PERMITTING & CONSTRUCTION NOTES

GENERAL NOTES

1. PROPOSED ONSHORE INFRASTRUCTURE FOR ATLANTIC SHORES PROJECT 1 IS BASED ON PLANS: (a) BOND TRENCHLESS 2-23-980T "PROJECT 1 - CARDIFF, LANDFALL PLAN & PROFILE"

2. REFER TO HDD SERIES SHEETS FOR DETAILED PLANS AND PROFILES OF THE ONSHORE CABLE ROUTE.

3. WETLAND IMPACTS DETAILS ARE AVAILABLE IN THE ONSHORE PLAN SET.

4. DRAWINGS SHOW THE APPROXIMATE CABLE ROUTE AND AREA OF PROPOSED IMPACTS; THE FINAL ROUTE WILL BE PROVIDED BY THE CONTRACTOR.

5. CONTRACTOR TO DESIGNATE AN INDIVIDUAL FOR CONSTRUCTION SITE SAFETY PER N.J.A.C. 5:23-2.21 (E) AND CFR 1926.32 (F) (OSHA COMPETENT PERSON).

6. DEVIATIONS FROM PLANS NEED AUTHORIZATION FROM ATLANTIC SHORES, THE ENGINEER, AND APPROVAL FROM AUTHORITIES HAVING JURISDICTION (AHJ).

7. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL EACH PLAN HAS BEEN REVISED TO INDICATE “ISSUED FOR CONSTRUCTION”.

8. CONSTRUCTION DETAILS/SHOP DRAWINGS UTILIZED BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY ATLANTIC SHORES AND THE DESIGN ENGINEER.

9. THIS SET OF DRAWINGS AND ALL INFORMATION CONTAINED HEREIN IS AUTHORIZED FOR THE USE ONLY BY THE PARTY FOR WHOM THE WORK IS CONTRACTED OR TO WHOM IT IS CERTIFIED. THIS SET OF DRAWINGS MAY NOT BE COPIED, REUSED, DISCLOSED, DISTRIBUTED, OR RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF BURNS & MCDONNELL AND ATLANTIC SHORES.

10. APPLICANT TO NOTIFY AHJ PRIOR TO CONSTRUCTION IN ACCORDANCE WITH AHJ REQUIREMENTS.

11. REPORTABLE SPILLS DURING CABLE INSTALLATION REQUIRE WORK STOPPAGE; ON-SITE ENVIRONMENTAL HEALTH AND SAFETY MANAGER SHALL NOTIFY AUTHORITIES.

CONTRACTOR & OWNER RESPONSIBILITIES

1. CONTRACTOR(S) AND OWNER (ATLANTIC SHORES) DESIGNATE A QUALIFIED PERSON FOR CONSTRUCTION SITE SAFETY.

2. CONTRACTOR TO FOLLOW CURRENT O.S.H.A. STANDARDS FOR ALL CONSTRUCTION.

3. SITE CONTRACTOR VERIFIES APPROVED PERMITS WITH THE OWNER BEFORE CONSTRUCTION.

4. SITE CONTRACTOR WILL VERIFY THE HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS WITH ATLANTIC SHORES.

5. SITE CONTRACTOR PERFORMS WORK ACCORDING TO ALL APPLICABLE REQUIRED CODES, ORDINANCES, AND MANUFACTURERS' STANDARDS.

6. CONTRACTOR VERIFIES DIMENSIONS; DISCREPANCIES REPORTED TO OWNER BEFORE WORK PROCEEDS.

7. UNDERGROUND UTILITY LOCATIONS VERIFIED IN THE FIELD BY THE CONTRACTOR DURING CONSTRUCTION.

8. CONTRACTOR VERIFIES FIELD CONDITIONS AND MEASURES FOR ALL NEW CONSTRUCTION.

9. CONTRACTOR RESPONSIBLE FOR SHORING, UNDERPINNING, AND STRUCTURAL STABILITY DURING CONSTRUCTION.

10. CONTRACTOR CALLS NEW JERSEY ONE CALL [811 OR 1-800-272-1000] FOR FIELD MARKOUT/LOCATIONS OF UNDERGROUND UTILITIES BEFORE CONSTRUCTION AND DOES NOT COMMENCE CONSTRUCTION UNTIL MARK OUT COMPLETED.

