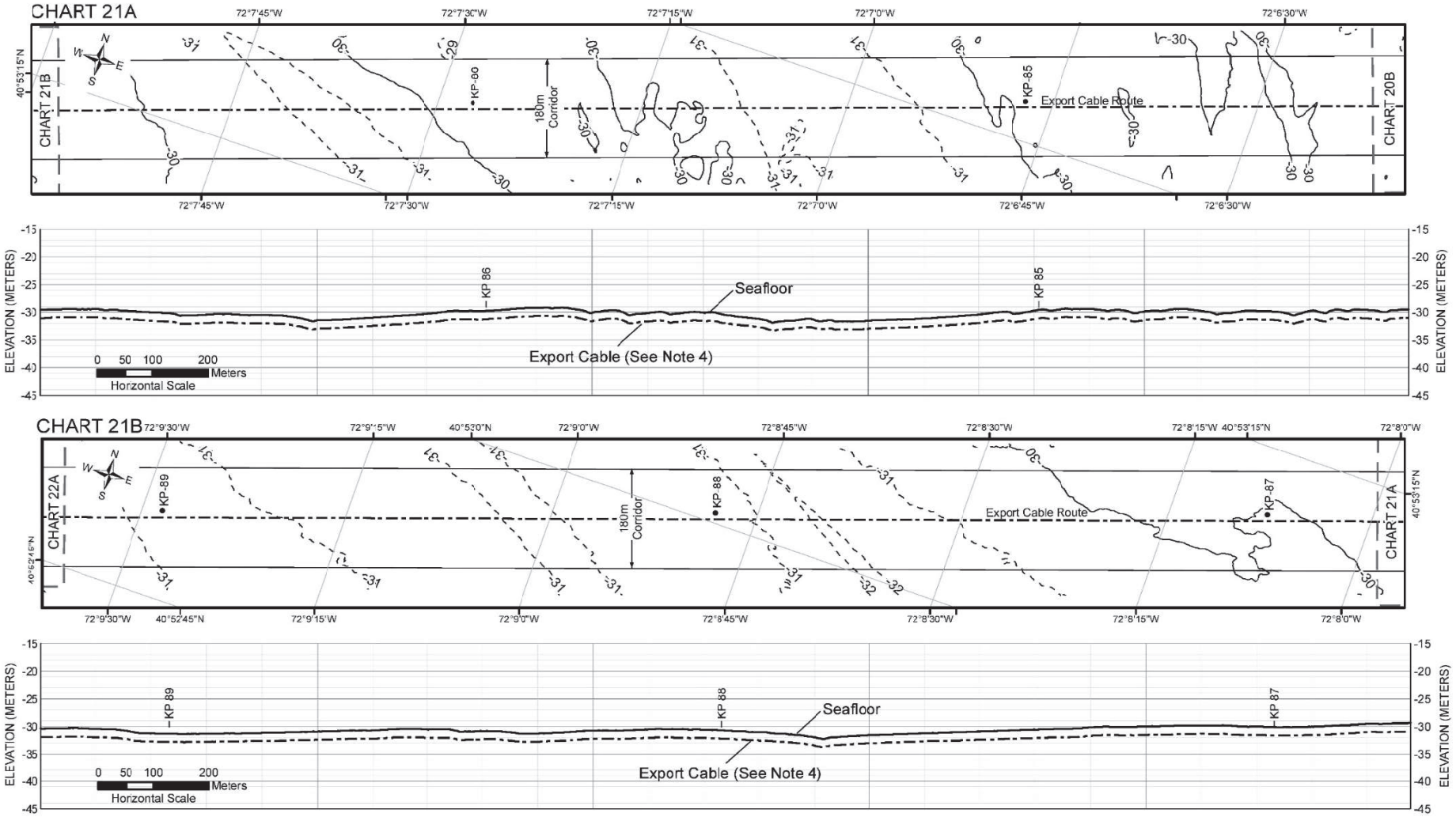
South Fork Wind | Powered by Ørsted & Eversource



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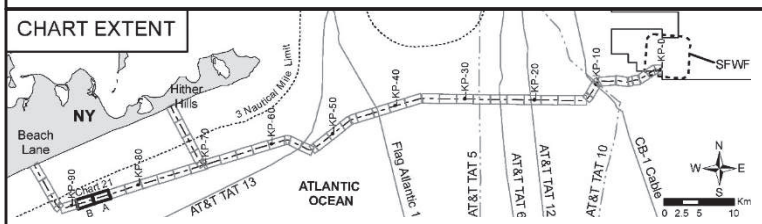

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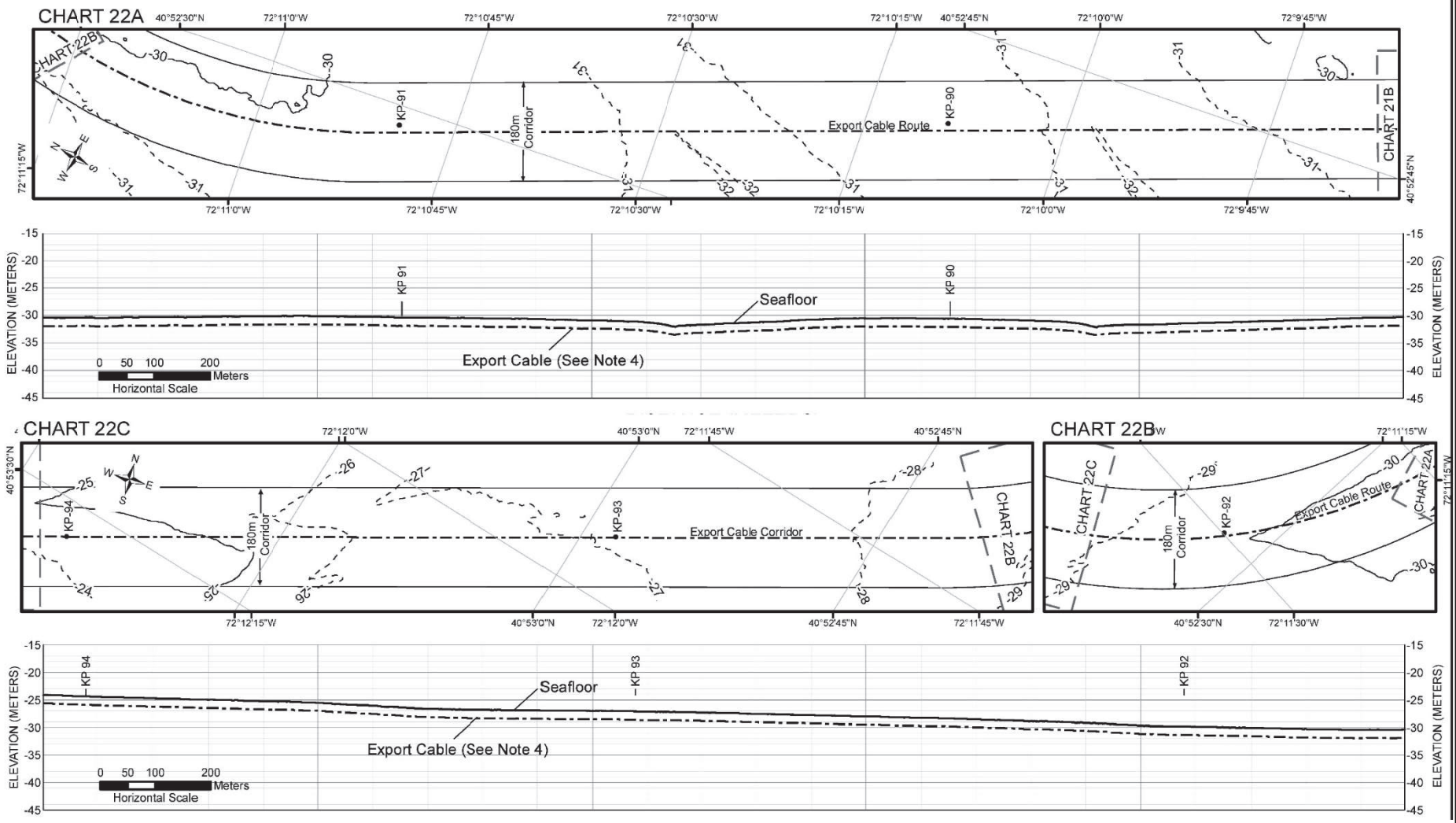
SFEC Plan and Profile

