

no.	date	by	ckd	description
0	07/20/2022	AG	JS/KLH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JS/KLH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
2	1/05/2023	AG	JS/KLH	UPDATED ROUTE AND STATION AND RE-ISSUED FOR PERMIT REVIEW AND APPROVALS

- NOTES:
- MAPPING IS BASED ON THE NJ STATE PLANE COORDINATE SYSTEM. HORIZONTAL DATUM = NAD-83 (2011) VERTICAL DATUM = NAVD-88 UNITS = U.S. FOOT PROJECT COMBINED GRID SCALE FACTOR = 0.999897978 VERTICAL DATUM CONVERSION: NGVD88 = NAVD29 - 1.25 FT
  - PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH NEW JERSEY COASTAL ZONE MANAGEMENT RULES AT N.J.A.C. 7:7-1.1 AND NEW JERSEY FRESHWATER WETLANDS PROTECTION ACT RULES AT N.J.A.C. 7:7A-1.1 ET. SEQ. AND NEW JERSEY FLOOD HAZARD AREA CONTROL ACT RULES AT N.J.A.C. 7:13-1.1 ET. SEQ.
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  - WETLANDS SHOWN HEREON WERE DELINEATED BY HDR, JUNE 2019, MAY 2020 AND LOCATED BY NJ LICENSED LAND SURVEYOR GEOD CORPORATION, WETLAND AND WATERCOURSE EXTENTS CONFIRMED BY NJDEP WITH SITE VERIFICATION NOVEMBER 2021. ADDITIONAL WETLANDS WITHIN PROPOSED ONSHORE CONSTRUCTION AREA CONFIRMED IN VALID NJDEP LETTER ON INTERPRETATION ISSUED AUGUST 15, 2015 (FILE NO. 1612-17-0013-1). SHAPEFILES PROVIDED BY HDR JANUARY 10, 2022 & APRIL 11, 2022.

- REFERENCES:
- IMAGERY PROVIDED BY NEARMAP DATED OCTOBER 2021

**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
FAX: (973) 299-5059  
www.E2PM.com

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**KEY MAP**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project	P-21-03-26
drawing	<b>OL-OC001</b> - rev. <b>2</b>
sheet	1 of 22 sheets

DERECO # 07748229

**LEGEND**

	SHEET VIEW LOCATION
	PROPOSED EXPORT CABLE
	PROPOSED EXPORT CABLE (HDD)

**NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE**

	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>COASTAL WETLANDS (1970 ACT)</b>						
PERMANENT				104 SQ. FT. 0.002 ACRES		104 SQ. FT. 0.002 ACRES
TEMPORARY				245,146 SQ. FT. 5.628 ACRES		245,146 SQ. FT. 5.628 ACRES
<b>FRESHWATER WETLANDS</b>						
PERMANENT	2573 SQ. FT. 0.059 ACRES		53,164 SQ. FT. 1.220 ACRES			55,737 SQ. FT. 1.279 ACRES
TEMPORARY			376 SQ. FT. 0.008 ACRES			376 SQ. FT. 0.008 ACRES
<b>COASTAL WETLANDS TRANSITION AREA</b>						
PERMANENT	563 SQ. FT. 0.013 ACRES			104 SQ. FT. 0.002 ACRES		667 SQ. FT. 0.015 ACRES
TEMPORARY				2,7937 SQ. FT. 0.389 ACRES		4,4873 SQ. FT. 1.030 ACRES
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT	55,369 SQ. FT. 1.272 ACRES			28 SQ. FT. 0.0006 ACRES		55,397 SQ. FT. 1.272 ACRES
TEMPORARY		23525 SQ. FT. 0.540 ACRES	5226 SQ. FT. 0.120 ACRES	86516 SQ. FT. 1.987 ACRES		115267 SQ. FT. 2.647 ACRES
<b>STATE OPEN WATERS</b>						
PERMANENT						
TEMPORARY	3063 SQ. FT. 0.007 ACRES					3063 SQ. FT. 0.007 ACRES
<b>RIPARIAN ZONE</b>						
PERMANENT					28 SQ. FT. 0.0006 ACRES	28 SQ. FT. 0.0006 ACRES
TEMPORARY					71218 SQ. FT. 1.635 ACRES	71218 SQ. FT. 1.635 ACRES

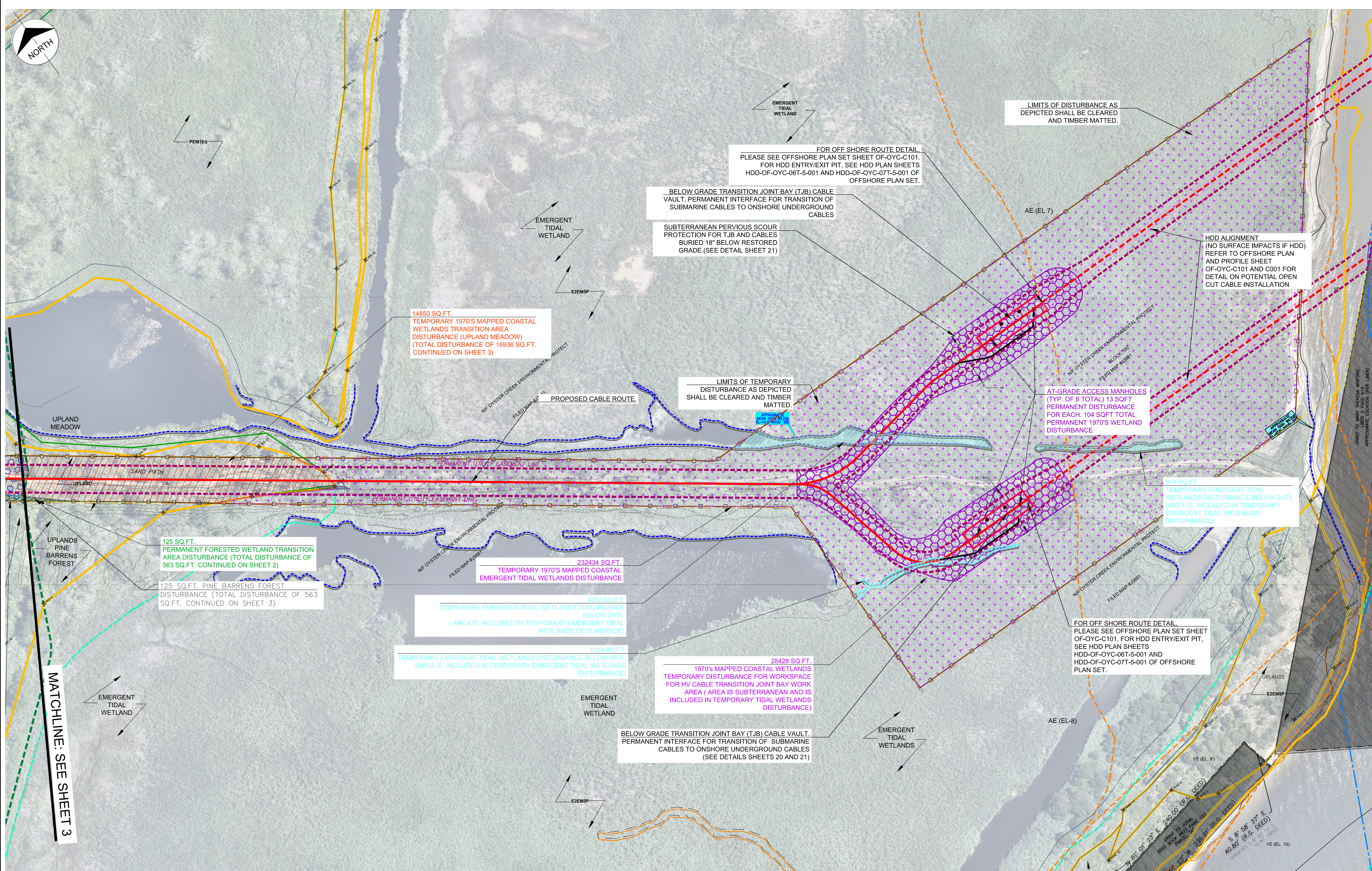
**TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE**

	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING	TOTAL
	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING	WOODY VEGETATION CLEARING
GROSS AREAS	13,860 SQ. FT. 2.717 ACRES	1,047 SQ. FT. 0.034 ACRES	4,006 SQ. FT. 0.921 ACRES	537,219 SQ. FT. 12.333 ACRES	707,714 SQ. FT. 16.805 ACRES



I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER



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 An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

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designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
 LACEY TWP, NJ 0875

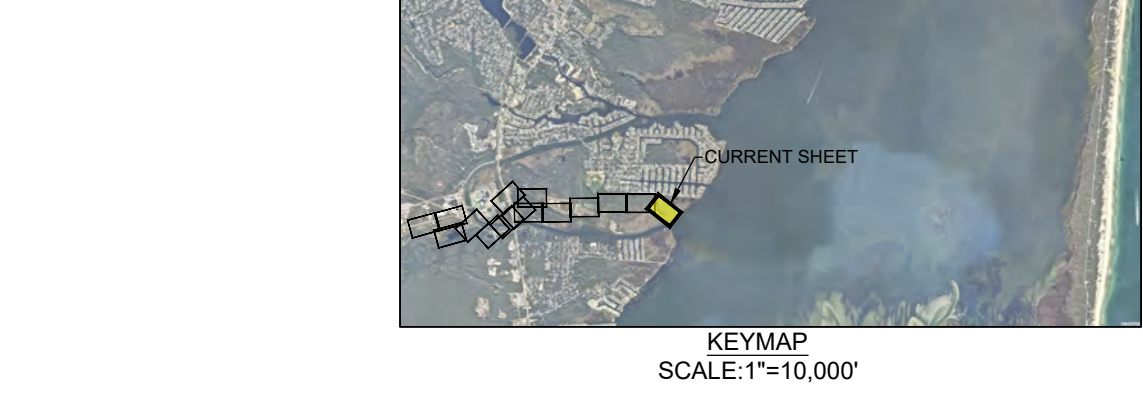
project  
 P-21-03-26

drawing  
**OL-OC002** - rev. **2**

sheet 2 of 22 sheets  
 DERECO # 07748229

LEGEND			
—	PROPOSED EXPORT CABLE	—	WETLAND TRANSITION AREA
- - -	PROPOSED EXPORT CABLE (HDD)	- - -	TIDELANDS CLAIM LINE
---	TEMPORARY CONSTRUCTION EASEMENT LINE	---	LIMIT OF DISTURBANCE
---	PERMANENT UTILITY EASEMENT LINE	---	SILT FENCE/SILT SOCK
- - -	FEMA LINE AND DESIGNATION	- - -	DELINEATED WETLAND
---	LIMIT OF 1970 COASTAL WETLAND LINE	---	TEMPORARY 1970'S MAPPED COASTAL WETLANDS DISTURBANCE FOR HDD WORKSPACE ACCESS AND LAYDOWN AREA
- - -	LIMIT OF DELINEATED WETLAND	---	TEMPORARY 1970'S MAPPED COASTAL WETLANDS TRANSITION AREA DISTURBANCE
---	RIPIARIAN ZONE	---	PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE
- - -	MEAN HIGH WATER LINE	---	TEMPORARY TIDAL WETLANDS DISTURBANCE BELOW SPRING HIGH TIDE LINE SHTL
---	NJDEP MAPPED SHELLFISH LAYER	---	PINE BARRENS FOREST
---	1970'S MAPPED COASTAL WETLANDS TRANSITION AREA DISTURBANCE FOR WORKSPACE	---	TEMPORARY RIPARIAN AREA DISTURBANCE
---	1970'S MAPPED COASTAL WETLANDS TRANSITION AREA DISTURBANCE (UPLAND MEADOW)	---	PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE

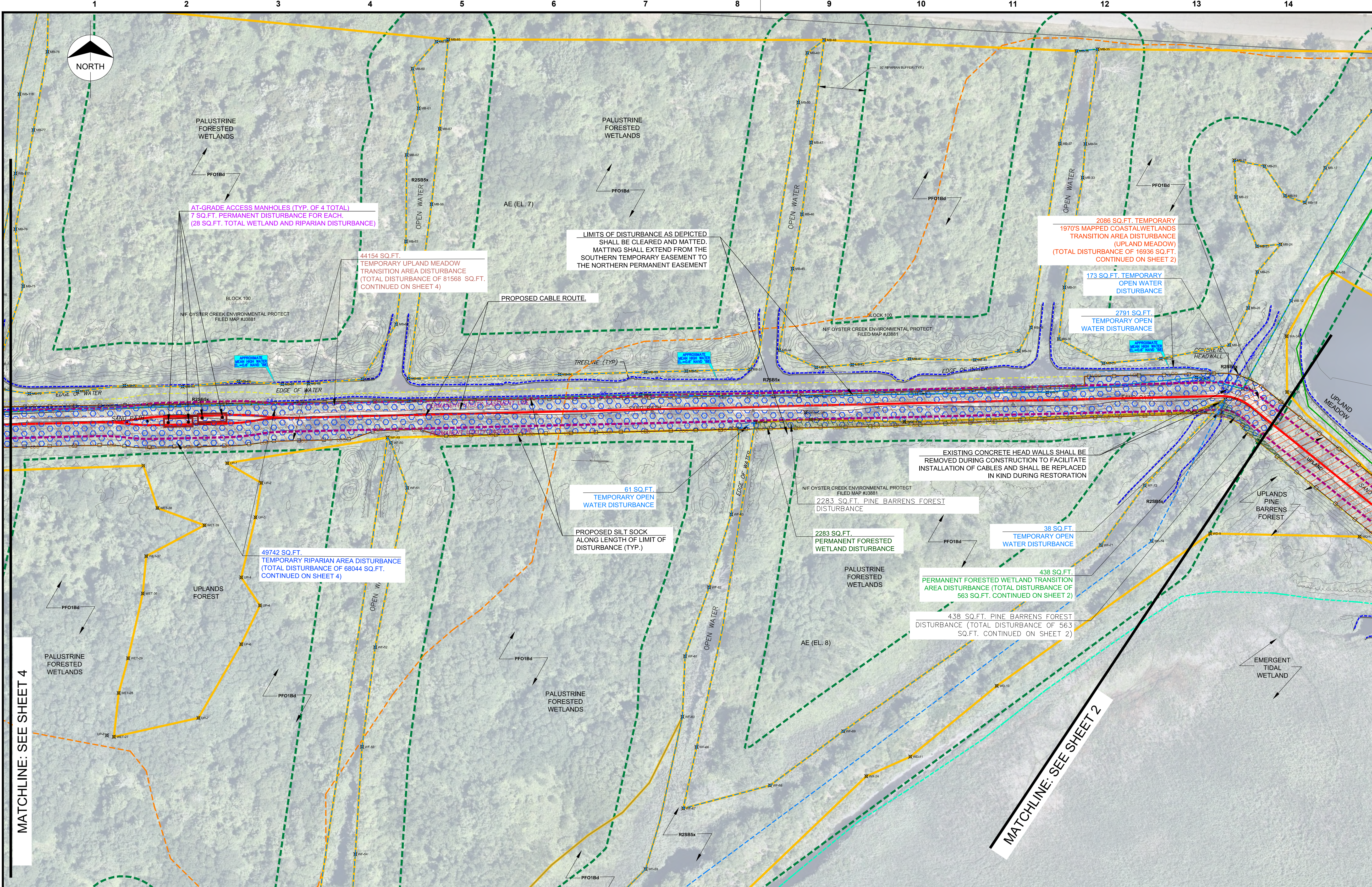
	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>COASTAL WETLANDS (1970 ACT)</b>						
PERMANENT				104 SQ.FT. 0.002 ACRES	104 SQ.FT. 0.002 ACRES	208 SQ.FT. 0.004 ACRES
TEMPORARY				232434 SQ.FT. 5.336 ACRES	232434 SQ.FT. 5.336 ACRES	464868 SQ.FT. 10.672 ACRES
<b>COASTAL WETLANDS TRANSITION AREA</b>						
PERMANENT	125 SQ.FT. 0.003 ACRES			125 SQ.FT. 0.003 ACRES		250 SQ.FT. 0.006 ACRES
TEMPORARY			14850 SQ.FT. 0.341 ACRES	14850 SQ.FT. 0.341 ACRES		29700 SQ.FT. 0.682 ACRES
<b>STATE OPEN WATERS</b>						
PERMANENT						
TEMPORARY						
<b>RIPIARIAN ZONE</b>						
PERMANENT						
TEMPORARY						



	PINE BARRENS	SCRUB SHRUB	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
PERMANENT	125 SQ.FT. 0.003 ACRES		125 SQ.FT. 0.003 ACRES
TEMPORARY	14850 SQ.FT. 0.341 ACRES		14850 SQ.FT. 0.341 ACRES