11. CONTRACTOR TO NOTIFY DESIGN ENGINEER IF SITE CONDITIONS DIFFER FROM DOCUMENTS DURING CONSTRUCTION.

12. CONTRACTOR COMPLIES WITH CONDITIONS OF APPROVAL IMPOSED BY REGULATORY AGENCIES.

13. CONTRACTOR RESTORES ANY EXISTING FEATURES DAMAGED BACK TO ORIGINAL CONDITION IF NOT SCHEDULED FOR REMOVAL.

STAGING & CONSTRUCTION NOTES

1. CONSTRUCTION ACTIVITIES, INCLUDING EQUIPMENT ACCESS, STAGING, AND SOIL DISTURBANCES, MAY OCCUR WITHIN THE TEMPORARY WORKSPACE EASEMENT AREA AND PERMANENT EASEMENT AREA DEPICTED ON THIS PLAN.

COASTAL ZONE MANAGEMENT NOTES

1. THE PURPOSE OF THESE ISSUED FOR PERMIT PLANS IS TO SECURE STATE AND FEDERAL PERMITS FOR THE PROPOSED CONSTRUCTION OF THE ATLANTIC SHORES OFFSHORE WIND FARM PROJECT 1.

2. THE APPLICANT/OWNER MUST SECURE ALL PROPOSED PERMANENT AND TEMPORARY EASEMENTS AND RIGHTS OF ACCESS SHOWN ON THE PLAN BEFORE CONSTRUCTION.

3. THE CONSTRUCTION METHODS DESCRIBED AIM TO LIMIT IMPACTS AND REPRESENT THE WORST REASONABLE CASE FOR EACH REGULATED RESOURCETHAT MAY BE AFFECTED. SHOULD SITE CONDITIONS PREVENT THE USE OF ANY OF THE CONSTRUCTION METHODS DESCRIBED, AN EQUIVALENT TECHNIQUE WILL BE SUBSTITUTED HAVING THE SAME OR LOWER IMPACT TO REGULATED RESOURCES. PERMIT MODIFICATIONS WILL BE OBTAINED IF/ AS NEEDED.

4. IN PLACE OF POTENTIALLY GREATER IMPACT METHODS CONTROLLED FLOW EXCAVATION (CFE) MAY BE USED AT THE HDD ENTRY IN ORDER TO CLEAR THE SEDIMENT TO EXPOSE THE BURIED HDD EXIT POINT AT THE TARGET BURIAL DEPTH.

5. CABLE INSTALLATION WILL BE TO CABLE BURIAL DEPTHS PER PERMIT PLANS ADVISED BY OWNER/CONTRACTOR CABLE BURIAL RISK ASSESSMENT (CBRA).

6. MOORING AND STAGING ASSOCIATED WITH CABLE INSTALLATION HAS BEEN SITED TO AVOID IMPACTS TO SUBMERGED AQUATIC VEGETATION, SHELLFISH HABITAT, AND INTERTIDAL AND SUBTIDAL SHALLOW AREAS.

7. EXPORT CABLES WILL BE INSTALLED VIA SEVERAL TECHNIQUES (SEE WATERFRONT DEVELOPMENT (IN-WATER) INDIVIDUAL PERMIT, COASTAL AREA FACILITY REVIEW ACT INDIVIDUAL PERMIT, AND SECTION 401 WATER QUALITY CERTIFICATION REQUEST ATLANTIC SHORES SOUTH OFFSHORE WIND PROJECT 1 SECTION 2.1.1.2).

8. HORIZONTAL DIRECTIONAL DRILL TIE-IN WILL BE CONDUCTED VIA METHOD(S) DESCRIBED IN THE NARRATIVE (SEE WATERFRONT DEVELOPMENT (IN-WATER) INDIVIDUAL PERMIT, COASTAL AREA FACILITY REVIEW ACT INDIVIDUAL PERMIT, AND SECTION 401 WATER QUALITY CERTIFICATION REQUEST ATLANTIC SHORES SOUTH OFFSHORE WIND PROJECT 1, LLC SECTION 2.1.1.2).

9. CABLES WILL BE PROTECTED USING CONCRETE MATTRESS (SEE WATERFRONT DEVELOPMENT (IN-WATER) INDIVIDUAL PERMIT, COASTAL AREA FACILITY REVIEW ACT INDIVIDUAL PERMIT, AND SECTION 401 WATER QUALITY CERTIFICATION REQUEST ATLANTIC SHORES SOUTH OFFSHORE WIND PROJECT 1, LLC SECTION 2.1.1.3).

10. ATLANTIC SHORES CABLE CROSSINGS OF OTHER ACTIVE CABLES/PIPELINES WILL BE CAREFULLY SURVEYED AND WILL BE CROSSED IN ACCORDANCE WITH APPROPRIATE INDUSTRY STANDARDS AND/OR OWNER REQUIREMENTS (SEE WATERFRONT DEVELOPMENT (IN-WATER) INDIVIDUAL PERMIT, COASTAL AREA FACILITY REVIEW ACT INDIVIDUAL PERMIT, AND SECTION 401 WATER QUALITY CERTIFICATION REQUEST ATLANTIC SHORES SOUTH OFFSHORE WIND PROJECT 1, LLC SECTION 2.1.1.4).