Atlantic Ocean
Sheet 33 of 45

South Fork Wind | Powered by Ørsted & Eversource



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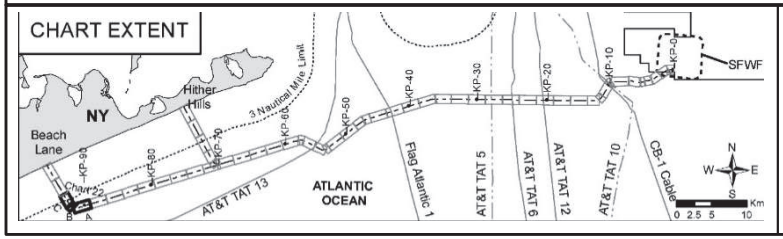

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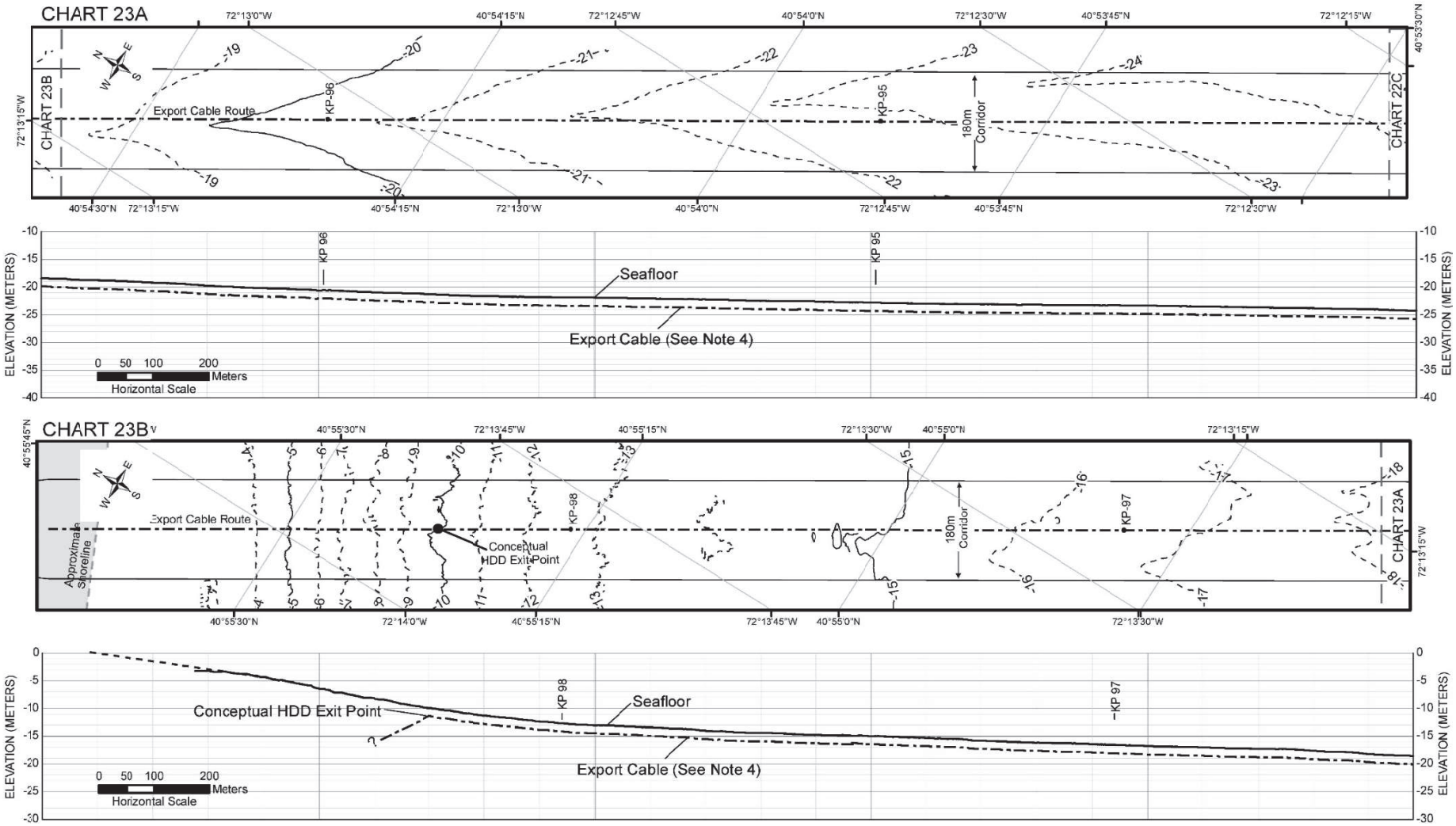
SFEC Plan and Profile

Atlantic Ocean
Sheet 34 of 45

South Fork Wind | Powered by Ørsted & Eversource



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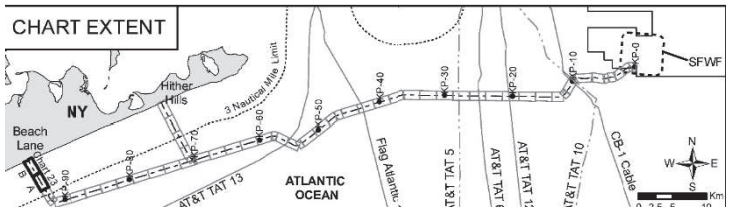

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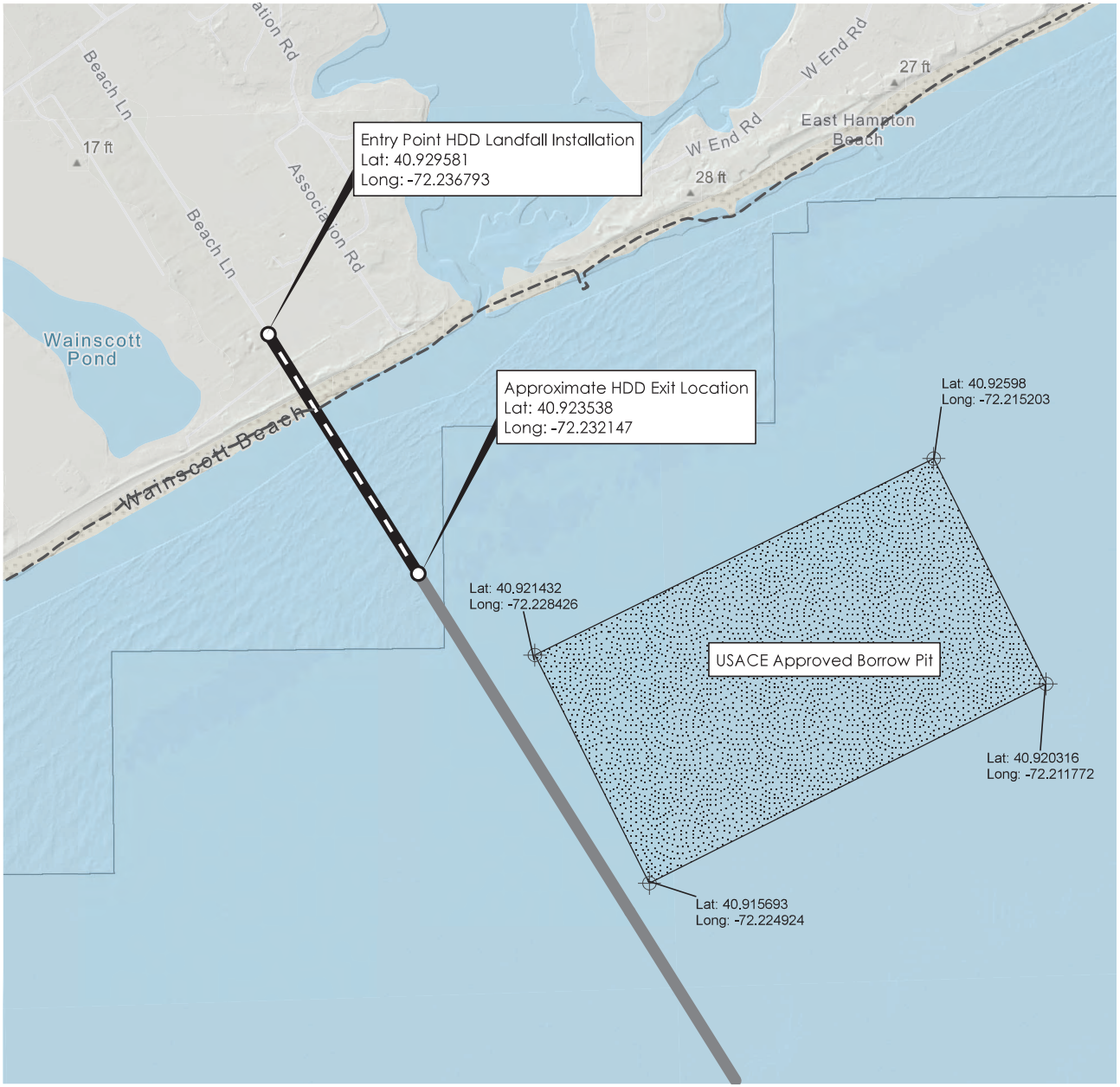
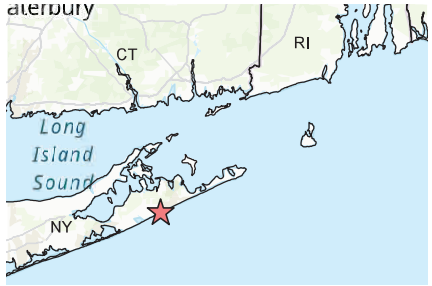
SFEC Plan and Profile