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

KATHERINE L. HERING, P.E., N.J. NO. 24GE04226900  
 LICENSED PROFESSIONAL ENGINEER



MATCHLINE: SEE SHEET 4

MATCHLINE: SEE SHEET 2

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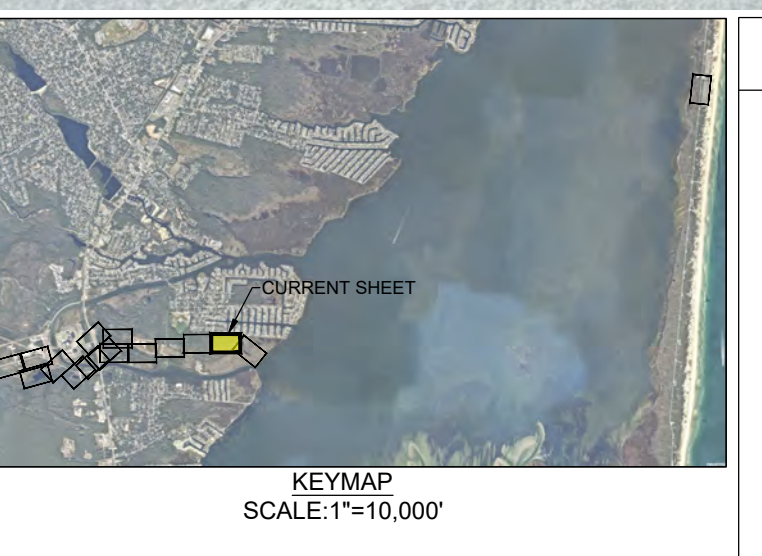
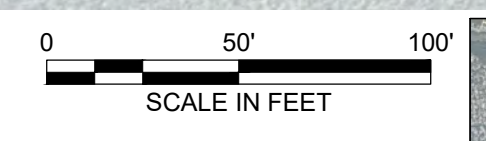
**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26  
drawing **OL-OC003** - rev. **2**  
sheet 3 of 22 sheets  
DERECO # 07748229

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	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>						
PERMANENT	2283 SQ.FT. 0.052 ACRES					2283 SQ.FT. 0.052 ACRES
TEMPORARY						
<b>COASTAL WETLANDS TRANSITION AREA</b>						
PERMANENT	438 SQ.FT. 0.010 ACRES					438 SQ.FT. 0.010 ACRES
TEMPORARY						
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT	28 SQ.FT. 0.0006 ACRES					28 SQ.FT. 0.0006 ACRES
TEMPORARY	44154 SQ.FT. 1.014 ACRES					44154 SQ.FT. 1.014 ACRES
<b>STATE OPEN WATERS</b>						
PERMANENT	3063 SQ.FT. 0.070 ACRES					3063 SQ.FT. 0.070 ACRES
TEMPORARY						
<b>RIPIARIAN ZONE</b>						
PERMANENT	28 SQ.FT. 0.0006 ACRES					28 SQ.FT. 0.0006 ACRES
TEMPORARY	49742 SQ.FT. 1.142 ACRES					49742 SQ.FT. 1.142 ACRES



**TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE**

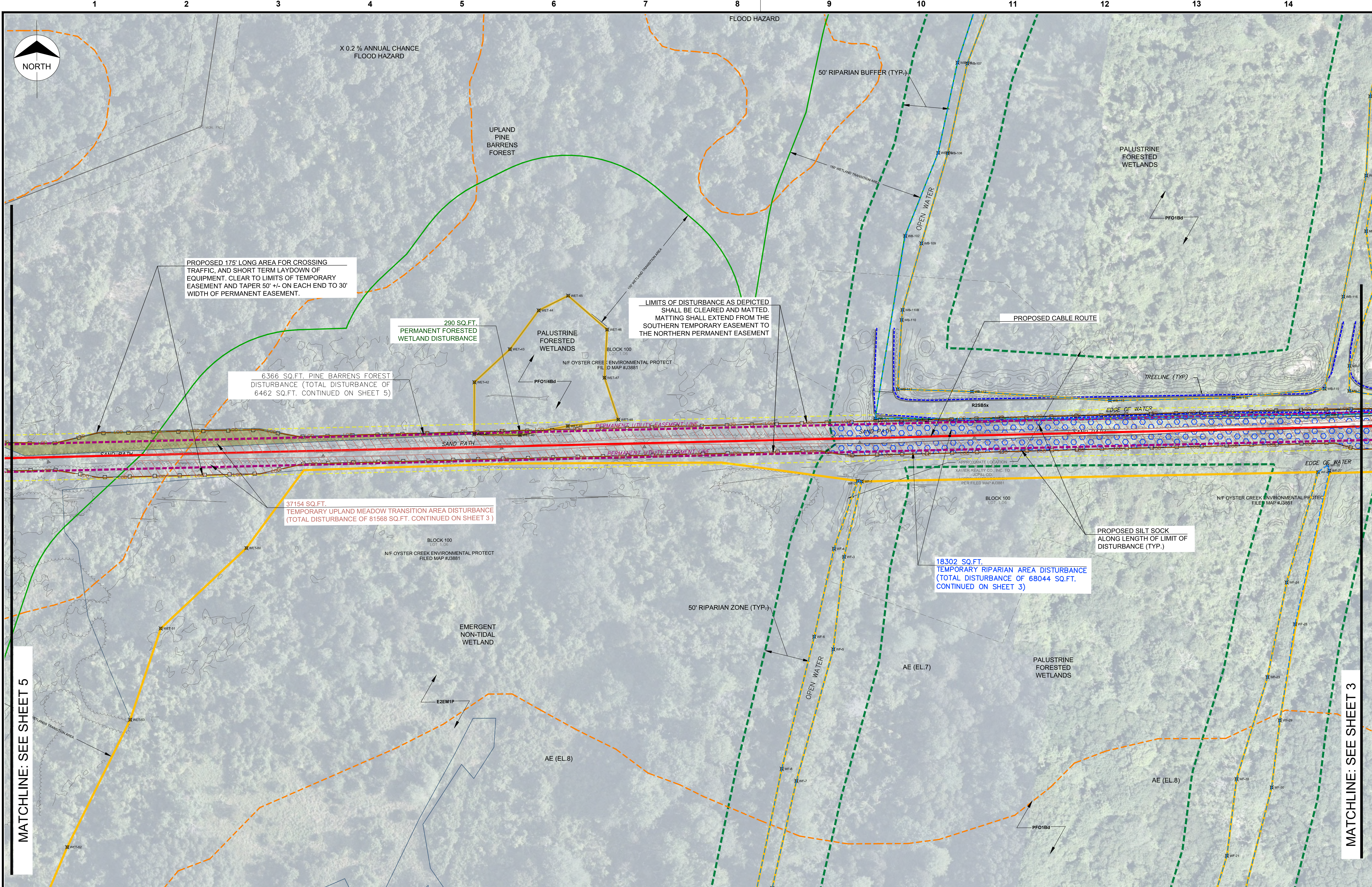
	PINE BARRENS FOREST	SCRUB SHRUB	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
GROSS AREAS	2723 SQ.FT. 0.062 ACRES		2723 SQ.FT. 0.062 ACRES

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KATHERINE L. HERING, P.E., N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER

**LEGEND**

PROPOSED EXPORT CABLE	LIMIT OF DELINEATED WETLAND/ OPEN WATER	TEMPORARY 1970'S MAPPED COASTAL WETLANDS DISTURBANCE
TEMPORARY CONSTRUCTION EASEMENT LINE	LIMIT OF DISTURBANCE	TEMPORARY RIPARIAN AREA DISTURBANCE
PERMANENT UTILITY EASEMENT LINE	SILT FENCE/SILT SOCK	TEMPORARY 1970'S MAPPED COASTAL WETLANDS FRESHWATER AREA DISTURBANCE
FEMA LINE AND DESIGNATION	DELINEATED WETLAND	PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE
LIMIT OF 1970 COASTAL WETLAND LINE	TEMPORARY FORESTED WETLAND DISTURBANCE	PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE
LIMIT OF DELINEATED WETLAND	TEMPORARY UPLAND MEADOW TRANSITION AREA DISTURBANCE	PINE BARRENS FOREST
WETLAND TRANSITION AREA	TEMPORARY OPEN WATER DISTURBANCE	TJ/B/MANHOLE
RIPIARIAN ZONE		
MEAN HIGH WATER LINE		
OPEN WATER		



MATCHLINE: SEE SHEET 5

MATCHLINE: SEE SHEET 3

no.	date	by	ckd	description
0	07/20/2022	AG	JS/KLH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JS/KLH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
2	1/05/2023	AG	JS/KLH	UPDATED ROUTE AND STATION AND RE-ISSUED FOR PERMIT REVIEW AND APPROVALS

- NOTES:**
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- REFERENCES:**
- IMAGERY PROVIDED BY NEARMAP DATED OCTOBER 2021

**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**  
**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
FAX: (973) 299-5059  
www.E2PM.com

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC004** - rev. **2**

sheet 4 of 22 sheets  
DERECO # 07748229

**LEGEND**

PROPOSED EXPORT CABLE	LIMIT OF DELINEATED WETLAND/ OPEN WATER
TEMPORARY CONSTRUCTION EASEMENT LINE	LIMIT OF DISTURBANCE
PERMANENT UTILITY EASEMENT LINE	SILT FENCE/SILT SOCK
FEMA LINE AND DESIGNATION	DELINEATED WETLAND
LIMIT OF 1970 COASTAL WETLAND LINE	TEMPORARY RIPARIAN AREA DISTURBANCE
LIMIT OF DELINEATED WETLAND	TEMPORARY UPLAND MEADOW TRANSITION AREA DISTURBANCE
WETLAND TRANSITION AREA	PERMANENT FORESTED WETLAND DISTURBANCE
RIPARIAN ZONE	
OPEN WATER	

**NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE**

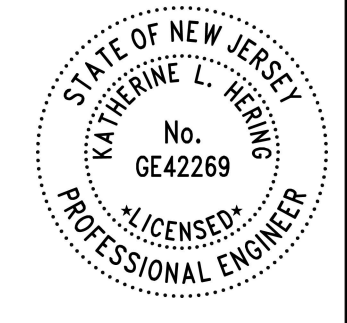
	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>						
PERMANENT	290 SQ.FT. 0.007 ACRES					290 SQ.FT. 0.007 ACRES
TEMPORARY						
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT						
TEMPORARY	37154 SQ.FT. 0.853 ACRES					37154 SQ.FT. 0.853 ACRES
<b>RIPARIAN ZONE</b>						
PERMANENT						
TEMPORARY	18302 SQ.FT. 0.420 ACRES					18302 SQ.FT. 0.420 ACRES

**TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE**

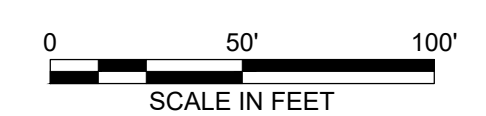
	PINE BARRENS FOREST	SCRUB SHRUB	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
GROSS AREAS	6366 SQ.FT. 0.146 ACRES	6366 SQ.FT. 0.146 ACRES	12732 SQ.FT. 0.292 ACRES

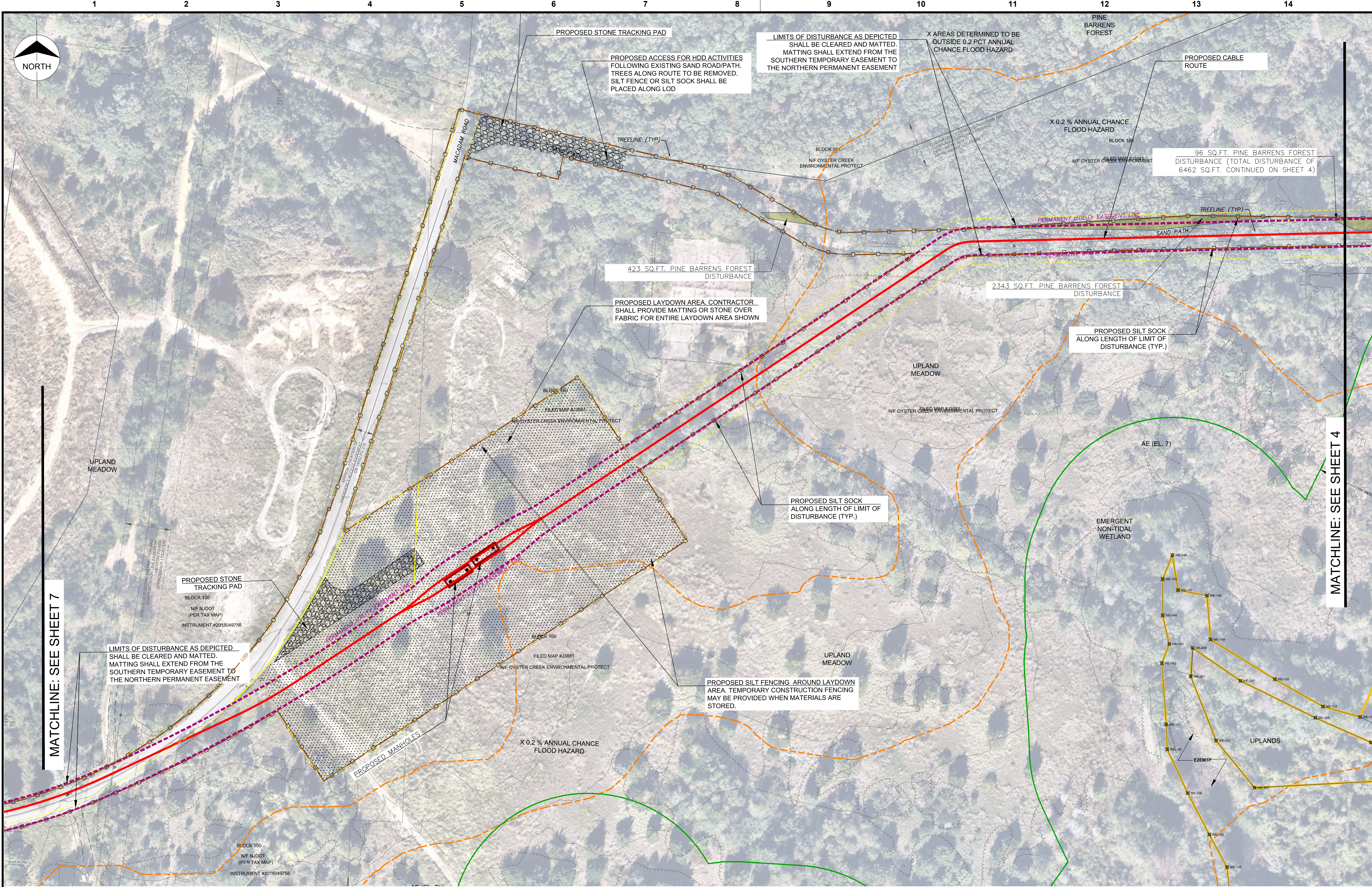


I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION



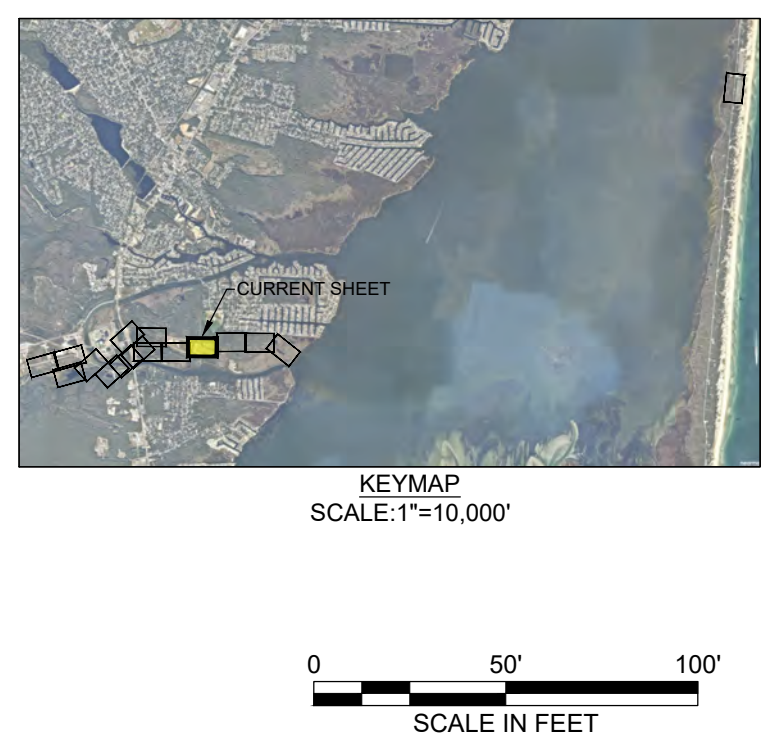
KATHERINE L. HERING, P.E., N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER





LEGEND	
	PROPOSED EXPORT CABLE
	TEMPORARY CONSTRUCTION EASEMENT LINE
	PERMANENT UTILITY EASEMENT LINE
	FEMA LINE AND DESIGNATION
	LIMIT OF 1970 COASTAL WETLAND LINE
	LIMIT OF DELINEATED WETLAND
	WETLAND TRANSITION AREA
	LIMIT OF DISTURBANCE
	DELINEATED WETLAND
	LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)
	PROPOSED STONE TRACKING PAD
	PINE BARRENS FOREST
	TJB/MANHOLE
	SILT FENCE/SILT SOCK

TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE		
WOODY VEGETATION CLEARING	PINE BARRENS FOREST	SCRUB SHRUB
GROSS AREAS	2835 SQ.FT. 0.065 ACRES	2835 SQ.FT. 0.065 ACRES



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KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER

no.	date	by	ckd	description
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**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