11. PRIME FISHING AREA CROSSINGS WILL INVOLVE THE SAME SEABED PREPARATION FOR EXPORT CABLE INSTALLATION WHICH COULD INVOLVE SEABED LEVELING OR GRADING, SAND BEDFORM REMOVAL AND/OR BOULDER RELOCATION, AS REQUIRED FOR CONSTRUCTION. IN THESE AREAS THE EXPORT CABLE WILL BE INSTALLED BELOW THE SEDIMENT SURFACE TO THE TARGET DEPTHS SHOWN IN THIS PLAN SET TO AVOID PERMANENT IMPACTS IN THESE DESIGNATED AREAS (SEE WATERFRONT DEVELOPMENT (IN-WATER) INDIVIDUAL PERMIT, COASTAL AREA FACILITY REVIEW ACT INDIVIDUAL PERMIT, AND SECTION 401 WATER QUALITY CERTIFICATION REQUEST ATLANTIC SHORES SOUTH OFFSHORE WIND PROJECT 1, LLC SECTION 4.1.1).

12. ROUTING OF THE EXPORT CABLE CORRIDOR THROUGH DESIGNATED SAND RESOURCE AREAS HAS BEEN MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.

WATER QUALITY/BEST MANAGEMENT PRACTICES NOTES

1. TIMING RESTRICTIONS FOR IN-WATER WORK WILL BE IMPLEMENTED AS SPECIFIED BY PERMIT CONDITIONS AND/OR IN COORDINATION WITH STATE AND FEDERAL AGENCIES.

2. CONTROLLED FLOW EXCAVATION (CFE) SHALL BE LIMITED TO AUTHORIZED PROJECT DEPTH(S) AND VOLUME PER PERMIT PLANS.

3. FOR CFE ACTIVITY:

A. BACKGROUND/BASELINE SUSPENDED SEDIMENT/WATER QUALITY VALUES SHALL BE ESTABLISHED IMMEDIATELY PRIOR TO OPERATIONS COMMENCING.
B. THE CONTRACTOR SHALL USE THE MINIMUM POWER AND ANGLE THE JETS TO DISPLACE THE SPOIL THE MINIMUM DISTANCE FROM THE TRENCH TO FORM A BERM IMMEDIATELY ADJACENT TO THE TRENCH FROM WHICH IT IS EXPECTED THAT NATURAL PROCESSES WILL RETURN THE MATERIAL TO THE TRENCH IN TIME.
C. THE CONTRACTOR MAY MAKE ADDITIONAL PASSES TO DISPLACE ANY BERMS SO FORMED BACK INTO THE TRENCH ONCE CABLE HAS BEEN INSTALLED.

NAVIGATION AND VESSEL TRAFFIC NOTES

1. ATLANTIC SHORES SHALL POST APPROPRIATE WARNING SIGNS DURING CONSTRUCTION AS REQUIRED BY THE US COAST GUARD (USCG). ATLANTIC SHORES SHALL NOTIFY THE USCG 30 DAYS PRIOR TO THE START OF IN-WATER STAGING OR CONSTRUCTION.

2. AT LEAST 24 HOURS PRIOR TO THE COMMENCEMENT OF IN-WATER WORK, ATLANTIC SHORES WILL NOTIFY THE USCG OF THE START OF WORK, THE EXPECTED COMPLETION DATE, THE HOURS OF THE DAY THE WORK WILL BE PERFORMED, THE NAMES OF THE VESSELS ON SCENE, THE VHF RADIO CHANNELS THE VESSELS WILL MONITOR AND THE PROJECT'S 24/7 POINT OF CONTACT.

3. NO LESS THAN 24 HOURS PRIOR TO COMMENCEMENT OF IN-WATER WORK ATLANTIC SHORES WILL INFORM THE LOCAL SEA USERS/REGULAR RUNNERS OF THE START OF THE WORK USING THE “LOCAL NOTICE TO MARINERS”.

4. THIS WORK WILL BE CONDUCTED IN A MANNER THAT FREE NAVIGATION IS NOT UNREASONABLY INTERFERED WITH AND THE PRESENT NAVIGATIONAL DEPTHS ARE NOT IMPAIRED. TIMELY NOTICE OF ANY AND ALL EVENTS THAT MAY AFFECT NAVIGATION SHALL BE GIVEN TO THE DISTRICT COMMANDER DURING THE PERFORMANCE OF THE WORK.