Atlantic Ocean
Sheet 35 of 45

South Fork Wind | Powered by Ørsted & Eversource





Legend

- Approximate HDD Entry and Exit Pit Locations
- Sea-to-Shore Transition
- SFEC New York State Waters (NYS)
- Approximate Mean High Water Line
- USACE Approved Borrow Pit

N

0 1,000 Feet

(At original document size of 8.5x11)

Notes:

1. Site is located in Atlantic Ocean, near East Hampton, NY.
2. The exit location will be approximately 1,750 feet (533 m) from the MHWL, sited at location with approximately 35 to 40 feet (7.6 to 12.2 m) of water depth. A new underground transition vault will be placed within the roadway approximately 800 feet (243 m) onshore from the MHWL.
3. Mean High Water Line derived from National Geodetic Survey (NGS) NOAA Shoreline Data Explorer, Continually Updated Shoreline Product (CUSP).

SFWF Sea-to-Shore Transition
Vicinity Map

Atlantic Ocean
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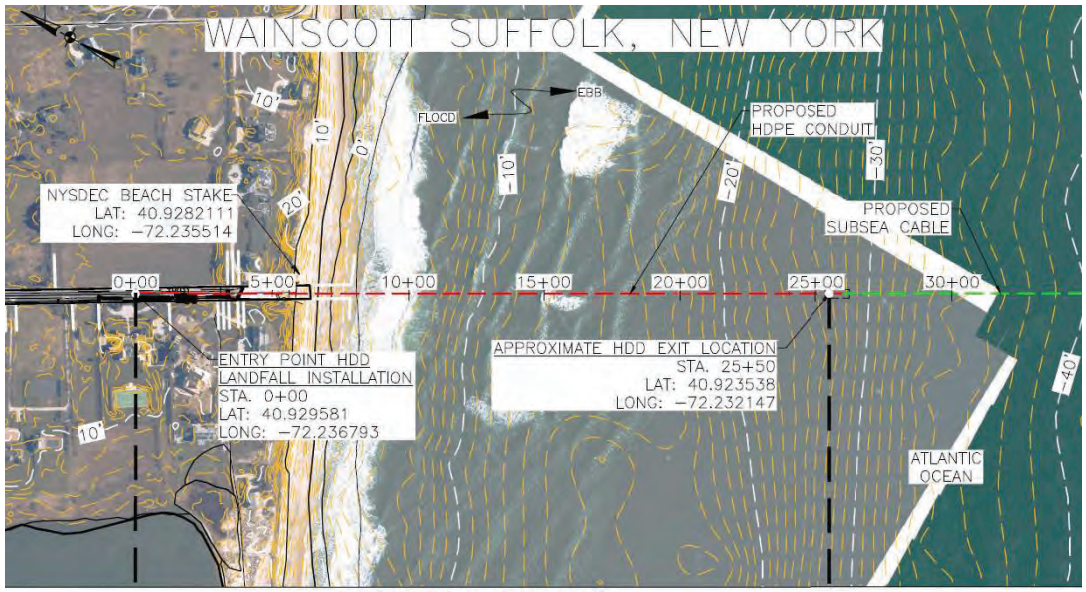
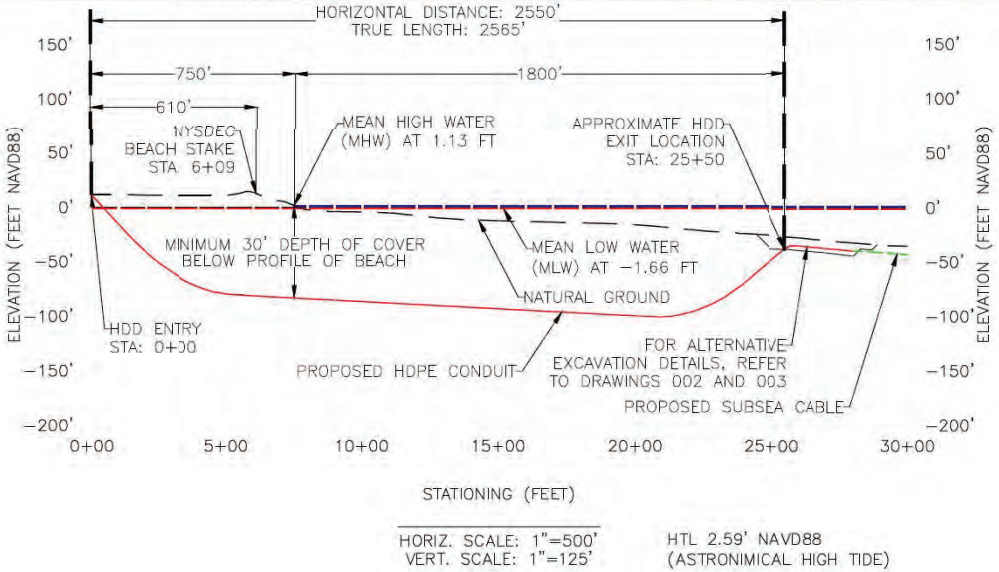
South Fork Wind | Powered by Ørsted & Eversource





HDD Notes:

1. Vertical datum: NAVD 83, Horizontal datum: UTM Zone 19, Feet
2. All elevations are referenced to NAV88 (0.00'). 0.00' NAVD88 = -1.78' MLLW, -1.66' MLW, +1.13' MWH and +2.59' HTL (based on highest astronomical tide).
3. Dimensions provided on drawing are in feet unless otherwise noted.
4. All chainages are horizontal
5. Method of HDPE conduit construction shall be by horizontal directional drilling.
6. HDD Exit Point is located within an excavation. This excavation will help achieve the required burial depth of the HDPE conduit.
7. Drill path shown on the drawings refers to the centerline of the proposed HDD installation. Drilling tolerances may result in slight deviations from these stations and elevations.
8. Approximate exit pit location may include temporary cofferdam (or equal) and temporary support structures. Temporary structures including but not limited to conduit support piles and secondary protection may be installed at the exit pit location to aid in the installation of the HDD. These features would be located within the currently proposed footprint of the cofferdam or excavation and would be removed upon completion of the cable installation.
9. The initial exit pit excavation to be conducted with the use of an environmental clamshell bucket. Dredged sediment may be placed in a hopper scow(s) or similar for temporary storage. The scow(s) may require occasional decanting to remove excess water during dredging operations. Upon completion of the HDD installation, the dredged sediment will be used to backfill and restore the exit pit to its pre-excavation conditions. The dredged sediment will be analyzed for contamination prior to its use as a backfill. Should the sediment be determined unsuitable for placement, the sediment will be disposed of at a NYSDEC-authorized upland disposal facility or alternative with appropriate approvals. If additional fill is necessary to restore the area to its pre-excavated conditions, clean fill of similar grainsize will be acquired from an upland source and placed as backfill.
10. Prior to cable pull in, the dredged area at the end of the HDPE conduit may require targeted removal/clearing of accumulated sediment due to infilling, to avoid damaging the conduit; this work would be conducted with the use of an airlift, controlled flow excavation, and/or suction dredging or similar equipment.
11. Permanent secondary protection may be placed above the HDPE conduit at the exit pit excavation. If concrete mattresses are used for secondary protection, individual mattress dimensions will be approximately 8' wide by 20' length by 1' thick. If other secondary protection methods are proposed, dimensions may differ.
12. The depicted cofferdam and dredge footprint are intended to represent maximum design scenarios. The actual footprints of these activities are dependent on the final installation methodology and engineered design but are anticipated to be smaller than the footprints depicted.
13. Rock bags or equivalent may be temporarily placed within excavation to prevent infilling during HDD operations.