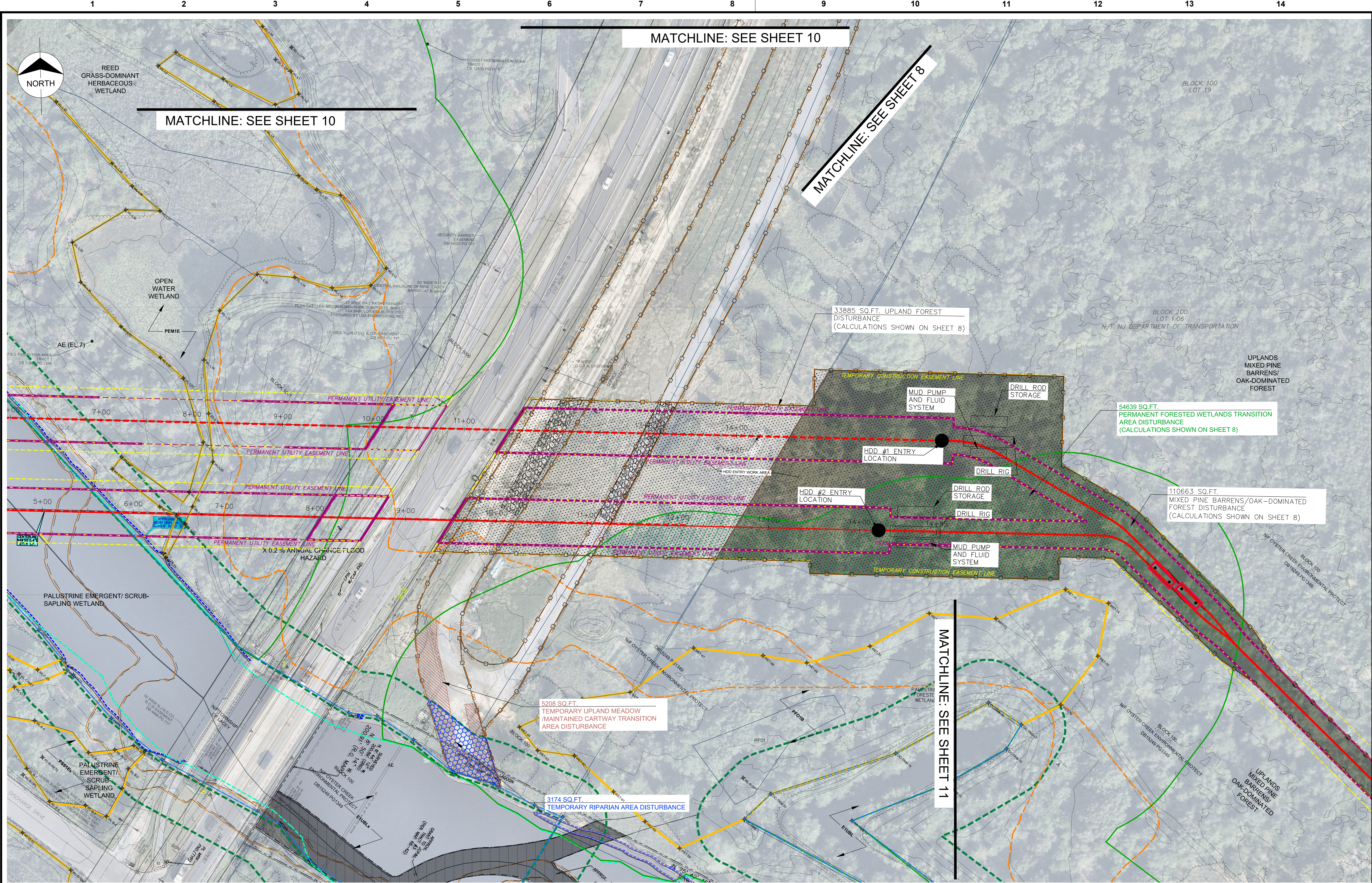
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designed	JMS	checked	KLH/JMS

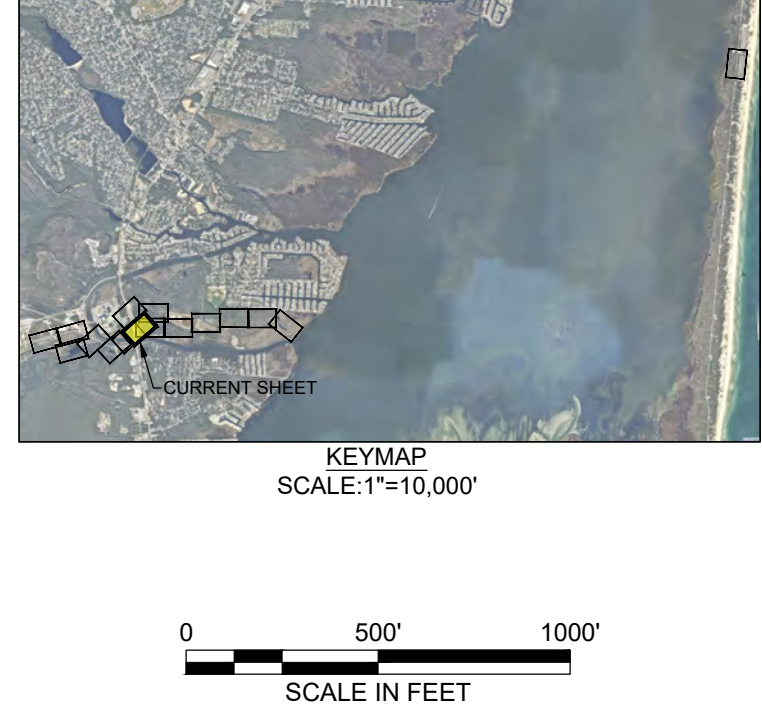
**NJDEP INDIVIDUAL PERMIT PLANS**

<b>OCEAN WIND OFFSHORE WIND PROJECT</b>	
OYSTER CREEK LOCATION LACEY TWP, NJ 0875	
project	P-21-03-26
drawing	<b>OL-OC005</b> - rev. <b>2</b>
sheet	5 of 22 sheets
DERECO # 07748229	



LEGEND			
	PROPOSED EXPORT CABLE		OPEN WATER
	TEMPORARY CONSTRUCTION EASEMENT LINE		LIMIT OF DELINEATED WETLAND/ OPEN WATER
	PERMANENT UTILITY EASEMENT LINE		TIDELANDS CLAIM LINE
	FEMA LINE AND DESIGNATION		LIMIT OF DISTURBANCE
	LIMIT OF 1970 COASTAL WETLAND LINE		SILT FENCE/SILT SOCK
	LIMIT OF DELINEATED WETLAND		DELINEATED WETLAND
	WETLAND TRANSITION AREA		TJBM/HANHOLE
	RIPARIAN ZONE		MEAN HIGH WATER LINE
	PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE		PROPOSED STONE TRACKING PAD
	UPLAND FOREST		LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)
	MIXED PINE BARRENS/OAK-DOMINATED		TEMPORARY UPLAND MEADOW TRANSITION AREA DISTURBANCE
	TEMPORARY UPLAND MEADOW TRANSITION AREA DISTURBANCE		TEMPORARY RIPARIAN AREA DISTURBANCE

NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE				
	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>				
PERMANENT				
TEMPORARY				
<b>COASTAL WETLANDS TRANSITION AREA</b>				
PERMANENT				
TEMPORARY				
<b>FRESHWATER WETLANDS TRANSITION AREA</b>				
PERMANENT				
TEMPORARY		5208 SQ.FT. 0.120 ACRES		5208 SQ.FT. 0.120 ACRES
<b>STATE OPEN WATERS</b>				
PERMANENT				
TEMPORARY				
<b>RIPARIAN ZONE</b>				
PERMANENT				
TEMPORARY		3174 SQ.FT. 0.073 ACRES		3174 SQ.FT. 0.073 ACRES



I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

KATHERINE L. HERING, P.E. N.J. NO. 24GE04226909  
LICENSED PROFESSIONAL ENGINEER

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**FOR PERMITTING APPROVAL**

An Ørsted & PSEG project

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**E 2 PROJECT MANAGEMENT LLC**

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

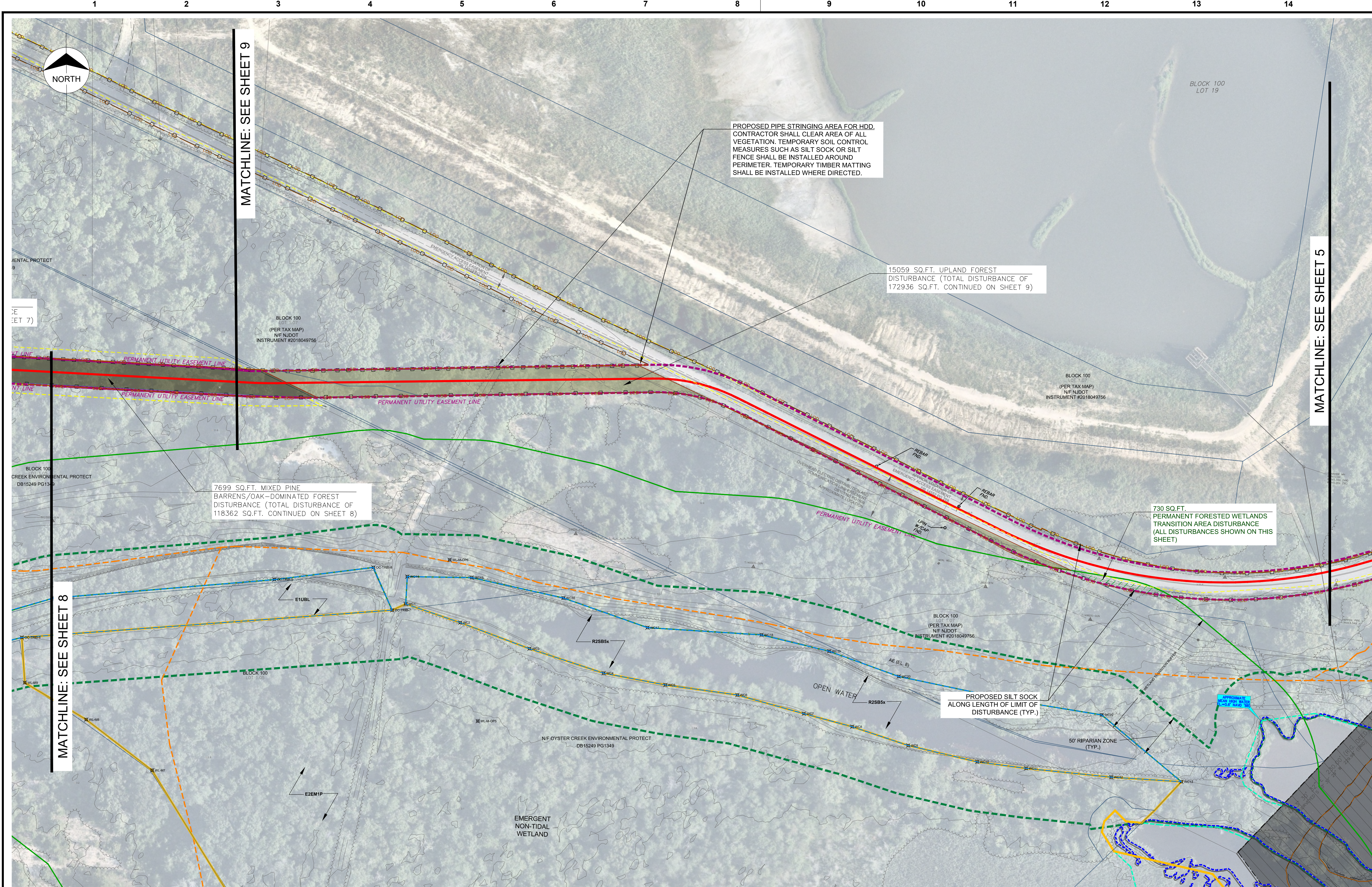
OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC006** - rev. **2**

sheet 6 of 22 sheets

DERECO # 07748229



**LEGEND**

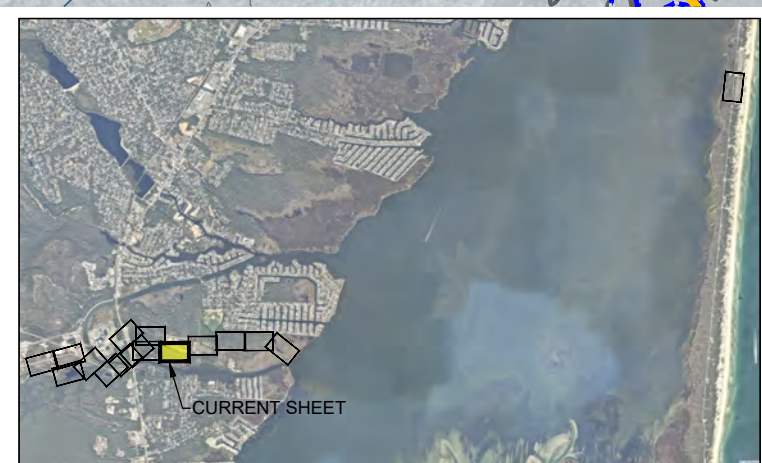
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FEMA LINE AND DESIGNATION	SILT FENCE/SILT SOCK
LIMIT OF 1970 COASTAL WETLAND LINE	DELINEATED WETLAND
LIMIT OF DELINEATED WETLAND	PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE
WETLAND TRANSITION AREA	UPLAND FOREST
RIPIARIAN ZONE	MIXED PINE BARRENS/OAK-DOMINATED
MEAN HIGH WATER LINE	
OPEN WATER	

**NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE**

	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>						
PERMANENT						
TEMPORARY						
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT	730 SQ. FT. 0.017 ACRES					730 SQ. FT. 0.017 ACRES
TEMPORARY						
<b>RIPIARIAN ZONE</b>						
PERMANENT						
TEMPORARY						

**TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE**

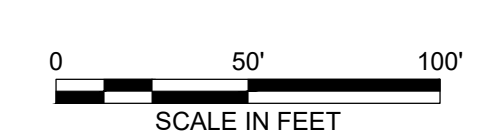
	MIXED PINE BARRENS/ OAK-DOMINATED FOREST	UPLAND FOREST	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
GROSS AREAS	7699 SQ. FT. 0.177 ACRES	15059 SQ. FT. 0.346 ACRES	22758 SQ. FT. 0.522 ACRES



I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

**KATHERINE L. HERING**  
No. GE42269  
LICENSED PROFESSIONAL ENGINEER

STATE OF NEW JERSEY  
KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER



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- REFERENCES:**
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**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

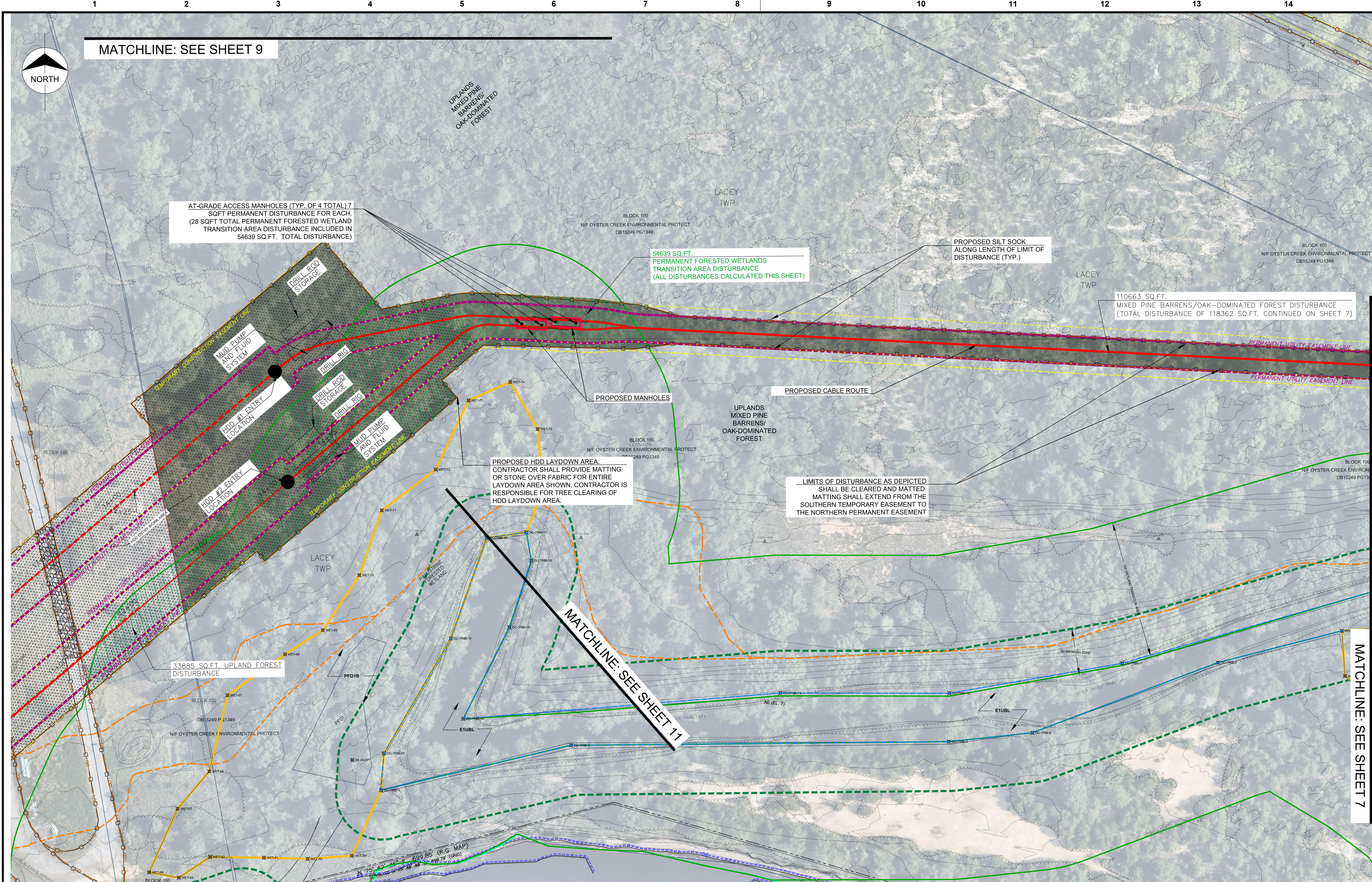
**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC007** rev. **2**

sheet 7 of 22 sheets  
DERECO # 07748229



MATCHLINE: SEE SHEET 9



AT-GRADE ACCESS MANHOLES (TYP. OF 4 TOTAL) 7 SQ.FT PERMANENT DISTURBANCE FOR EACH (28 SQ.FT TOTAL PERMANENT FORESTED WETLAND TRANSITION AREA DISTURBANCE INCLUDED IN 54639 SQ.FT. TOTAL DISTURBANCE)

54639 SQ.FT. PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE (ALL DISTURBANCES CALCULATED THIS SHEET)

PROPOSED SILT SOCK ALONG LENGTH OF LIMIT OF DISTURBANCE (TYP.)