5. WITHIN 30 DAYS AFTER THE COMPLETION OF CONSTRUCTION, ATLANTIC SHORES SHALL POST WARNING SIGNS AT LANDFALLS AS IDENTIFIED IN PERMIT PLANS AND SHALL NOTIFY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AS TO THE CABLE(S) LOCATION(S) FOR PROPER NOAA CHART IDENTIFICATION.

REFERENCE NOTES:

1. NJDEP SPECIAL AREAS DEPICTED HEREIN INCLUDE PRIME FISHING GROUNDS, ARTIFICIAL REEFS, BEACHES AND DUNES, AND TIDELANDS CLAIM AREAS. REFERENCE CITATIONS ARE PROVIDED BELOW.

2. PRIME FISHING GROUNDS DEPICTED ON THESE PLANS WERE MAPPED BY THE NJDEP FOR THE ATLANTIC OCEAN FOR PURPOSES OF ENVIRONMENTAL REVIEWS AS WELL AS COMMERCIAL AND RECREATIONAL FISHING GROUNDS IDENTIFICATION. SOURCE OBTAINED BY ATLANTIC SHORES DECEMBER 2023 FROM NJDEP BUREAU OF GIS.

3. ARTIFICIAL REEFS DEPICTED ON THESE PLANS WERE MAPPED BY THE NJDEP FOR THE ATLANTIC OCEAN. SOURCE OBTAINED BY ATLANTIC SHORES IN DECEMBER 2023 FROM NJDEP BUREAU OF GIS.

4. BEACHES AND DUNES DEPICTED HEREIN ARE SOURCED FROM THE NJDEP LAND USE/LAND COVER 2015 DATASET PUBLISHED IN 2019 AND DOWNLOADED BY ATLANTIC SHORES IN DECEMBER 2023 FROM THE NJDEP BUREAU OF GIS.

5. WATERWAYS AND MAINTAINED CHANNELS VERIFIED VIA NOAA NAVIGATION CHARTS.

6. TIDAL DATUMS HEREIN ARE BASED ON NOAA TIDAL VDATUM MODEL AND CONFIRMED BY HEIGHT DIFFERENCE METHOD DOCUMENTED IN NJDOT MEAN HIGH WATER MANUAL PREPARED BY TECHNICAL SURVEY UNIT (2008).

7. BATHYMETRIC DATA PROVIDED BY ATLANTIC SHORES BY SURVEYS CONDUCTED FROM 2020 THROUGH 2022.

ABBREVIATIONS:

AHJ	AUTHORITIES HAVING JURISDICTION
ASOW	ATLANTIC SHORES OFFSHORE WIND
CFE	CONTROLLED FLOW EXCAVATOR
CLV	CABLE LAYING VESSEL
DP	DYNAMIC POSITIONING
HDD	HORIZONTAL DIRECTIONAL DRILL
SAV	SUBMERGED AQUATIC VEGETATION
TJB	TRANSITION JOINT BAY
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

ATLANTIC SHORES offshore wind
ATLANTIC CITY, NJ

STATE OF NEW JERSEY TYLER MCARTHUR No. GE52385 LICENSED PROFESSIONAL ENGINEER

Digitally signed by Tyler McArthur
Date: 2024.01.23 14:38:07-06'00'

TYLER R. MCARTHUR
N.J. PROFESSIONAL ENGINEER
LIC. NO. 24GE05238500
C.O.A. NO. 24GA28066400

BURNS McDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400
Burns & McDonnell Engineering Co, Inc.

project	contract
ASOW PROJECT 1	164550

ISSUED FOR PERMITTING NOT FOR CONSTRUCTION

THESE DRAWINGS ARE FOR DESIGN AND PERMITTING PURPOSES ONLY AND NOT FOR CONSTRUCTION. FINAL LOCATION AND METHODS WILL FOLLOW FURTHER ENGINEERING ANALYSIS AND BE COORDINATED WITH THE CONSTRUCTION CONTRACTOR.

THESE DRAWINGS SHOW THE APPROXIMATE LOCATION AND DEPTH OF CABLE ROUTE(S). FINAL CABLE ROUTE(S) TO BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH CABLE BURIAL RISK ASSESSMENT (CBRA).

designed	detailed
D. SLEE	O. GREEN
date	checked
22 JAN 2024	T. MCARTHUR

ATLANTIC SHORES OFFSHORE WIND
PROJECT 1 - NJ STATE WATERS
P1 PLAN & NOTES
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