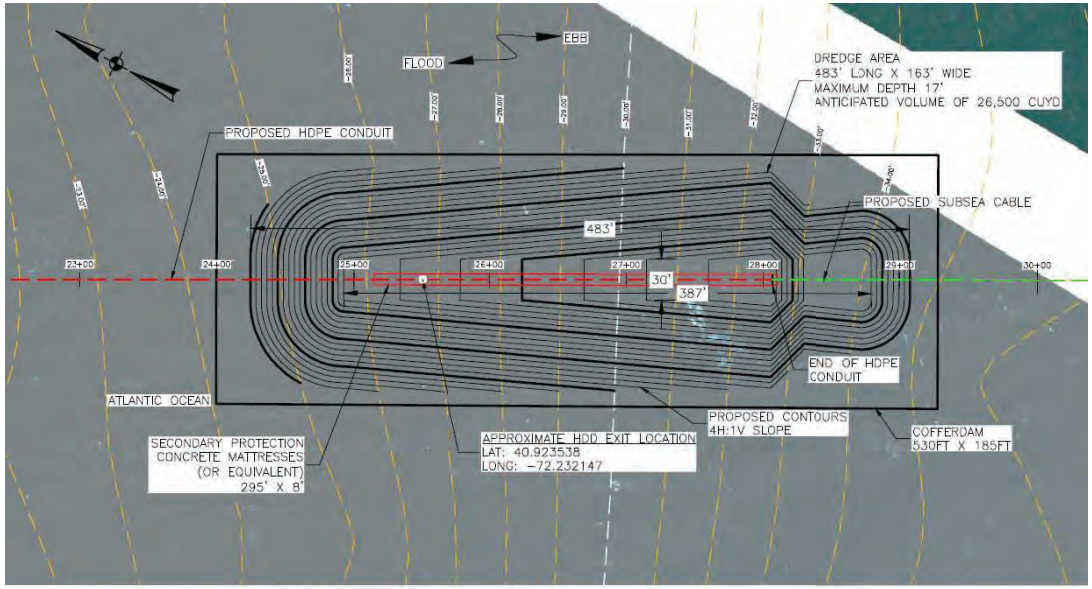
Notes:

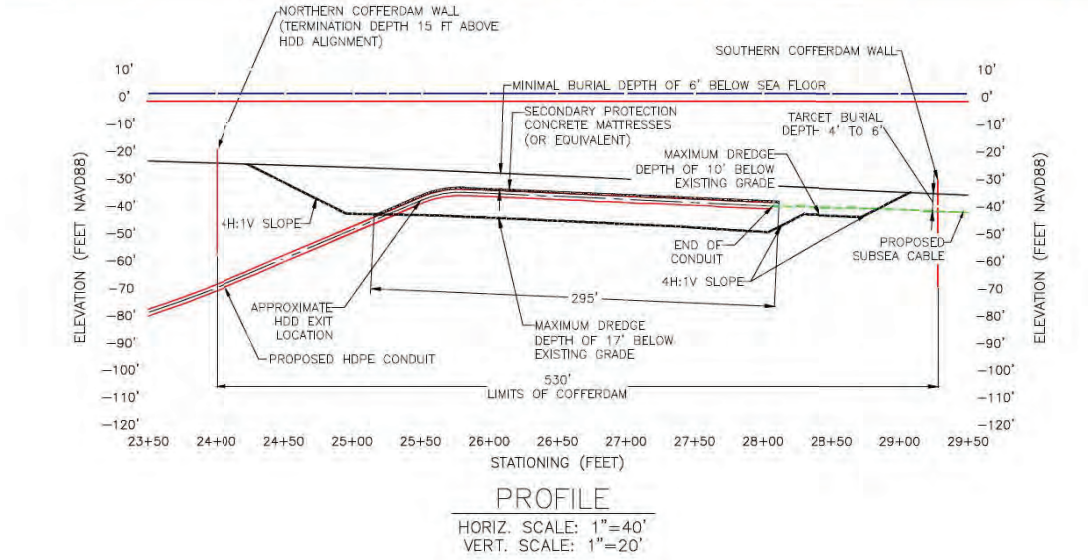
1. The sea-to-shore transition for the SFEC-NYS will be installed using HDD between onshore underground cable installation vault and the offshore HDD exit location.
2. HDD exit location may utilitize offshore sheet pile cofferdam, gravity cell cofferdam, or no cofferdam. The exit location will be approximately 1,750 feet (533 m) from the MHWL, sited at location with approximately 35 to 40 feet (7.6 to 12.2 m) of water depth.
3. The cable will be installed at least 30 feet (9.1 m) below the current profile of the beach. Depth depicted in the figure is approximate and final depth will be determined during final engineering design.
4. A new underground transition vault will be placed within the roadway approximately 800 feet (243 m) onshore from the MHWL.

SFEC Plan and Profile
HDD Installation

Atlantic Ocean
Sheet 37 of 45

South Fork Wind | Powered by Ørsted & Eversource





HDD Notes:

1. Vertical datum: NAVD 83, Horizontal datum: UTM Zone 19, Feet
2. All elevations are referenced to NAV88 (0.00'). 0.00' NAVD88 = -1.78' MLLW, -1.66' MLW, +1.13' MWH and +2.59' HTL (based on highest astronomical tide).
3. Dimensions provided on drawing are in feet unless otherwise noted.
4. All chainages are horizontal
5. Method of HDPE conduit construction shall be by horizontal directional drilling.
6. HDD Exit Point is located within an excavation. This excavation will help achieve the required burial depth of the HDPE conduit.
7. Drill path shown on the drawings refers to the centerline of the proposed HDD installation. Drilling tolerances may result in slight deviations from these stations and elevations.
8. Approximate exit pit location may include temporary cofferdam (or equal) and temporary support structures. Temporary structures including but not limited to conduit support piles and secondary protection may be installed at the exit pit location to aid in the installation of the HDD. These features would be located within the currently proposed footprint of the cofferdam or excavation and would be removed upon completion of the cable installation.
9. The initial exit pit excavation to be conducted with the use of an environmental clamshell bucket. Dredged sediment may be placed in a hopper scow(s) or similar for temporary storage. The scow(s) may require occasional decanting to remove excess water during dredging operations. Upon completion of the HDD installation, the dredged sediment will be used to backfill and restore the exit pit to its pre-excavation conditions. If additional fill is necessary to restore the area to its pre-excavated conditions, clean fill of similar grainsize will be acquired from an upland source and placed as backfill.
10. Prior to cable pull in, the dredged area at the end of the HDPE conduit may require targeted removal/clearing of accumulated sediment due to infilling, to avoid damaging the conduit; this work would be conducted with the use of an airlift, controlled flow excavation, and/or suction dredging or similar equipment.
11. Permanent secondary protection may be placed above the HDPE conduit at the exit pit excavation. If concrete mattresses are used for secondary protection, individual mattress dimensions will be approximately 8' wide by 20' length by 1' thick. If other secondary protection methods are proposed, dimensions may differ.
12. The depicted cofferdam and dredge footprint are intended to represent maximum design scenarios. The actual footprints of these activities are dependent on the final installation methodology and engineered design but are anticipated to be smaller than the footprints depicted.
13. Rock bags or equivalent may be temporarily placed within excavation to prevent infilling during HDD operations.

Notes:

1. The sea-to-shore transition for the SFEC-NYS will be installed using HDD between onshore underground cable installation vault and the offshore HDD exit location.
2. HDD exit location may utilize offshore sheet pile cofferdam, gravity cell cofferdam, or no cofferdam. The exit location will be approximately 1,750 feet (533 m) from the MHWL, sited at location with approximately 35 to 40 feet (7.6 to 12.2 m) of water depth.
3. The cable will be installed at least 30 feet (9.1 m) below the current profile of the beach. Depth depicted in the figure is approximate and final depth will be determined during final engineering design.
4. A new underground transition vault will be placed within the roadway approximately 800 feet (243 m) onshore from the MHWL.