110663 SQ.FT. MIXED PINE BARRENS/OAK-DOMINATED FOREST DISTURBANCE (TOTAL DISTURBANCE OF 118362 SQ.FT. CONTINUED ON SHEET 7)

PROPOSED HDD LAYDOWN AREA. CONTRACTOR SHALL PROVIDE MATTING OR STONE OVER FABRIC FOR ENTIRE LAYDOWN AREA SHOWN. CONTRACTOR IS RESPONSIBLE FOR TREE CLEARING OF HDD LAYDOWN AREA.

LIMITS OF DISTURBANCE AS DEPICTED SHALL BE CLEARED AND MATTED. MATTING SHALL EXTEND FROM THE SOUTHERN TEMPORARY EASEMENT TO THE NORTHERN PERMANENT EASEMENT

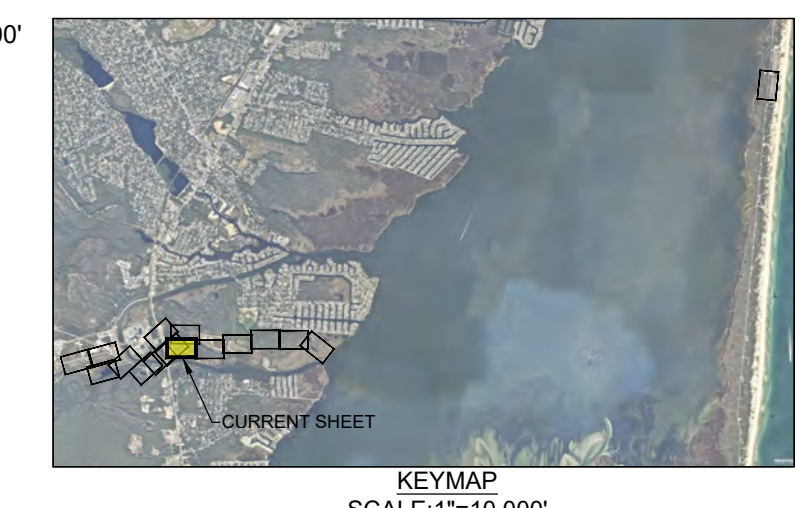
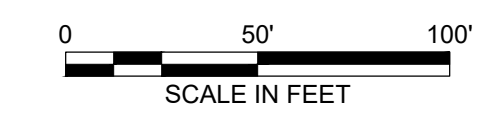
33885 SQ.FT. UPLAND FOREST DISTURBANCE

MATCHLINE: SEE SHEET 11

MATCHLINE: SEE SHEET 7

LEGEND			
	PROPOSED EXPORT CABLE		OPEN WATER
	PROPOSED EXPORT CABLE (HDD)		LIMIT OF DELINEATED WETLAND/ OPEN WATER
	TEMPORARY CONSTRUCTION EASEMENT LINE		LIMIT OF DISTURBANCE
	PERMANENT UTILITY EASEMENT LINE		LIMIT OF DELINEATED WETLAND
	FEMA LINE AND DESIGNATION		SILT FENCE/SILT SOCK
	LIMIT OF 1970 COASTAL WETLAND LINE		DELINEATED WETLAND
	LIMIT OF DELINEATED WETLAND		TJB/MANHOLE
	WETLAND TRANSITION AREA		PERMANENT FORESTED WETLANDS TRANSITION AREA DISTURBANCE
	RIPARIAN ZONE		UPLAND FOREST
	MEAN HIGH WATER LINE		MIXED PINE BARRENS/OAK-DOMINATED
			PROPOSED STONE TRACKING PAD
			LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)

NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE						
	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>						
PERMANENT						
TEMPORARY						
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT	54639 SQ.FT. 1.254 ACRES					54639 SQ.FT. 1.254 ACRES
TEMPORARY						
<b>RIPARIAN ZONE</b>						
PERMANENT						
TEMPORARY						



TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE			
	MIXED PINE BARRENS/OAK-DOMINATED FOREST	UPLAND FOREST	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
GROSS AREAS	110663 SQ.FT. 2.540 ACRES	25027 SQ.FT. 0.575 ACRES	135690 SQ.FT. 3.115 ACRES

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION



KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900 LICENSED PROFESSIONAL ENGINEER

no.	date	by	ckd	description
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FOR PERMITTING APPROVAL



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E 2 PROJECT MANAGEMENT LLC

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designed	JMS	checked	KLH/JMS

NJDEP INDIVIDUAL PERMIT PLANS

OCEAN WIND OFFSHORE WIND PROJECT

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing OL-OC008 - rev. 2

sheet 8 of 22 sheets  
DERECO # 07748229





MATCHLINE: SEE SHEET 10

PROPOSED PIPE STRINGING AREA FOR HDD. CONTRACTOR SHALL CLEAR AREA OF ALL VEGETATION. TEMPORARY SOIL CONTROL MEASURES SUCH AS SILT SOCK OR SILT FENCE SHALL BE INSTALLED AROUND PERIMETER. TEMPORARY TIMBER MATTING SHALL BE INSTALLED WHERE DIRECTED.

UPLANDS MIXED PINE BARRENS OAK-DOMINATED FOREST

MATCHLINE: SEE SHEET 7

EXISTING PAVED ROADWAY FOR ACCESS

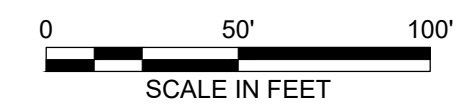
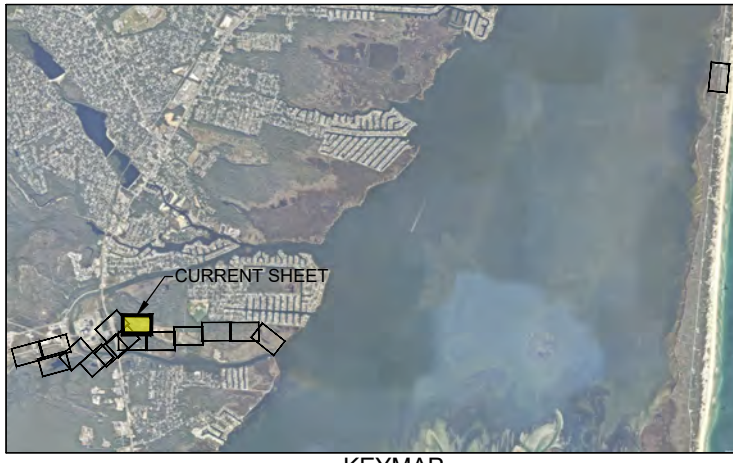
MATCHLINE: SEE SHEET 8

UPLANDS FOREST

UPLANDS MIXED PINE BARRENS OAK-DOMINATED FOREST

LEGEND	
	TEMPORARY CONSTRUCTION EASEMENT LINE
	LIMIT OF DISTURBANCE
	SILT FENCE/SILT SOCK

NO IMPACT TO REGULATED AREAS ON THIS SHEET



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KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900 LICENSED PROFESSIONAL ENGINEER

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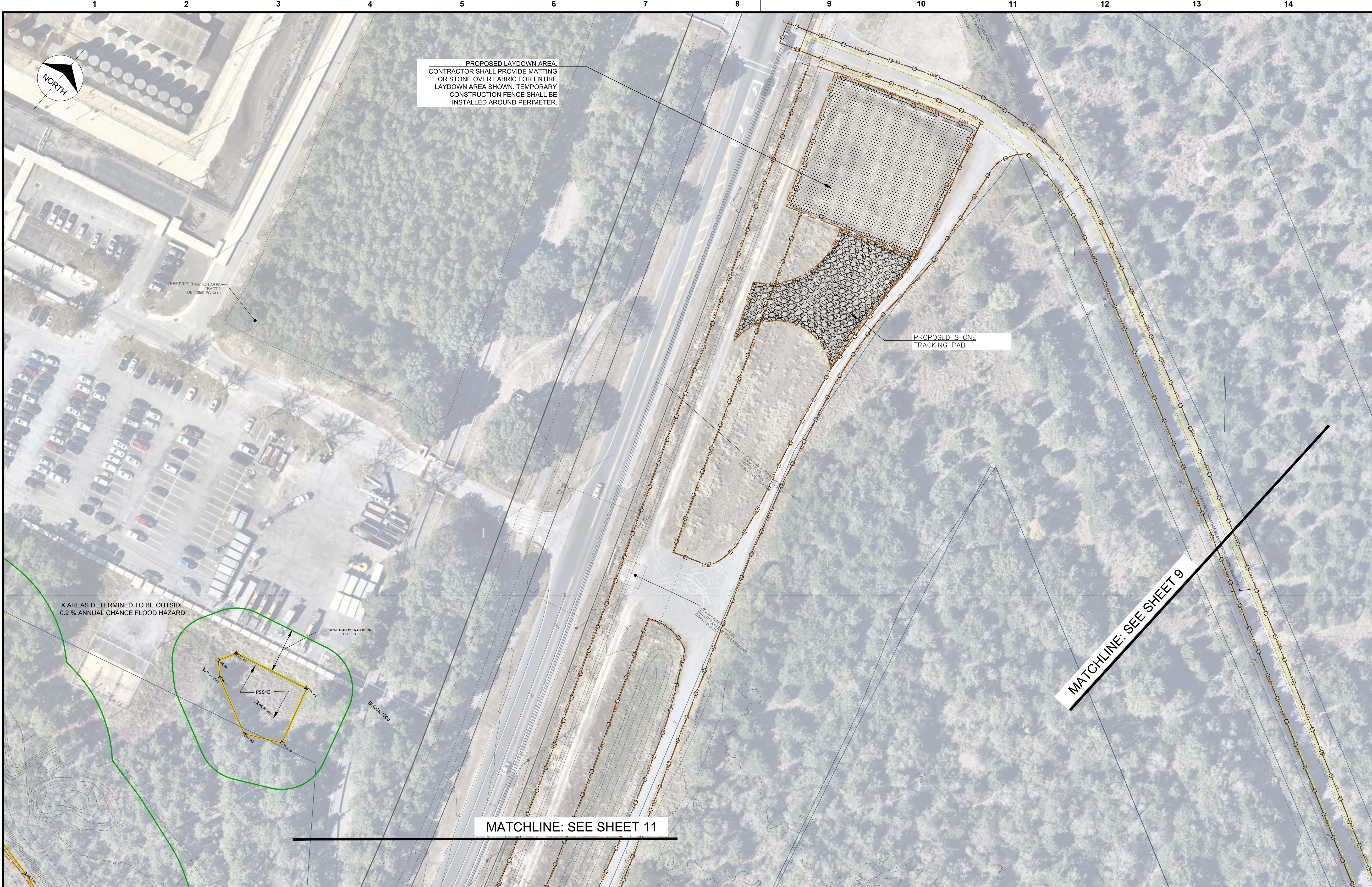
OCEAN WIND OFFSHORE WIND PROJECT

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing OL-OC009 - rev. 2

sheet 9 of 22 sheets  
DERECO # 07748229



PROPOSED LAYDOWN AREA.  
CONTRACTOR SHALL PROVIDE MATTING  
OR STONE OVER FABRIC FOR ENTIRE  
LAYDOWN AREA SHOWN. TEMPORARY  
CONSTRUCTION FENCE SHALL BE  
INSTALLED AROUND PERIMETER.

PROPOSED STONE  
TRACKING PAD

MATCHLINE: SEE SHEET 9

MATCHLINE: SEE SHEET 11

X AREAS DETERMINED TO BE OUTSIDE  
0.2% ANNUAL CHANCE FLOOD HAZARD

LEGEND	
	TEMPORARY CONSTRUCTION EASEMENT LINE
	FEMA LINE AND DESIGNATION
	LIMIT OF DELINEATED WETLAND
	WETLAND TRANSITION AREA
	LIMIT OF DISTURBANCE
	SILT FENCE/SILT SOCK
	DELINEATED WETLAND

NO IMPACT TO REGULATED AREAS ON THIS SHEET

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

SITE CONSTRAINTS MAP

OCEAN WIND OFFSHORE WIND PROJECT

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

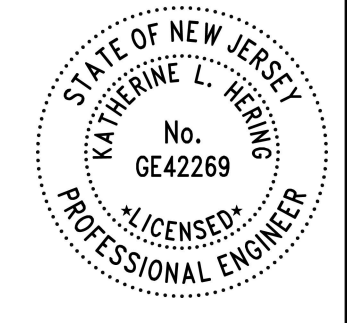
project P-21-03-26

drawing **OL-OC010** rev. **2**

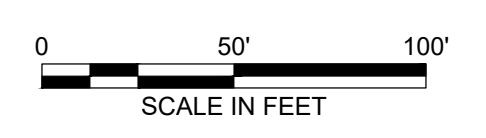
sheet 10 of 22 sheets  
DERECO # 07748229

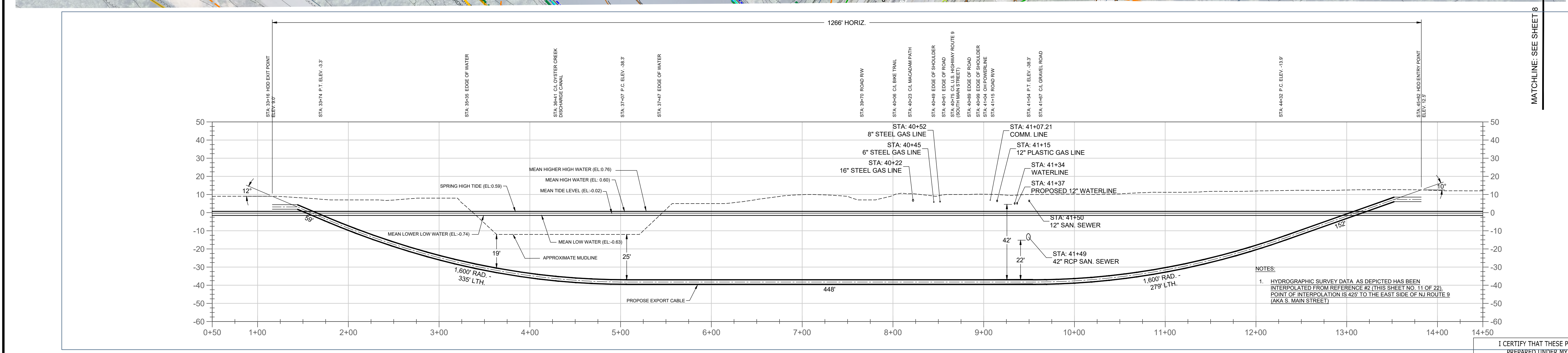
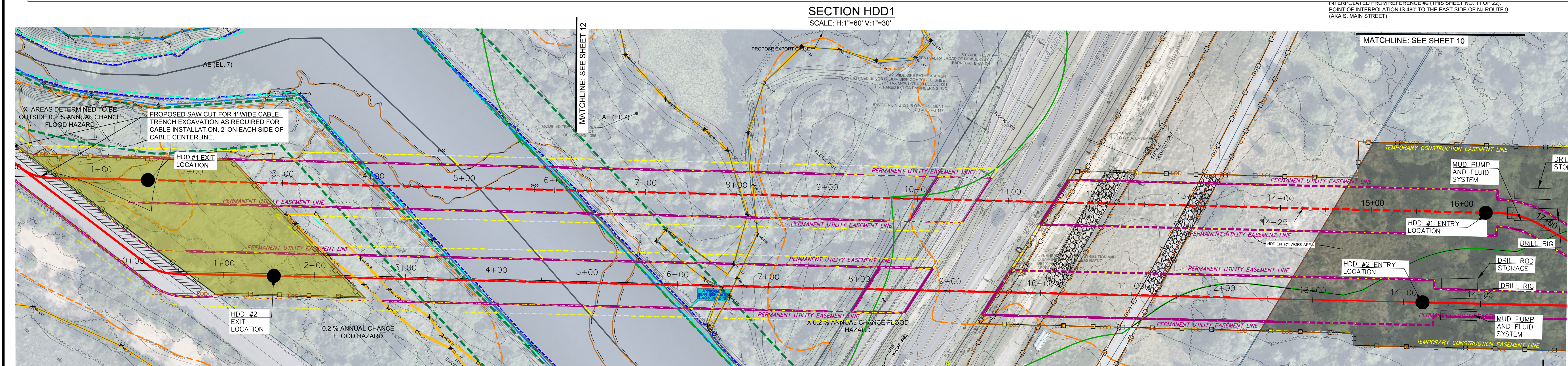
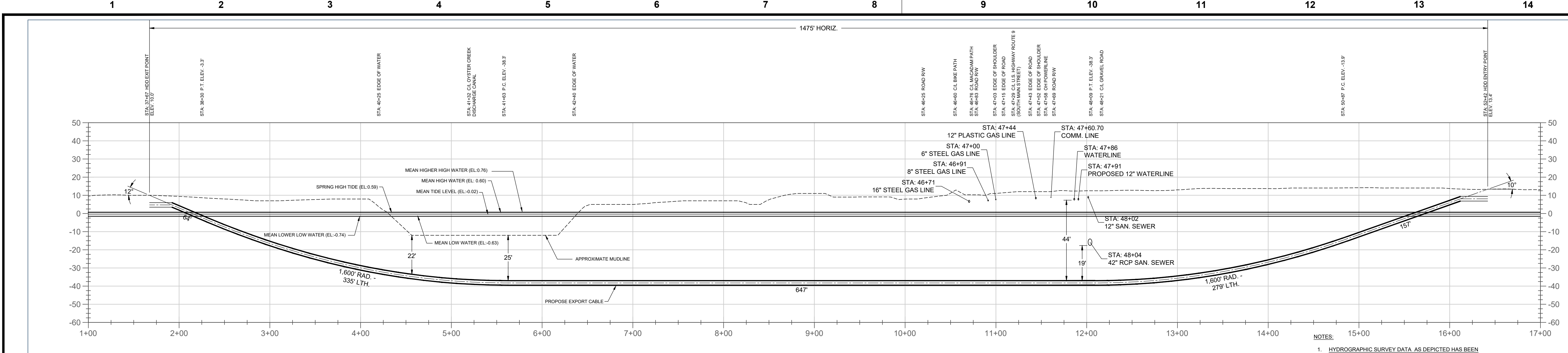