SFEC Plan and Profile
HDD Installation (w/Cofferdam)

Atlantic Ocean
Sheet 38 of 45

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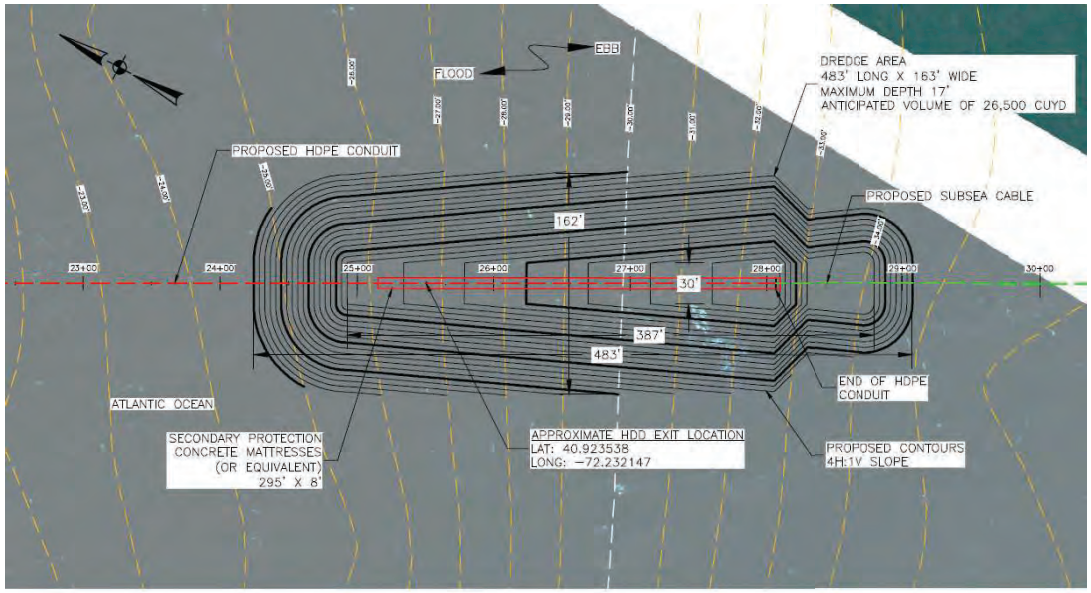

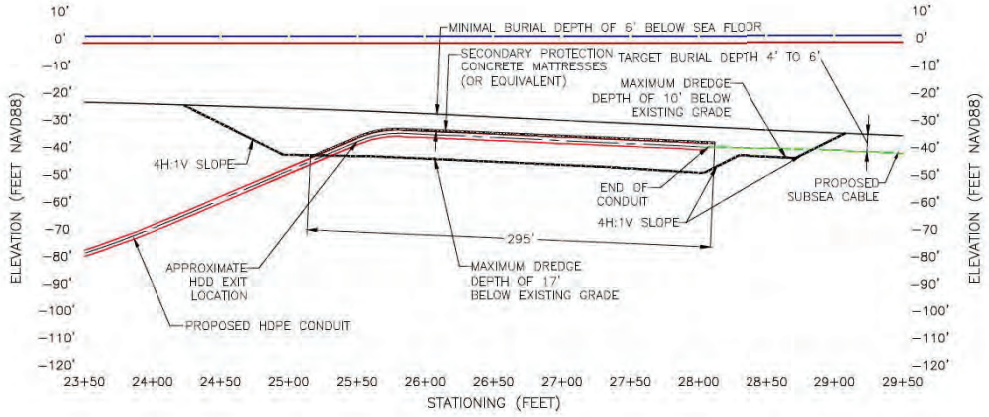

PROFILE
HORIZ. SCALE: 1"=40'
VERT. SCALE: 1"=20'

HDD Notes:

1. Vertical datum: NAVD 83, Horizontal datum: UTM Zone 19, Feet
2. All elevations are referenced to NAV88 (0.00'). 0.00' NAVD88 = -1.78' MLLW, -1.66' MLW, +1.13' MWH and +2.59' HTL (based on highest astronomical tide).
3. Dimensions provided on drawing are in feet unless otherwise noted.
4. All chainages are horizontal
5. Method of HDPE conduit construction shall be by horizontal directional drilling.
6. HDD Exit Point is located within an excavation. This excavation will help achieve the required burial depth of the HDPE conduit.
7. Drill path shown on the drawings refers to the centerline of the proposed HDD installation. Drilling tolerances may result in slight deviations from these stations and elevations.
8. Approximate exit pit location may include temporary cofferdam (or equal) and temporary support structures. Temporary structures including but not limited to conduit support piles and secondary protection may be installed at the exit pit location to aid in the installation of the HDD. These features would be located within the currently proposed footprint of the cofferdam or excavation and would be removed upon completion of the cable installation.
9. The initial exit pit excavation to be conducted with the use of an environmental clamshell bucket. Dredged sediment may be placed in a hopper scow(s) or similar for temporary storage. The scow(s) may require occasional decanting to remove excess water during dredging operations. Upon completion of the HDD installation, the dredged sediment will be used to backfill and restore the exit pit to its pre-excavation conditions. If additional fill is necessary to restore the area to its pre-excavated conditions, clean fill of similar grainsize will be acquired from an upland source and placed as backfill.
10. Prior to cable pull in, the dredged area at the end of the HDPE conduit may require targeted removal/clearing of accumulated sediment due to infilling, to avoid damaging the conduit; this work would be conducted with the use of an airlift, controlled flow excavation, and/or suction dredging or similar equipment.
11. Permanent secondary protection may be placed above the HDPE conduit at the exit pit excavation. If concrete mattresses are used for secondary protection, individual mattress dimensions will be approximately 8' wide by 20' length by 1' thick. If other secondary protection methods are proposed, dimensions may differ.
12. The depicted cofferdam and dredge footprint are intended to represent maximum design scenarios. The actual footprints of these activities are dependent on the final installation methodology and engineered design but are anticipated to be smaller than the footprints depicted.
13. Rock bags or equivalent may be temporarily placed within excavation to prevent infilling during HDD operations.

Notes:

1. The sea-to-shore transition for the SFEC-NYS will be installed using HDD between onshore underground cable installation vault and the offshore HDD exit location.
2. HDD exit location may utilitize offshore sheet pile cofferdam, gravity cell cofferdam, or no cofferdam. The exit location will be approximately 1,750 feet (533 m) from the MHWL, sited at location with approximately 35 to 40 feet (7.6 to 12.2 m) of water depth.
3. The cable will be installed at least 30 feet (9.1 m) below the current profile of the beach. Depth depicted in the figure is approximate and final depth will be determined during final engineering design.
4. A new underground transition vault will be placed within the roadway approximately 800 feet (243 m) onshore from the MHWL.

SFEC Plan and Profile
HDD Installation (No Cofferdam)

Atlantic Ocean
Sheet 39 of 45

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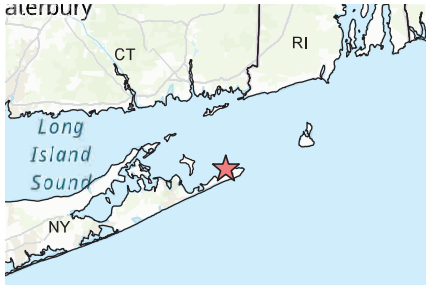


Legend

- O & M Facility
- Federal Navigation Channel
- Beach Nourishment Area
- Approximate Mean High Water Line

N

0 1,000 Feet

(At original document size of 8.5x11)

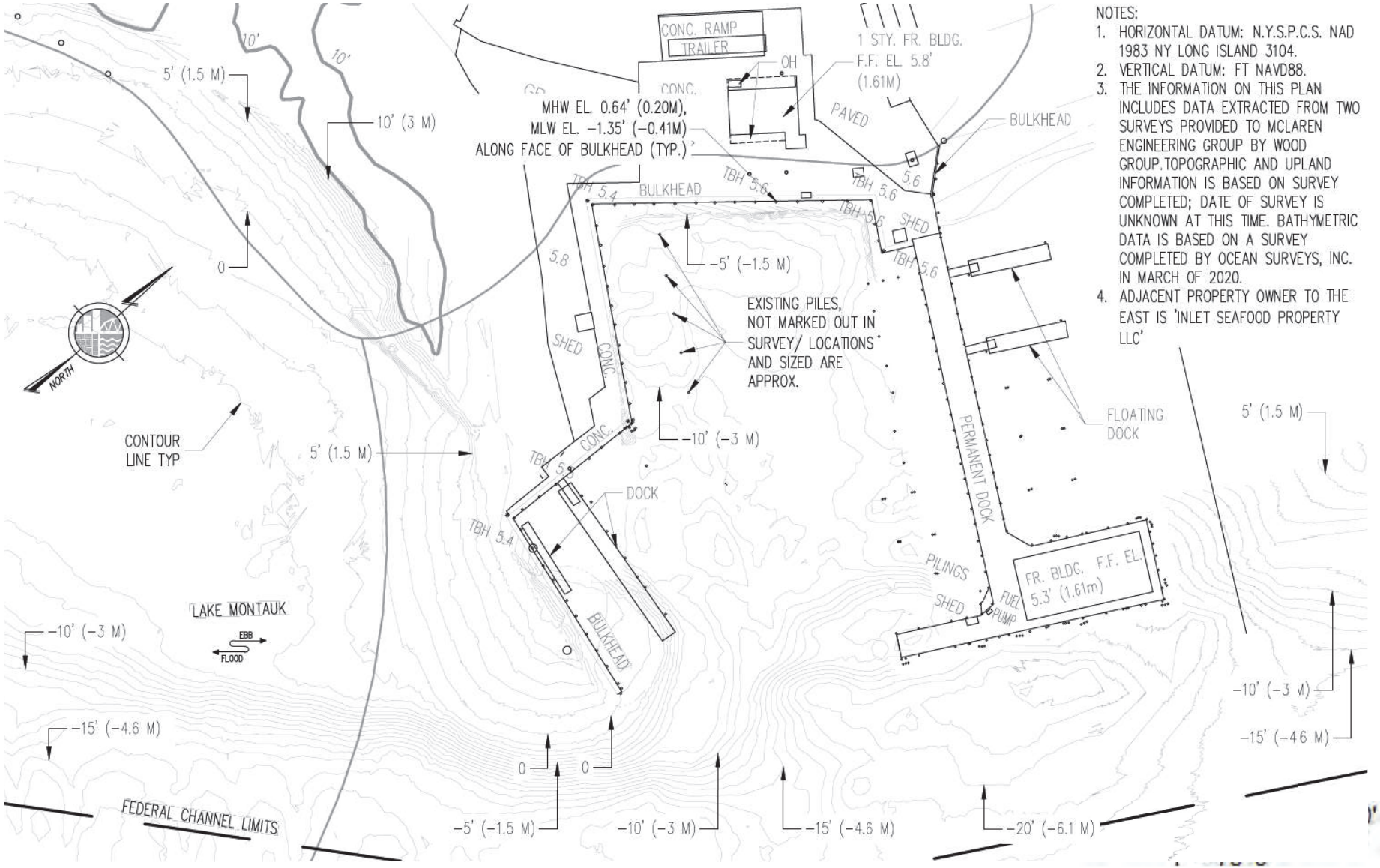
Notes:

1. Site is located in Lake Montauk, Suffolk County, NY.
2. Adjacent property owner to the east is Inlet Seafood Property LLC.
3. Mean High Water Line derived from National Geodetic Survey (NGS) NOAA Shoreline Data Explorer, Continually Updated Shoreline Product (CUSP).

SFWF O&M Montauk
Vicinity Map

Lake Montauk
Sheet 40 of 45

South Fork Wind | Powered by Ørsted & Eversource



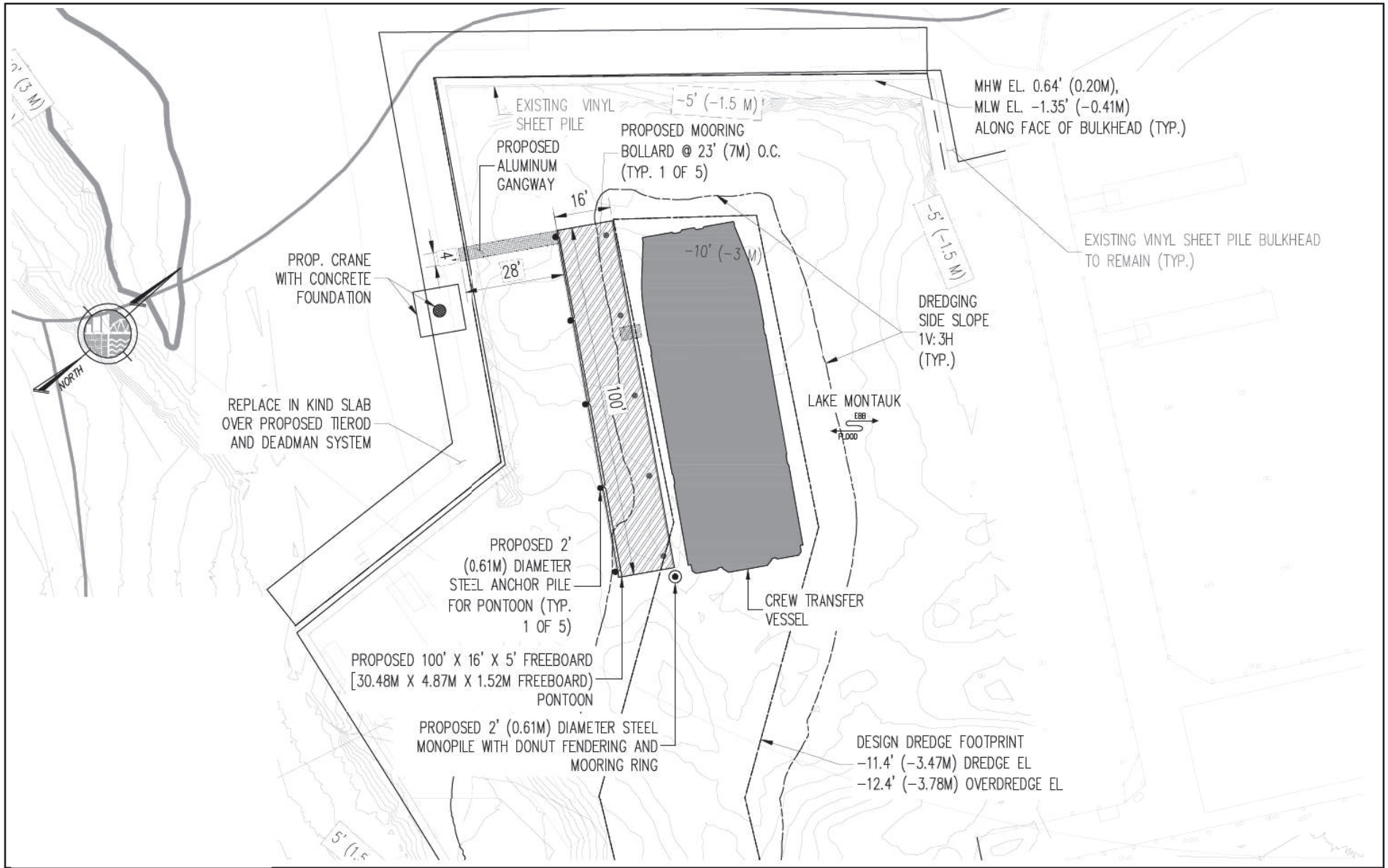
Notes:

1. Data extracted from two surveys provided to McLaren Engineering Group by Wood Group. Topographic and upland information is based on survey completed; date of survey is unknown. Bathymetric data is sed on a survey completed by Ocean Surveys, Inc in March 2020.
2. Site is located in Lake Montauk, Montauk, Suffolk County, NY
3. Adjacent property owner to the east is Inlet Seafood Property LLC.