I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION



KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER





**LEGEND**

	PROPOSED EXPORT CABLE		OPEN WATER		PROPOSED STONE TRACKING PAD
	PROPOSED EXPORT CABLE (HDD)		TIDELANDS CLAIM LINE		LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)
	TEMPORARY CONSTRUCTION EASEMENT LINE		LIMIT OF DISTURBANCE		DELINEATED WETLAND
	PERMANENT UTILITY EASEMENT LINE		SILT FENCE/SILT SOCK		TEMPORARY FORESTED WETLANDS TRANSITION AREA DISTURBANCE
	FEMA LINE AND DESIGNATION		DELINEATED WETLAND		
	LIMIT OF 1970 COASTAL WETLAND LINE				
	LIMIT OF DELINEATED WETLAND				
	WETLAND TRANSITION AREA				
	RIPARIAN ZONE				
	MEAN HIGH WATER LINE				

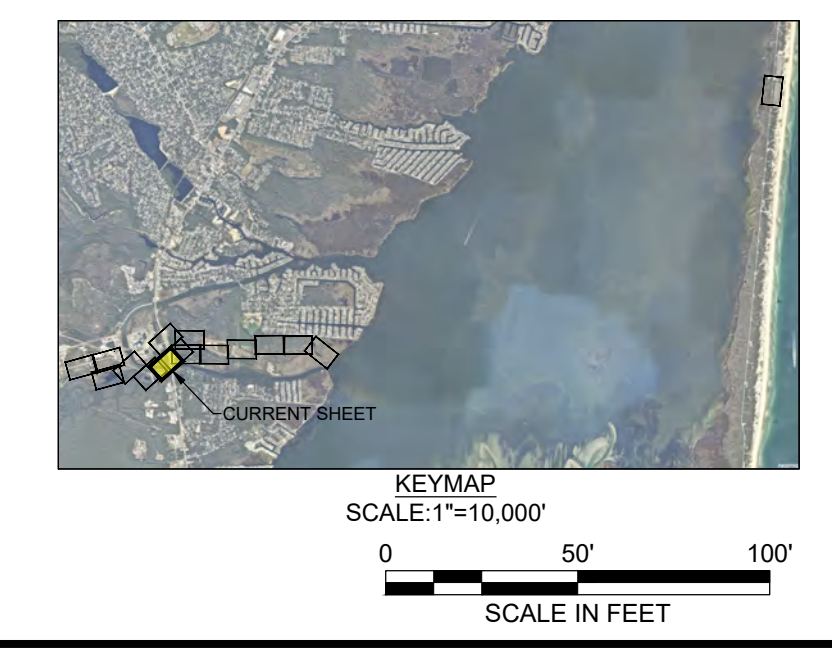
**LACEY TOWNSHIP**  
Interpolation between tidal stations #8533615 BARNEGAT INLET (INSIDE), NJ and #8535101 CORSON

	NAVD-88 FEET	NGVD-29 FEET
SPRING HIGH TIDE	SHT 0.59	-0.66
MEAN HIGHER HIGH WATER	MHHW 0.76	-0.49
MEAN HIGH WATER	MHW 0.6	-0.65
MEAN TIDE LEVEL	MTL -0.02	-1.27
MEAN LOW WATER	MLW -0.63	-1.88
MEAN LOWER LOW WATER	MLLW -0.74	-1.99

NAVD-88 TO NGVD-29 CONVERSION FACTOR = -1.25'

**SECTION HDD2**  
SCALE: H:1"=60' V:1"=30'

1. HYDROGRAPHIC SURVEY DATA AS DEPICTED HAS BEEN INTERPOLATED FROM REFERENCE #2 (THIS SHEET NO. 11 OF 22). POINT OF INTERPOLATION IS 425' TO THE EAST SIDE OF NJ ROUTE 9 (AKA S. MAIN STREET)



no.	date	by	ckd	description
0	07/20/2022	AG	JS/KLH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JS/KLH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
2	1/05/2023	AG	JS/KLH	UPDATED ROUTE AND STATION AND RE-ISSUED FOR PERMIT REVIEW AND APPROVALS

- NOTES:**
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  - ONLY OCEAN WIND LLC LAND RIGHTS HAVE BEEN SURVEYED. ADDITIONAL TAX LOT LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.
  - UNDERGROUND UTILITY LINES AND EASEMENTS SHOWN ARE APPROXIMATE AND BASED ON RECORD INFORMATION AND/OR ABOVE GROUND MARKER LOCATIONS ONLY. ACCORDING TO N.J.S.A. 48-2-73 ET SEQ. ANYONE PLANNING EXCAVATIONS IN THE AREA MUST CALL 811 FOR A MARKOUT OF THE UNDERGROUND UTILITIES. DO NOT RELY ON THIS PLAN FOR UNDERGROUND UTILITY LOCATIONS.
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**REFERENCES:**

- IMAGERY PROVIDED BY NEARMAP DATED OCTOBER 2021
- HYDROGRAPHIC SURVEY ENTITLED "OYSTER CREEK LACEY TWP & OCEAN TWP, OCEAN COUNTY SOUNDINGS FEBRUARY 22, 2007, SHEET 4 OF 4, DATED DECEMBER 8, 2020, PREPARED BY GANAGAN & BRYANT ASSOCIATES, INC. FOR STATE OF NEW JERSEY NJDOT OFFICE OF MARITIME RESOURCES.

**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
FAX: (973) 299-5059  
www.E2PM.com

**E2PM**

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC011** rev. **2**

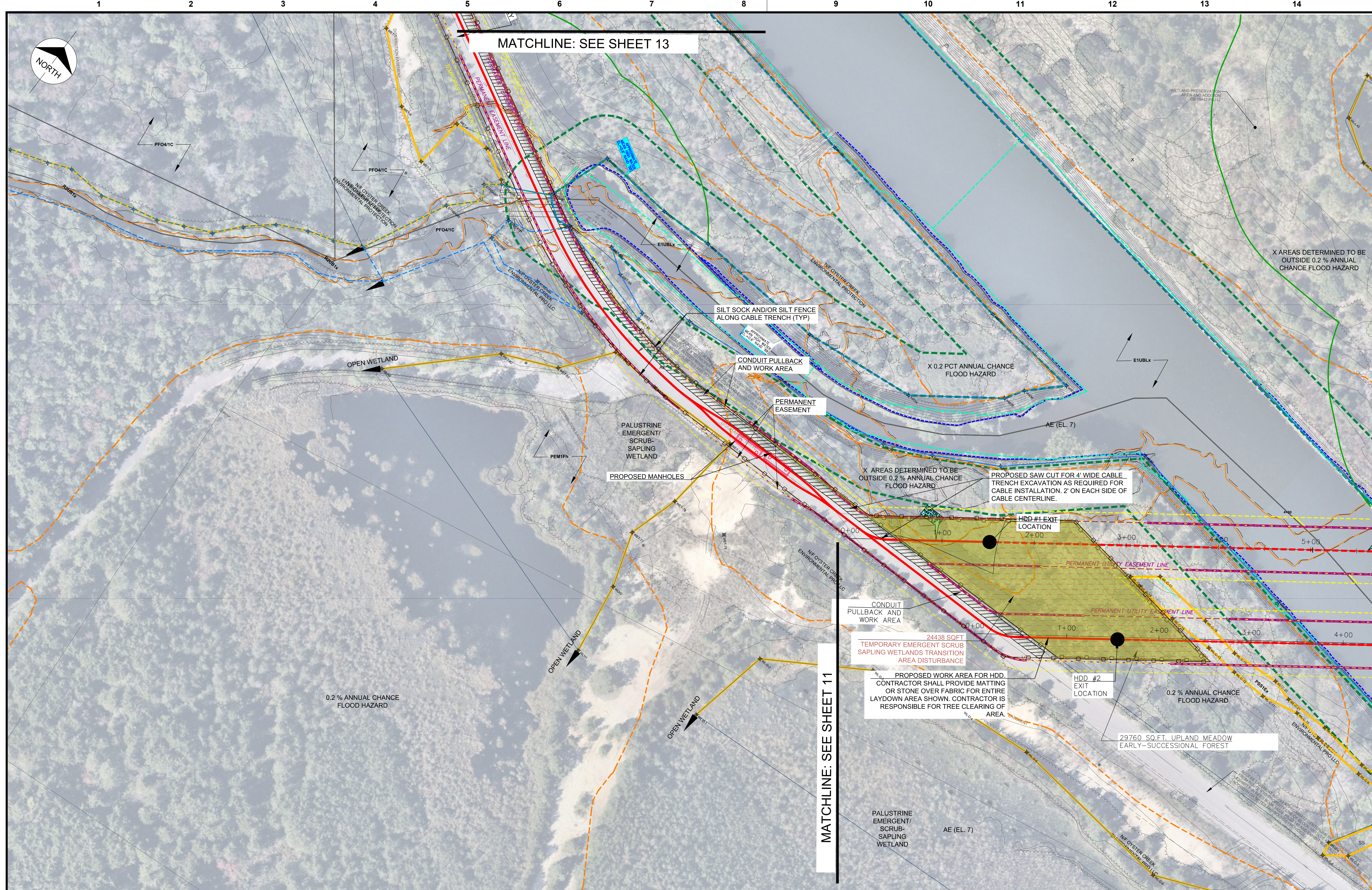
sheet 11 of 22 sheets

DERECO # 07748229

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

**KATHERINE L. HERING**  
No. GE42269  
LICENSED PROFESSIONAL ENGINEER

KATHERINE L. HERING, P.E., N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER



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**FOR PERMITTING APPROVAL**



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**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
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designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

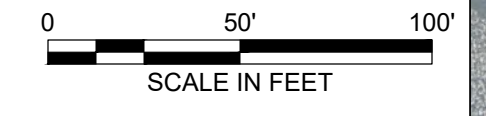
project P-21-03-26

drawing **OL-OC012** - rev. **2**

sheet 12 of 22 sheets  
DERECO # 07748229

LEGEND			
	PROPOSED EXPORT CABLE		OPEN WATER
	PROPOSED EXPORT CABLE (HDD)		TIDELANDS CLAIM LINE
	TEMPORARY CONSTRUCTION EASEMENT LINE		LIMIT OF DISTURBANCE
	PERMANENT UTILITY EASEMENT LINE		SILT FENCE/SILT SOCK
	FEMA LINE AND DESIGNATION		DELINEATED WETLAND
	LIMIT OF 1970 COASTAL WETLAND LINE		UPLAND MEADOW EARLY-SUCCESSIONAL FOREST
	LIMIT OF DELINEATED WETLAND		TJ/MANHOLE
	WETLAND TRANSITION AREA		
	RIPARIAN ZONE		
	MEAN HIGH WATER LINE		
	LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)		
	TEMPORARY EMERGENT SCRUB SAPLING WETLANDS TRANSITION AREA DISTURBANCE		

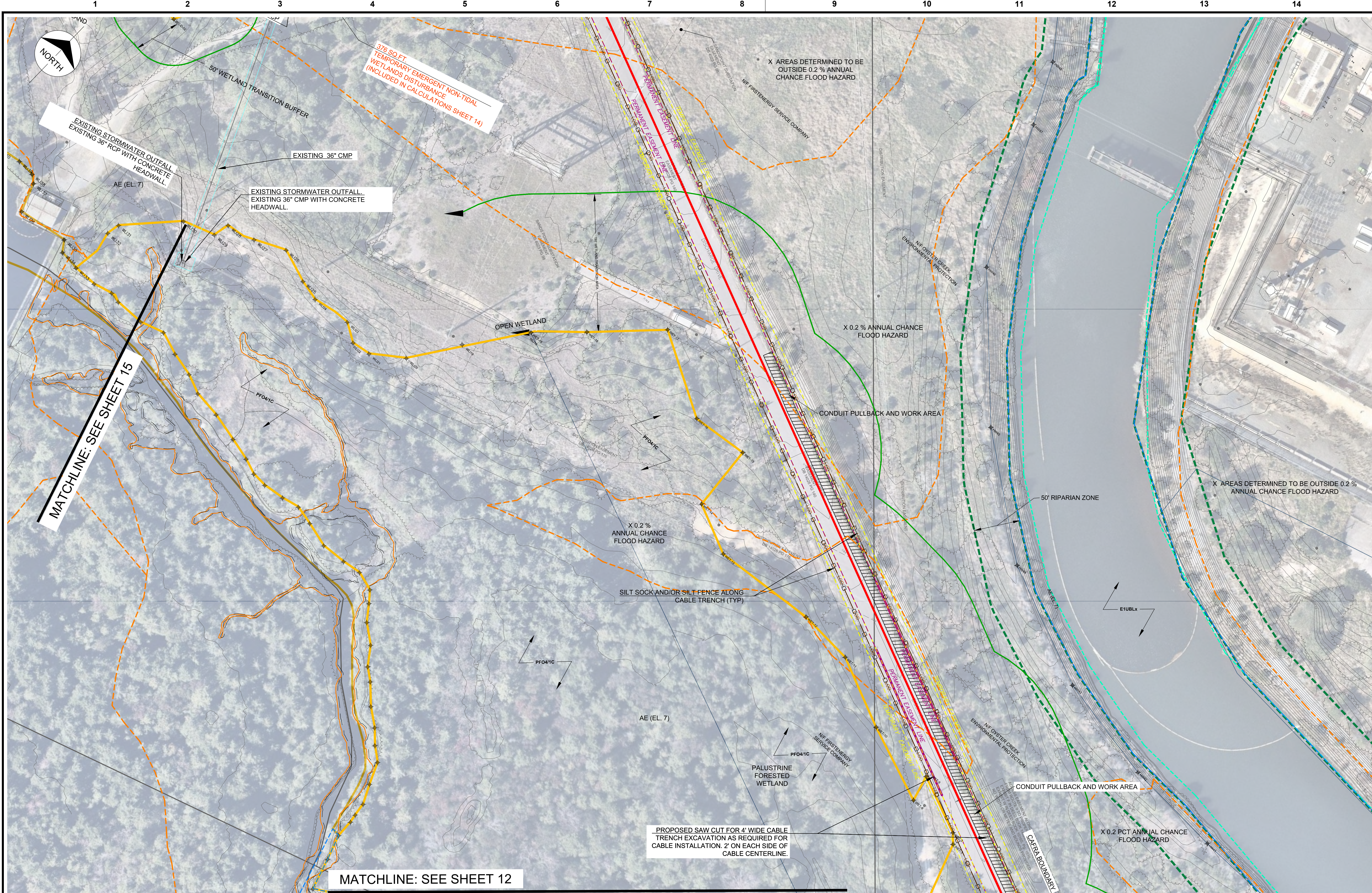
NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE						
	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>						
PERMANENT						
TEMPORARY						
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT						
TEMPORARY		23525 SQ.FT. 0.540 ACRES				23525 SQ.FT. 0.540 ACRES
<b>RIPARIAN ZONE</b>						
PERMANENT						
TEMPORARY						



TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE			
	UPLAND SCRUB/SHRUB EARLY-SUCCESSIONAL FOREST	UPLAND FOREST	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
GROSS AREAS	29760 SQ.FT. 0.683 ACRES	29760 SQ.FT. 0.683 ACRES	

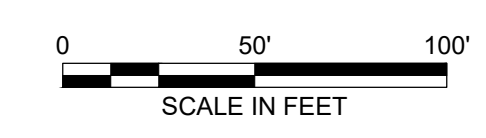
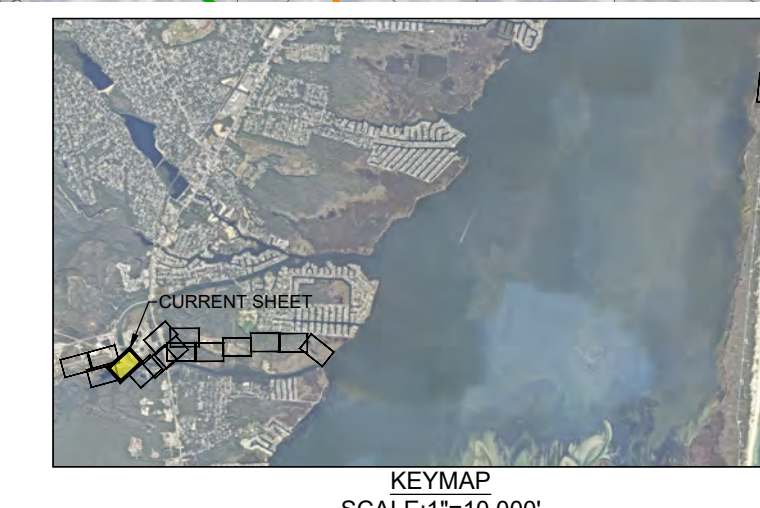
I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER



LEGEND	
	PROPOSED EXPORT CABLE
	TEMPORARY CONSTRUCTION EASEMENT LINE
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	FEMA LINE AND DESIGNATION
	LIMIT OF 1970 COASTAL WETLAND LINE
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	LIMIT OF DISTURBANCE
	SILT FENCE/SILT SOCK
	DELINEATED WETLAND
	LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)

NO IMPACT TO REGULATED AREAS ON THIS SHEET



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- REFERENCES:
- IMAGERY PROVIDED BY NEARMAP DATED OCTOBER 2021

FOR PERMITTING APPROVAL

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An Ørsted & PSEG project

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

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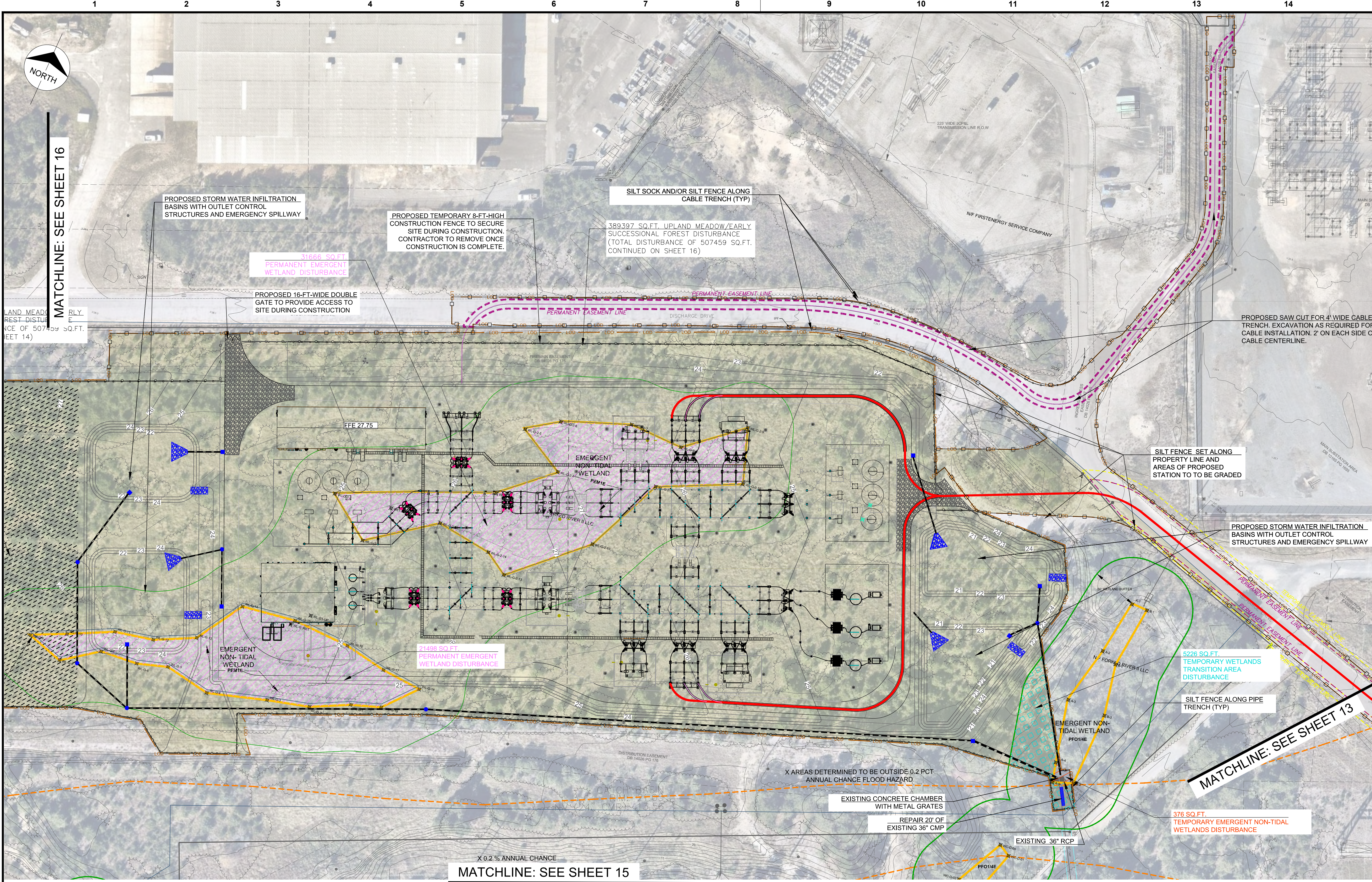
OCEAN WIND OFFSHORE WIND PROJECT

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC013** — **2** rev.

sheet 13 of 22 sheets  
DERECO # 07748229



MATCHLINE: SEE SHEET 16

MATCHLINE: SEE SHEET 15

MATCHLINE: SEE SHEET 13

LEGEND	
	PROPOSED EXPORT CABLE
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	PROPOSED LAYDOWN AREA FOR SUBSTATION
	UPLAND MEADOW EARLY-SUCCESSIONAL FOREST

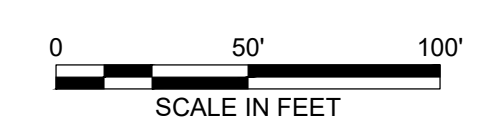
NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE						
	FORESTED	SCRUB-SAPLING	EMERGENCY NON-TIDAL	EMERGENCY TIDAL	UPLAND MEADOW	TOTAL
<b>FRESHWATER WETLANDS</b>						
PERMANENT			53164 SQ.FT. 1.200 ACRES			53164 SQ.FT. 1.200 ACRES
TEMPORARY			376 SQ.FT. 0.008 ACRES			376 SQ.FT. 0.008 ACRES
<b>FRESHWATER WETLANDS TRANSITION AREA</b>						
PERMANENT						
TEMPORARY			5226 SQ.FT. 0.120 ACRES			5226 SQ.FT. 0.120 ACRES
<b>RIPARIAN ZONE</b>						
PERMANENT						
TEMPORARY						

TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE			
	UPLAND MEADOW	UPLAND FOREST	TOTAL
<b>WOODY VEGETATION CLEARING</b>			
GROSS AREAS	389397 SQ.FT. 8.940 ACRES		389397 SQ.FT. 8.940 ACRES



I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER



no.	date	by	ckd	description
0	07/20/2022	AG	JS/KLH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JS/KLH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
2	1/05/2023	AG	JS/KLH	UPDATED ROUTE AND STATION AND RE-ISSUED FOR PERMIT REVIEW AND APPROVALS

**NOTES:**

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REFERENCES:  
1. IMAGERY PROVIDED BY NEARMAP DATED OCTOBER 2021

**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
FAX: (973) 299-5059  
www.E2PM.com

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

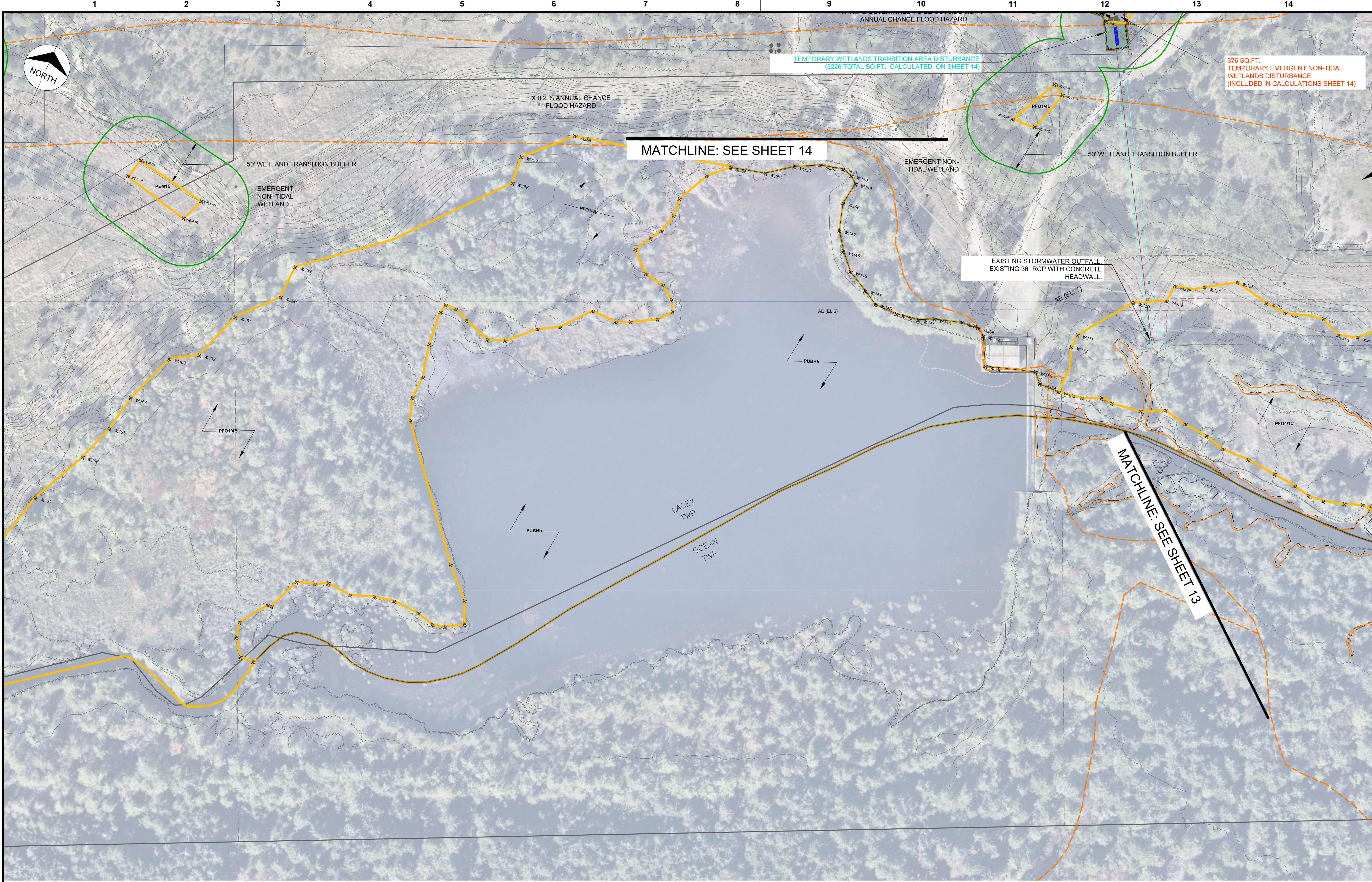
**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC014** - rev. **2**

sheet 14 of 22 sheets  
DERECO # 07748229



no.	date	by	ckd	description
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- REFERENCES:**
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**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC015** - rev. **2**

sheet 15 of 22 sheets

DERECO # 07748229

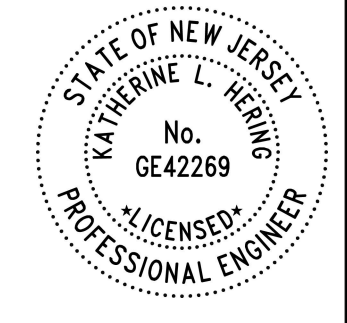
**LEGEND**

	FEMA LINE AND DESIGNATION		TEMPORARY EMERGENT NON-TIDAL WETLANDS DISTURBANCE
	LIMIT OF DELINEATED WETLAND		TEMPORARY WETLANDS TRANSITION AREA DISTURBANCE
	WETLAND TRANSITION AREA		
	TIDELANDS CLAIMS LINE		
	DELINEATED WETLAND		

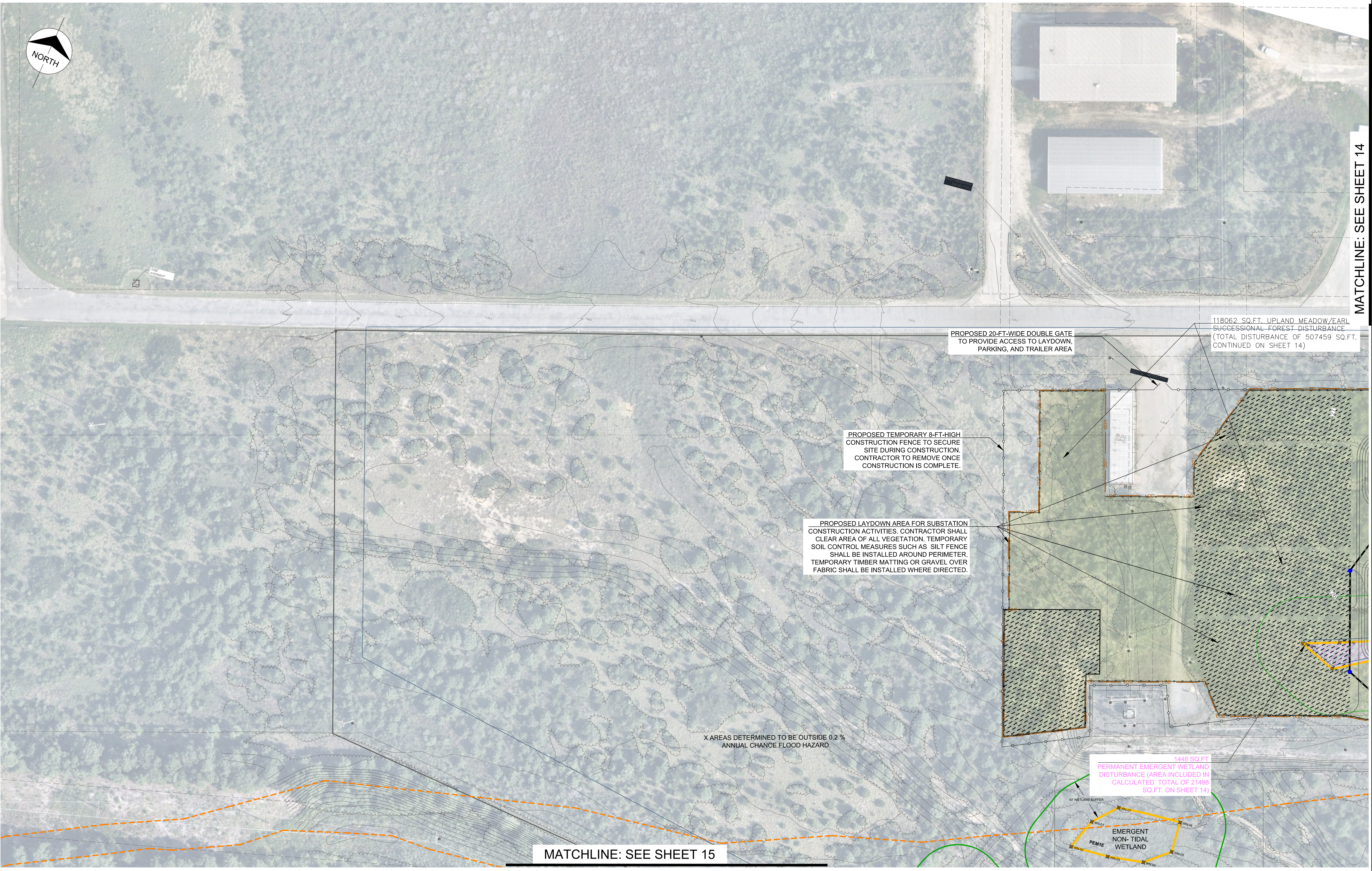
NO IMPACT TO REGULATED AREAS ON THIS SHEET