SFWF O&M Montauk
Existing Conditions

Lake Montauk
Sheet 41 of 45

South Fork Wind | Powered by Ørsted & Eversource



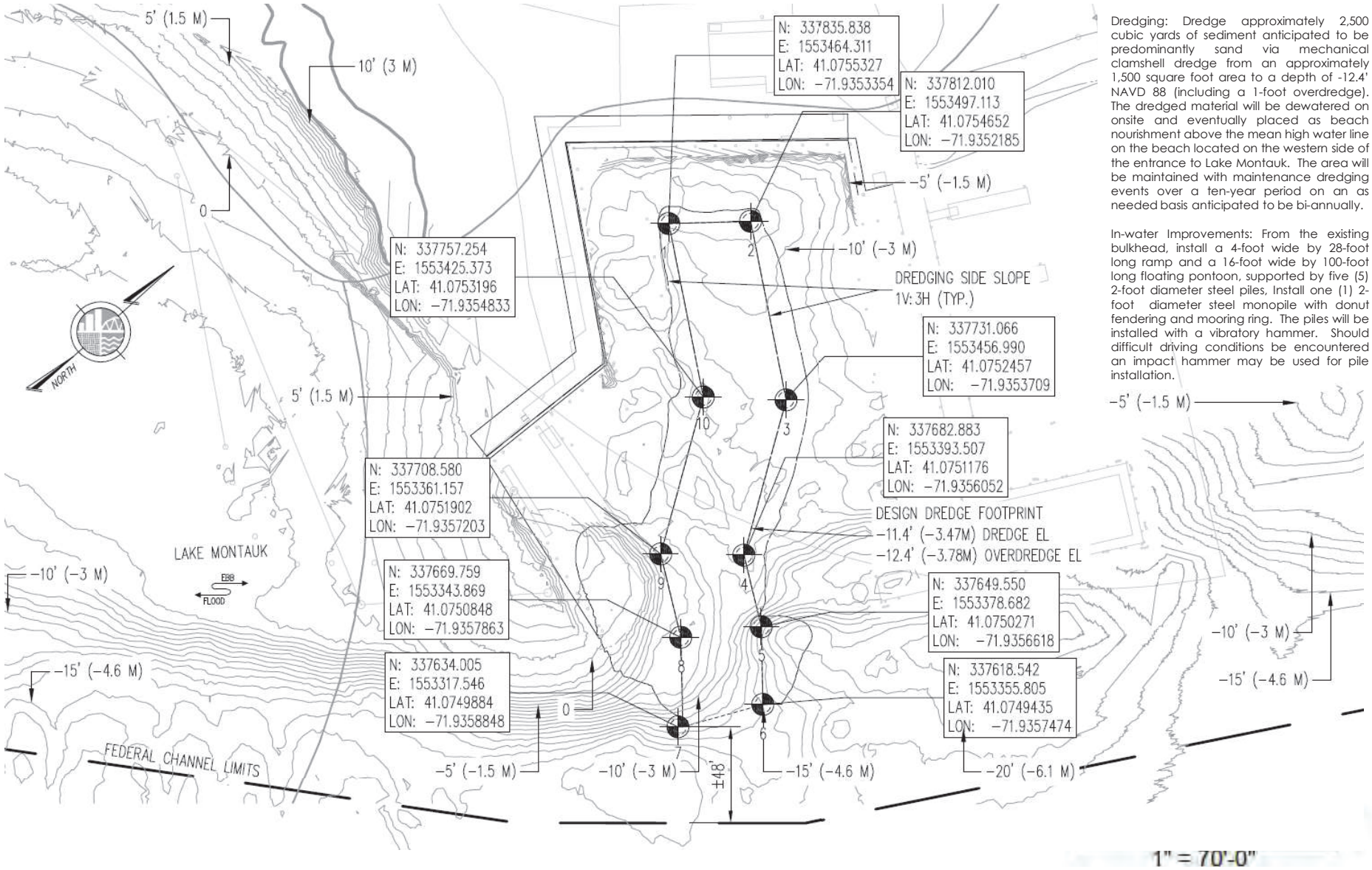
Notes:

1. Project information provided by South Fork Wind and The Wood Group. Data extracted from two surveys provided to McLaren Engineering Group by The Wood Group. Topographic and upland information is based on survey completed; date of survey is unknown. Bathymetric data is sed on a survey completed by Ocean Surveys, Inc in March 2020.
2. Site is located in Lake Montauk, Montauk, Suffolk County, NY
3. Structures include floating aluminum pontoon duck (up to 16' wide by 100' long, [1,600 sf]), stationary aluminum gangway (up to 4' wide by 28' long, [112 sf]), and one additional support piles (up to 2" diameter [3 sf].

SFWF O&M Montauk
Proposed Structures – Plan

Lake Montauk
Sheet 42 of 45

South Fork Wind | Powered by Ørsted & Eversource



Dredging: Dredge approximately 2,500 cubic yards of sediment anticipated to be predominantly sand via mechanical clamshell dredge from an approximately 1,500 square foot area to a depth of -12.4' NAVD 88 (including a 1-foot overdredge). The dredged material will be dewatered on onsite and eventually placed as beach nourishment above the mean high water line on the beach located on the western side of the entrance to Lake Montauk. The area will be maintained with maintenance dredging events over a ten-year period on an as needed basis anticipated to be bi-annually.

In-water Improvements: From the existing bulkhead, install a 4-foot wide by 28-foot long ramp and a 16-foot wide by 100-foot long floating pontoon, supported by five (5) 2-foot diameter steel piles, Install one (1) 2-foot diameter steel monopile with donut fendering and mooring ring. The piles will be installed with a vibratory hammer. Should difficult driving conditions be encountered an impact hammer may be used for pile installation.

Notes:

1. Data extracted from two surveys provided to McLaren Engineering Group by Wood Group. Topographic and upland information is based on survey completed; date of survey is unknown. Bathymetric data is sed on a survey completed by Ocean Surveys, Inc in March 2020.
2. Site is located in Lake Montauk, Montauk, Suffolk County, NY
3. Initial dredge area of approximately 2,500 yd^3 (1,911 m^3). Maintenance dredging when required will be similar area and volume. Dredged materials will be used for beach nourishment or disposed at appropriate facility.

SFWF O&M Montauk
Proposed Dredging – Plan

Lake Montauk
Sheet 43 of 45

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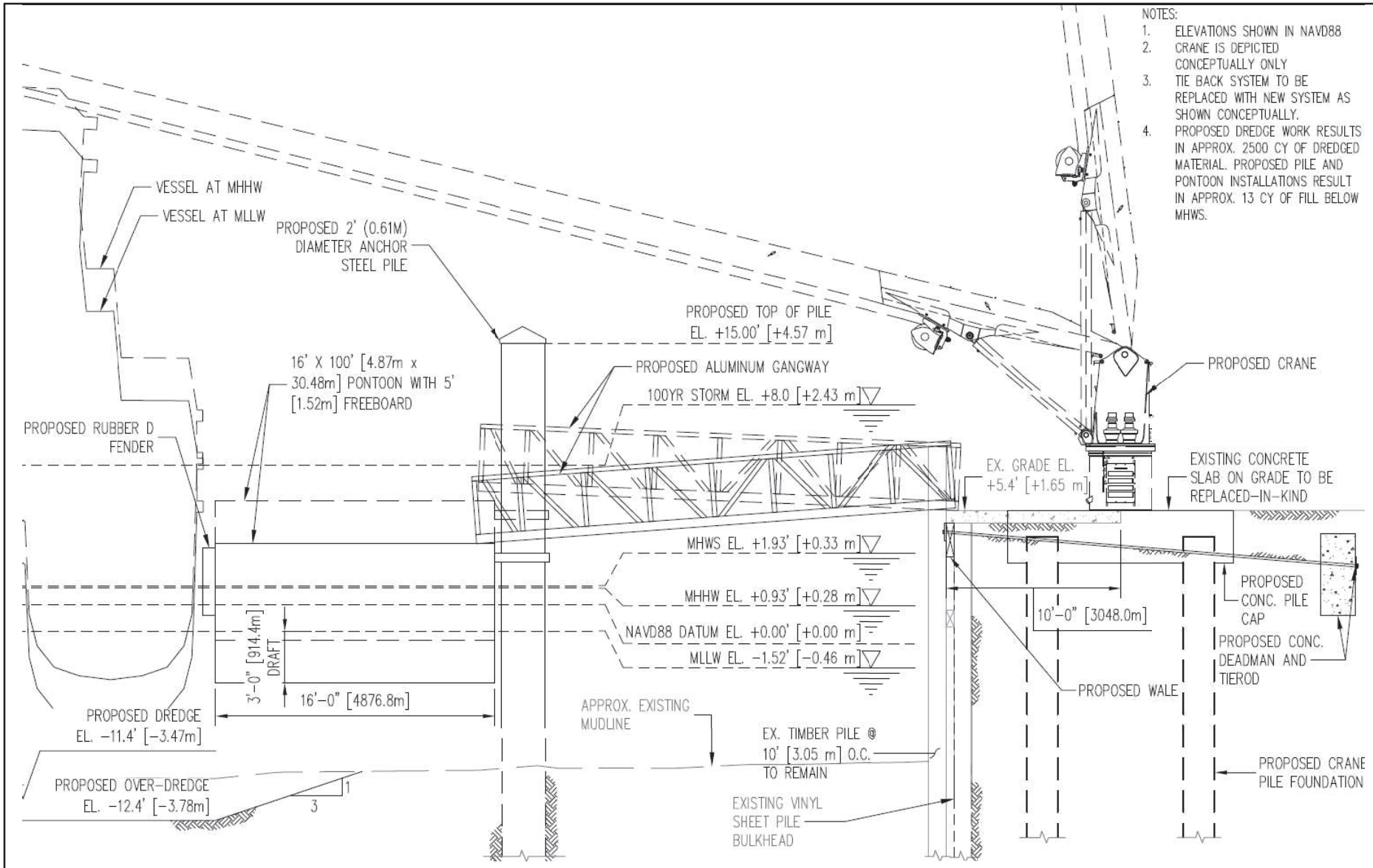