I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION



KATHERINE L. HERING, P.E., N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER



MATCHLINE: SEE SHEET 14

no.	date	by	ckd	description
0	07/20/2022	AG	JSK/LH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JSK/LH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
2	1/05/2023	AG	JSK/LH	UPDATED ROUTE AND STATION AND RE-ISSUED FOR PERMIT REVIEW AND APPROVALS

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**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project	P-21-03-26
drawing	<b>OL-OC016</b> - rev. <b>2</b>
sheet	16 of 21 sheets

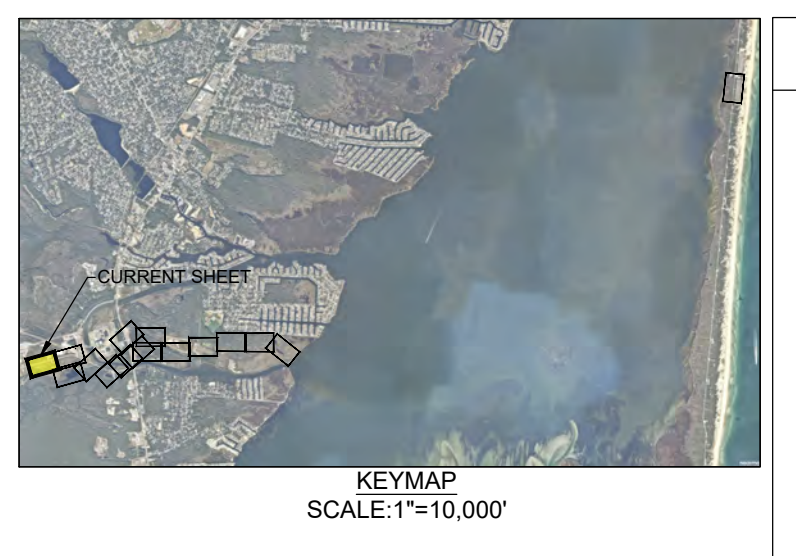
DERECO # 07748229

**LEGEND**

	FEMA LINE AND DESIGNATION		PERMANENT EMERGENT WETLANDS DISTURBANCE
	LIMIT OF DELINEATED WETLAND		PROPOSED LAYDOWN AREA FOR SUBSTATION
	WETLAND TRANSITION AREA		UPLAND MEADOW EARLY-SUCCESSIONAL FOREST
	LIMIT OF DISTURBANCE		SILT FENCE/SILT SOCK
	DELINEATED WETLAND		

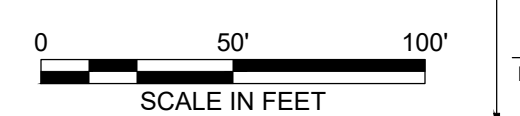
TREES AND SCRUB-SHRUB VEGETATION CLEARING IMPACT TABLE

	UPLAND REDOON (EARLY-SUCCESSIONAL FOREST)	UPLAND FOREST	TOTAL
<b>WOODY VEGETATION CLEARING</b>	118062 SQ.FT.	118062 SQ.FT.	236124 SQ.FT.
GROSS AREAS	2.710 ACRES	2.710 ACRES	5.420 ACRES

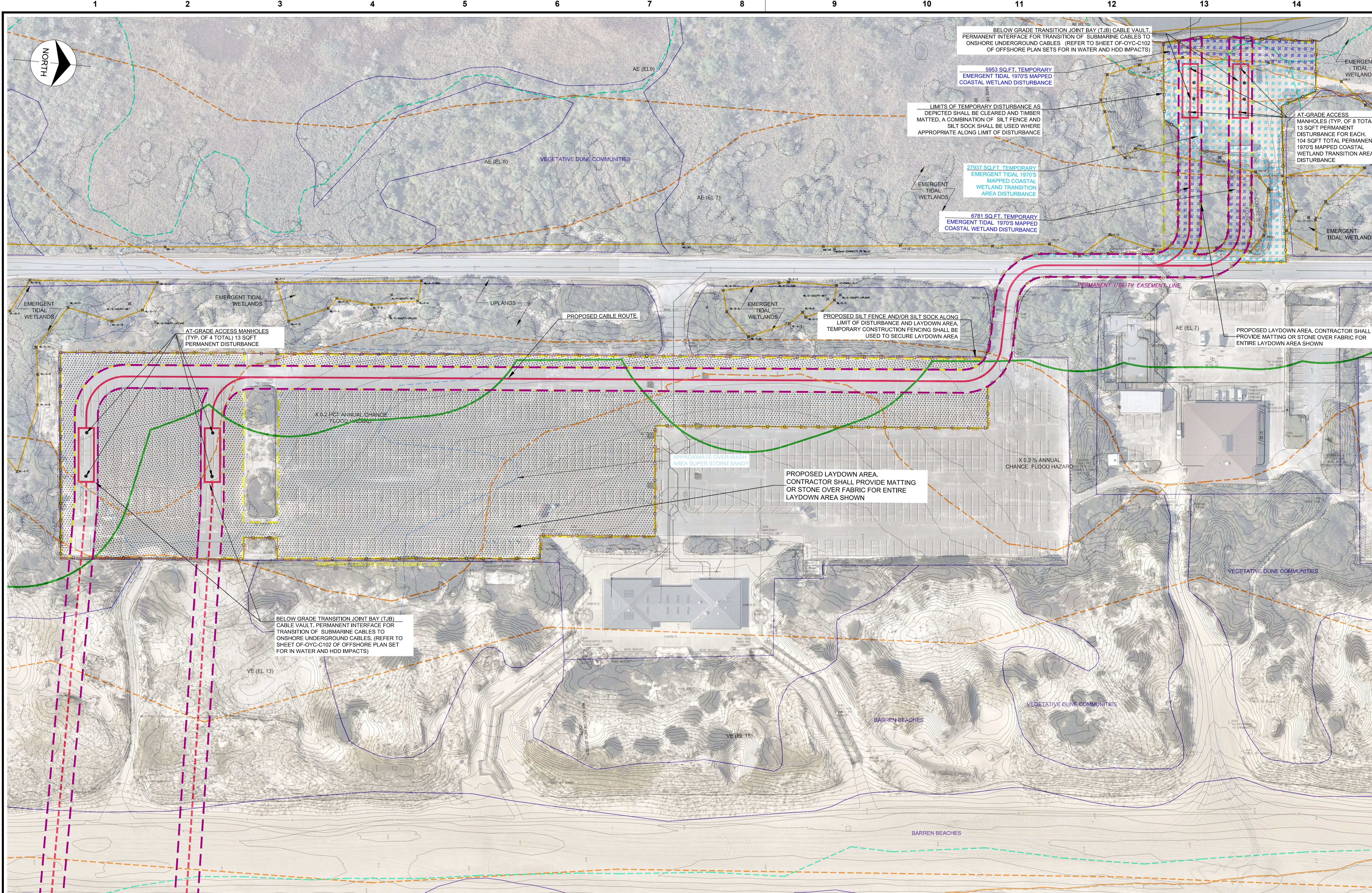


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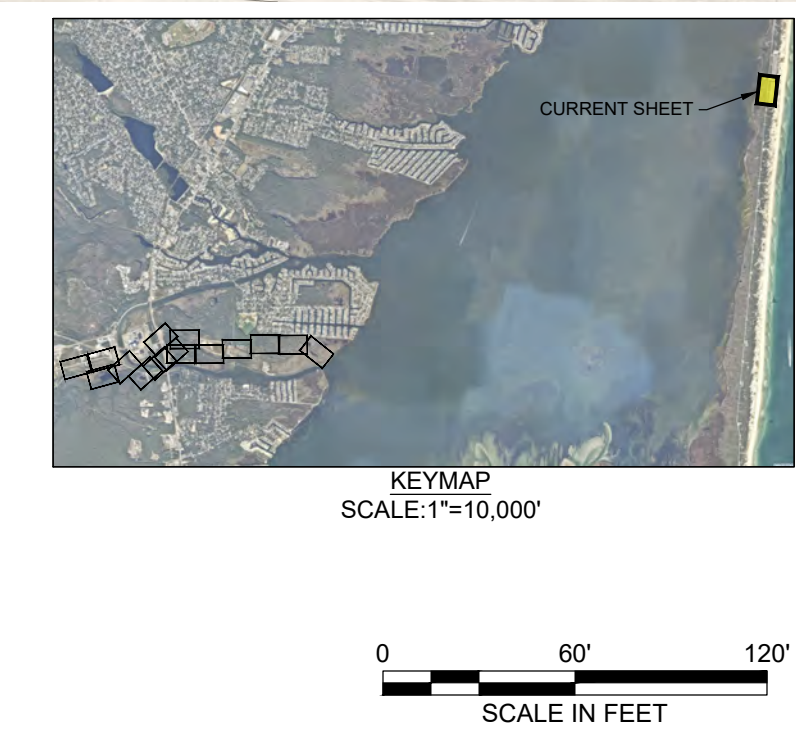






LEGEND		
	PROPOSED EXPORT CABLE	
	PROPOSED EXPORT CABLE (HDD)	
	TEMPORARY CONSTRUCTION EASEMENT LINE	
	PERMANENT UTILITY EASEMENT LINE	
	FEMA LINE AND DESIGNATION	
	LIMIT OF 1970 COASTAL WETLAND LINE	
	LIMIT OF DELINEATED WETLAND	
	WETLAND TRANSITION AREA	
	TIDELANDS CLAIM LINE	
	LIMIT OF DISTURBANCE	
	SILT FENCE/SILT SOCK	
	OVER-WASH AREA LINE	
	DUNE LIMITS	
	DELINEATED WETLAND	
	LAYDOWN AREA (TO BE CLEARED AND OVERLAID WITH STONE OR TIMBER MATTING)	
	MANHOLE	
	TEMPORARY EMERGENT TIDAL 1970'S MAPPED COASTAL WETLANDS TRANSITION AREA DISTURBANCE	
	TEMPORARY EMERGENT TIDAL 1970'S MAPPED COASTAL WETLANDS DISTURBANCE	

NJDEP DIVISION OF LAND RESOURCE PROTECTION JURISDICTIONAL RESOURCE IMPACT TABLE					
	FORESTED	SCRUB-SAPLING	EMERGENT NON-TIDAL	EMERGENT TIDAL UPLAND MEADOW	TOTAL
<b>COASTAL WETLANDS (1970 ACT)</b>					
PERMANENT					
TEMPORARY			12734 SQ.FT. 0.292 ACRES		12734 SQ.FT. 0.292 ACRES
<b>COASTAL WETLANDS TRANSITION AREA</b>					
PERMANENT			104 SQ.FT. 0.002 ACRES		104 SQ.FT. 0.002 ACRES
TEMPORARY			27937 SQ.FT. 0.641 ACRES		27937 SQ.FT. 0.641 ACRES



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KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
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  - THE STATE OF NEW JERSEY HAS DETERMINED THAT A PORTION OF THIS PROJECT LIES IN FLOOD HAZARD AREA AND RIPARIAN ZONE. CERTAIN ACTIVITIES IN FLOOD HAZARD AREAS AND RIPARIAN ZONES ARE REGULATED BY THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SOME ACTIVITIES MAY BE PROHIBITED ON THIS SITE OR MAY FIRST REQUIRE A PERMIT. CONTACT THE DIVISION OF LAND RESOURCE PROTECTION AT (800) 777-6454 FOR MORE INFORMATION PRIOR TO ANY CONSTRUCTION ONSITE.
  - THESE PLANS ARE FOR DESIGN AND PERMITTING PURPOSES ONLY AND NOT INTENDED FOR CONSTRUCTION. FINAL LOCATION OF PROPOSED IMPROVEMENTS WILL BE COORDINATED WITH ENGINEER UPON AWARD OF CONTRACT. THE ORIGINAL SIGNED DOCUMENT WITH A RAISED OR DIGITAL SEAL IS THE DOCUMENT OF RECORD.
  - WETLANDS SHOWN HEREON WERE DELINEATED BY HDR JUNE 2019, MAY 2020 AND LOCATED BY NJ LICENSED LAND SURVEYOR GEOD CORPORATION, WETLAND AND WATERCOURSE EXTENTS CONFIRMED BY NJDEP WITH SITE VERIFICATION NOVEMBER 2021. ADDITIONAL WETLANDS WITHIN PROPOSED ONSHORE CONSTRUCTION AREA CONFIRMED IN VALID NJDEP LETTER OF INTERPRETATION ISSUED AUGUST 15, 2017 (FILE NO. 1512-17-0013.1). SHAPEFILES PROVIDED BY HDR JANUARY 10, 2022 & APRIL 11, 2022.

REFERENCES:

- IMAGERY PROVIDED BY NEARMAP DATED OCTOBER 2021

**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
FAX: (973) 299-5059  
www.E2PM.com

date	designed	checked	APG
7/20/22	JMS	KLH/JMS	

**NJDEP INDIVIDUAL PERMIT PLANS**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

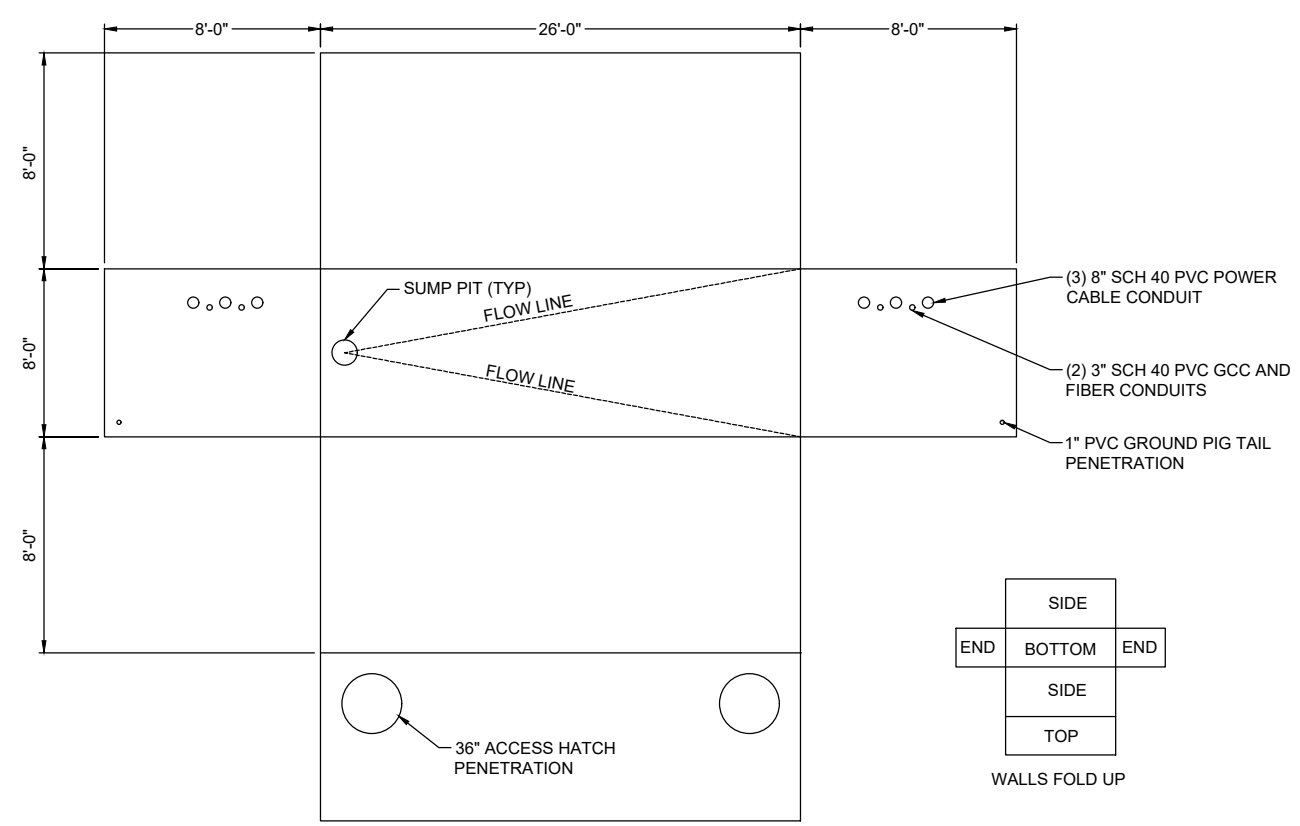
drawing **OL-OC017** rev. **2**

sheet 17 of 22 sheets

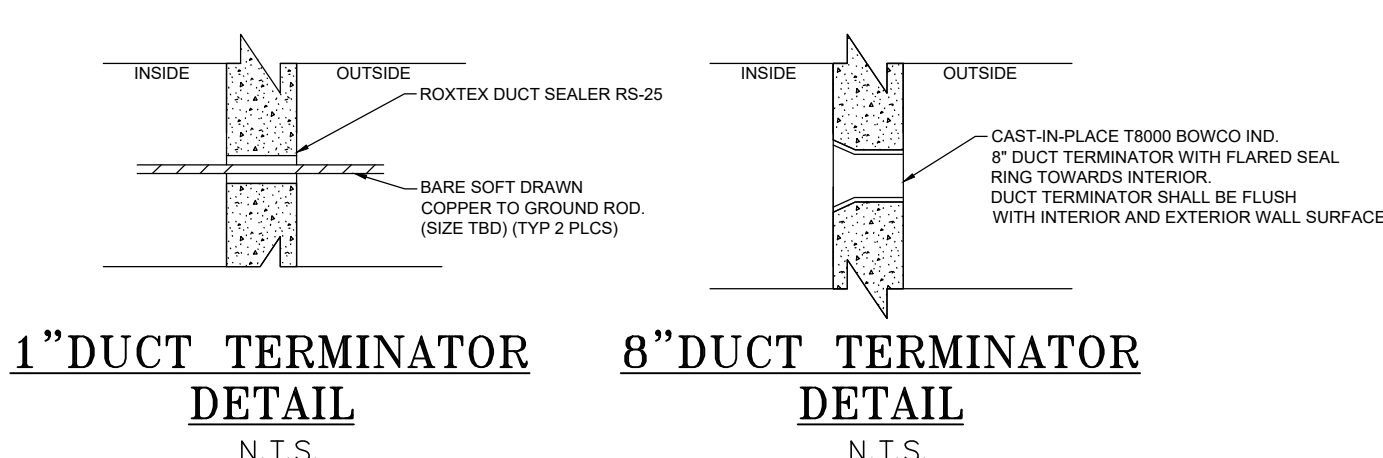
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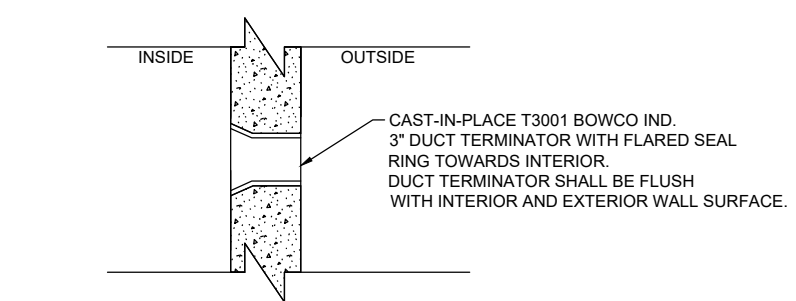