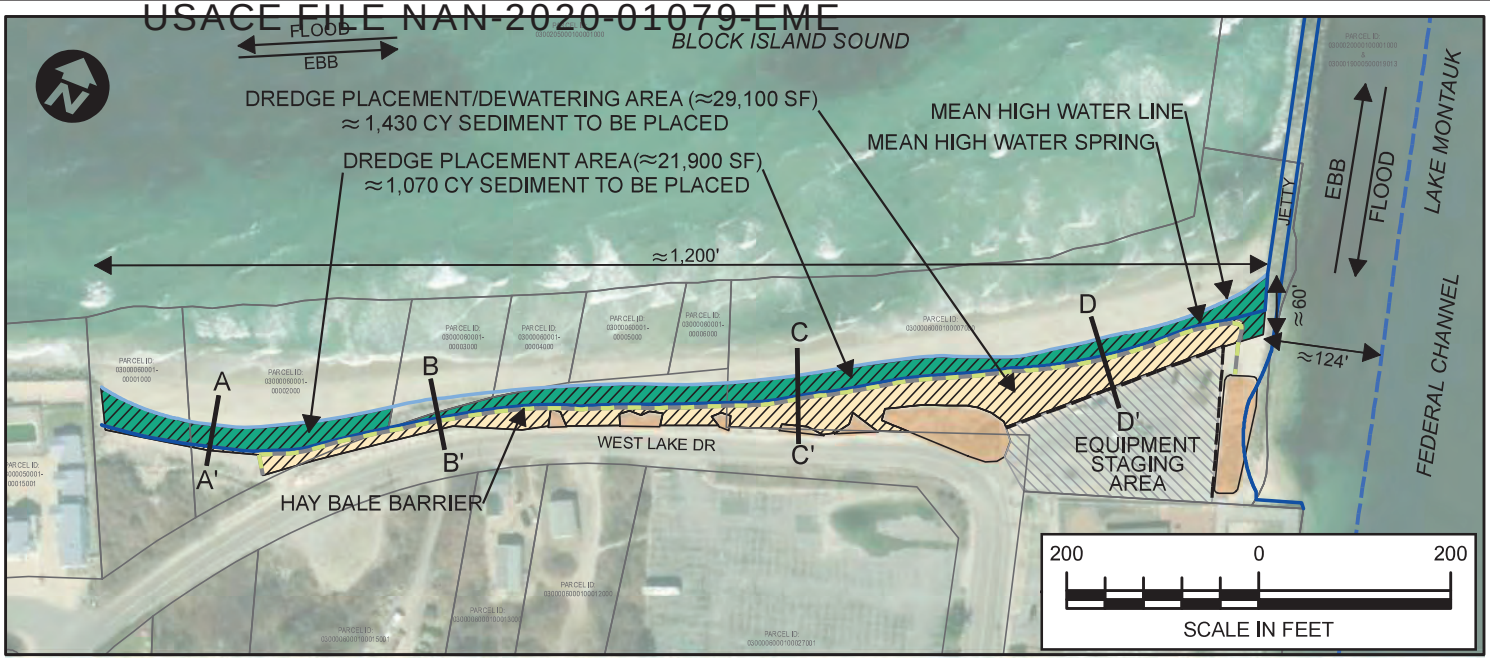
Notes:

1. Crane is depicted conceptually only.
2. Tie-back system to be replaced with new system as shown conceptually.
3. Proposed dredge work results in approximately 2,500 cubic yards of dredged material, proposed pile, and pontoon installations results in approximately 13 cubic yards of fill below MHWS.

SFWF O&M Montauk
Proposed Dredging – Cross-Section at Pontoon
Lake Montauk
Sheet 44 of 45

South Fork Wind | Powered by Ørsted & Eversource

January 6, 2021



NAD 1983 STATE PLANE NEW YORK LONG ISLAND FIPS 3104 FEET PROJECTION: TRANSVERSE MERCATOR DATUM: NORTH AMERICAN 1983 UNITS: FOOT US

LEGEND

- DREDGE PLACEMENT/ DEWATERING AREA
- DREDGE PLACEMENT AREA
- MEAN HIGH WATER (MHW) EL 2.17' RELATIVE TO THE MLLW
- MEAN HIGH WATER SPRING(MHWS) EL 2.81' RELATIVE TO THE MLLW
- HAY BALE BARRIER
- STAGING AREA
- DUNE GRASS AREA
- FEDERAL CHANNEL
- EDGE OF PARKING LOT
- TAX PARCEL BOUNDARY

NOTES:

1. 2,500 CY SEDIMENT TO BE PLACED IN APPROXIMATELY 51,000 FT2 DREDGE PLACEMENT AREA AND DEWATERING AREA
2. 1,070 CUBIC YARDS OF DREDGE MATERIAL PLACED BELOW MHWS; 1,430 CUBIC YARDS OF DREDGE MATERIAL PLACED ABOVE THE MHWS
3. MEAN LOW WATER (MLW) IS -0.17 FEET REFERENCED TO MLLW.
4. MLW SUBJECT TO CHANGE DUE TO THE HIGHLY DYNAMIC NATURE OF THIS AREA

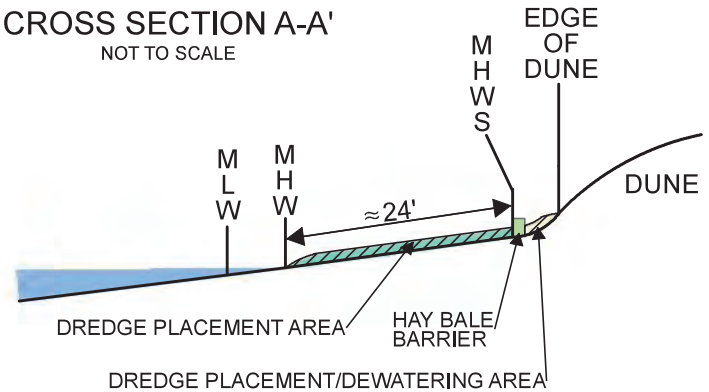
SOURCE –

PARCELS; SUFFOLK COUNTY DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING. 2020/10/30.

ESRI IMAGERY BASEMAP; ESRI, MAXAR; IMAGE DATE 3/14/2020.

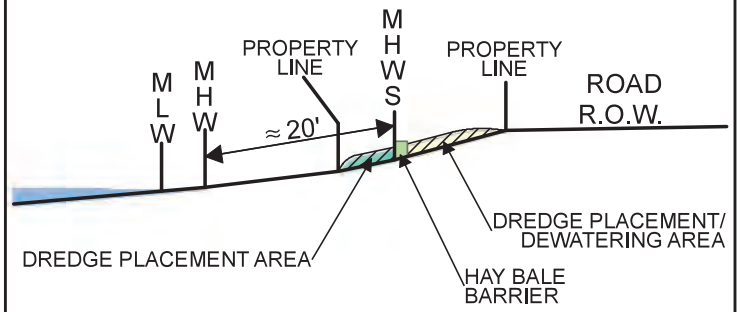
CROSS SECTION A-A'

NOT TO SCALE



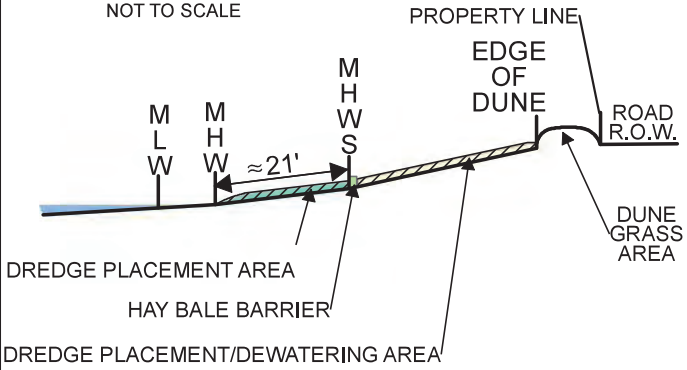
CROSS SECTION B-B'

NOT TO SCALE



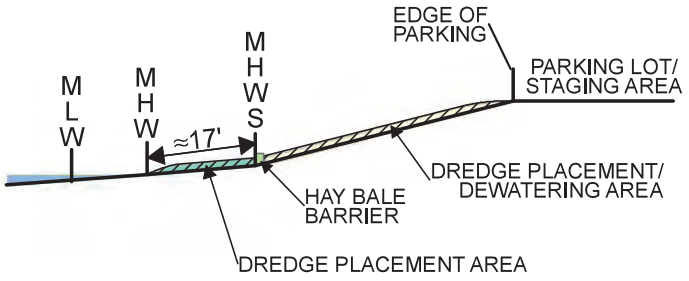
CROSS SECTION C-C'

NOT TO SCALE



CROSS SECTION D-D'

NOT TO SCALE



DREDGE PLACEMENT AREA CROSS SECTION
ORSTED MONTAUK SITE PROPERTY
EAST HAMPTON, NEW YORK