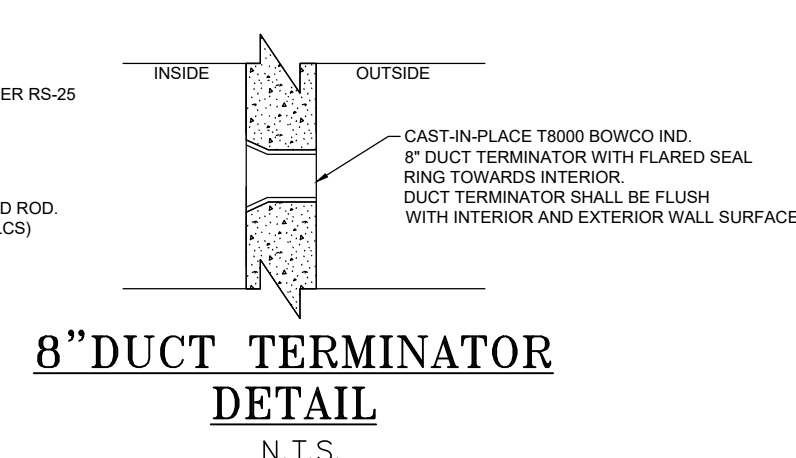
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N.T.S.



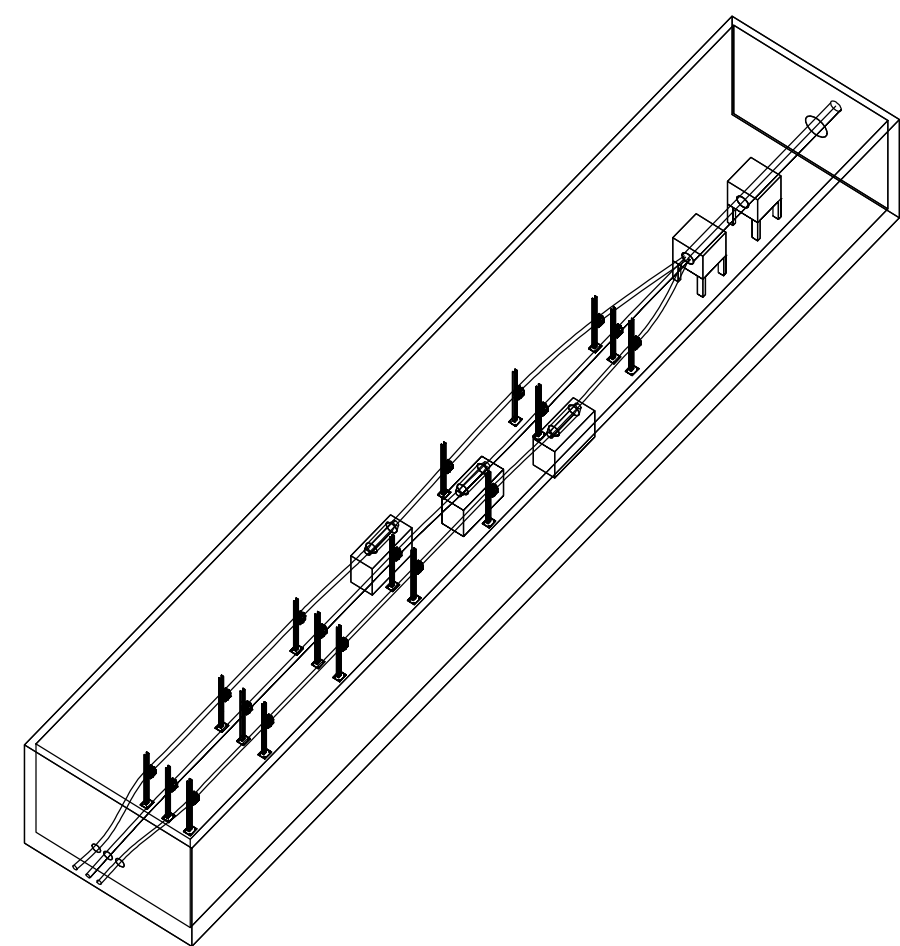
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**3\"/>**



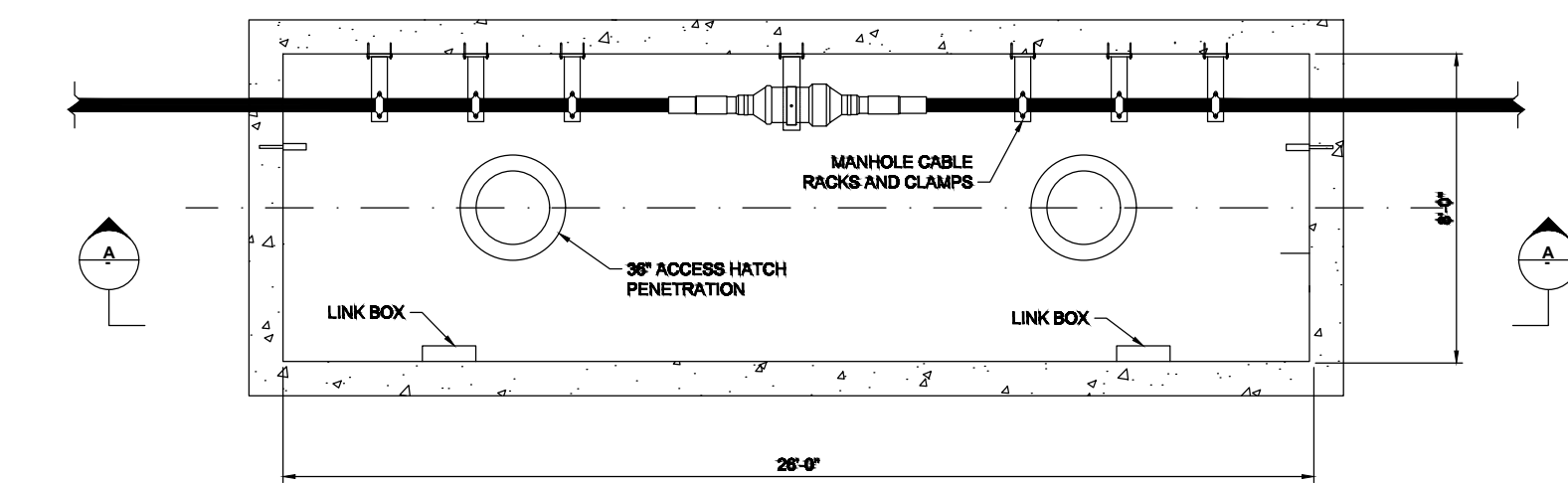
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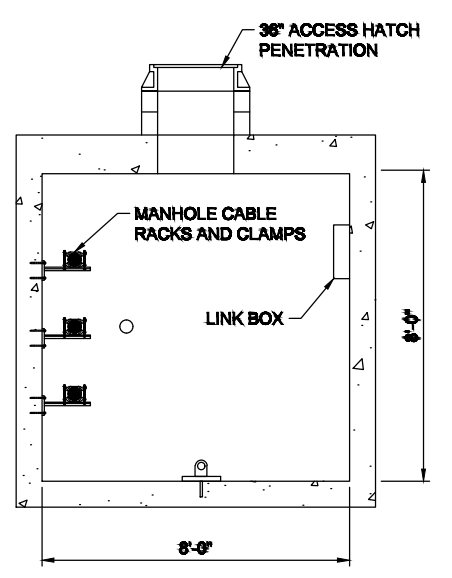
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N.T.S.

**HORIZONTAL CABLE SUPPORTS**  
N.T.S.

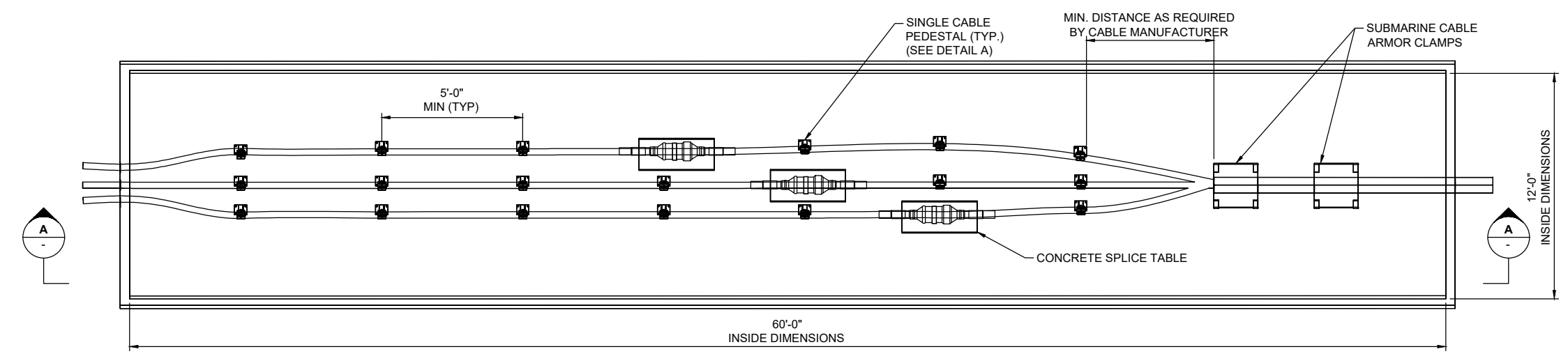
NOTES:  
CONCEPTUAL DESIGN. REVISIONS WILL BE REQUIRED PER SPECIFIC CABLE MANUFACTURER REQUIREMENTS.



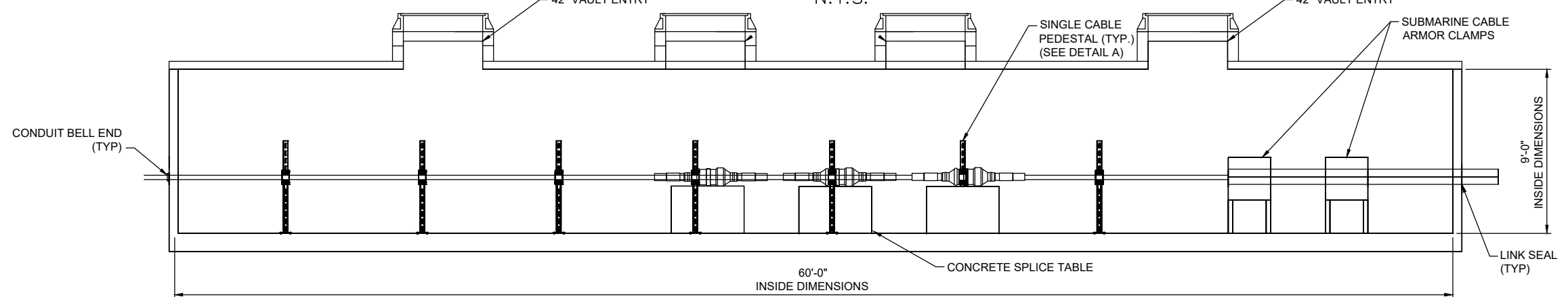
**SPLICE VAULT PLAN VIEW**  
N.T.S.



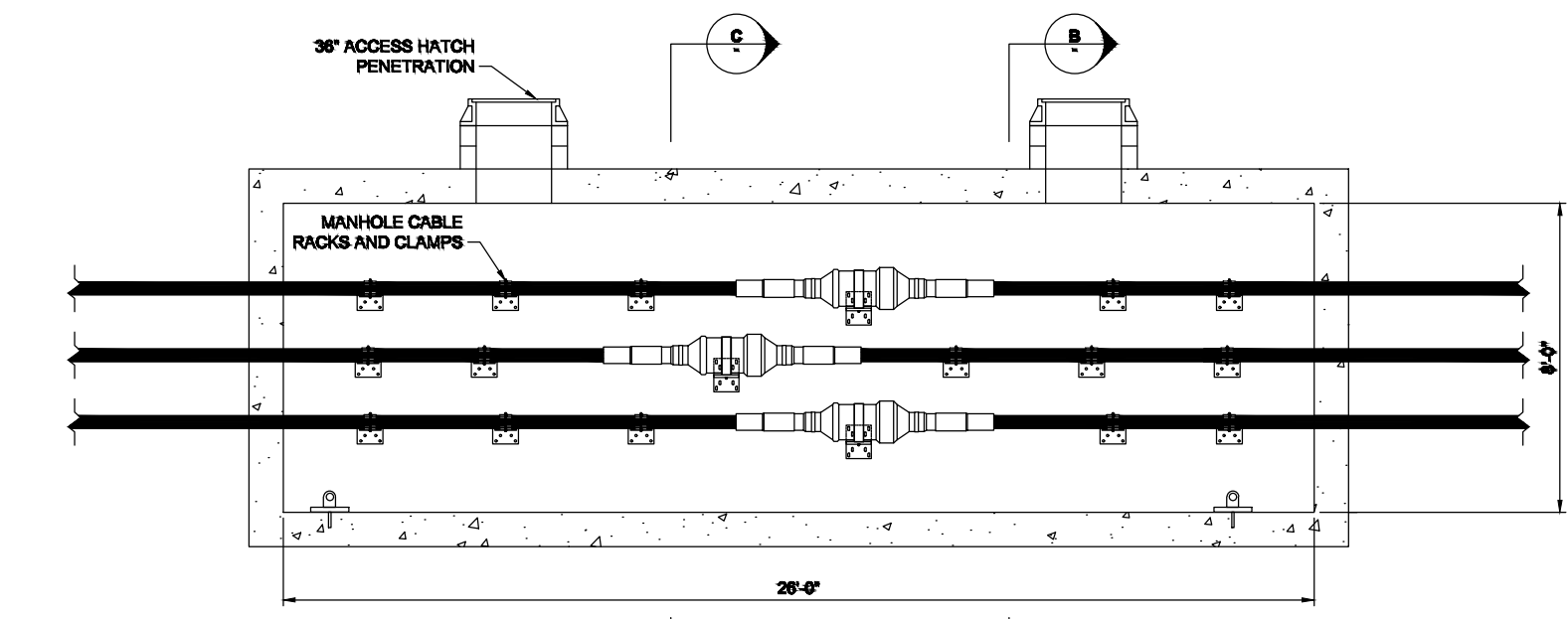
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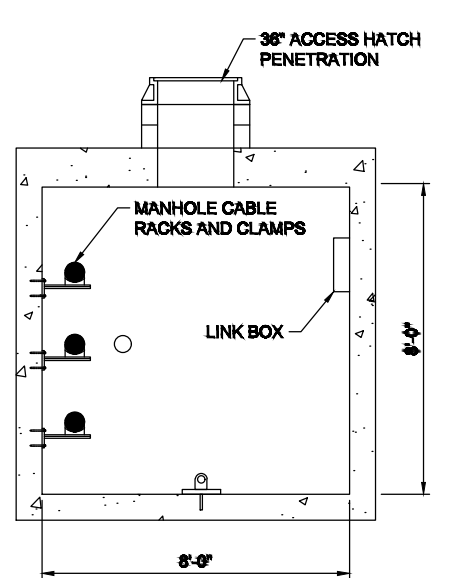
**TRANSITION VAULT PLAN VIEW**  
N.T.S.



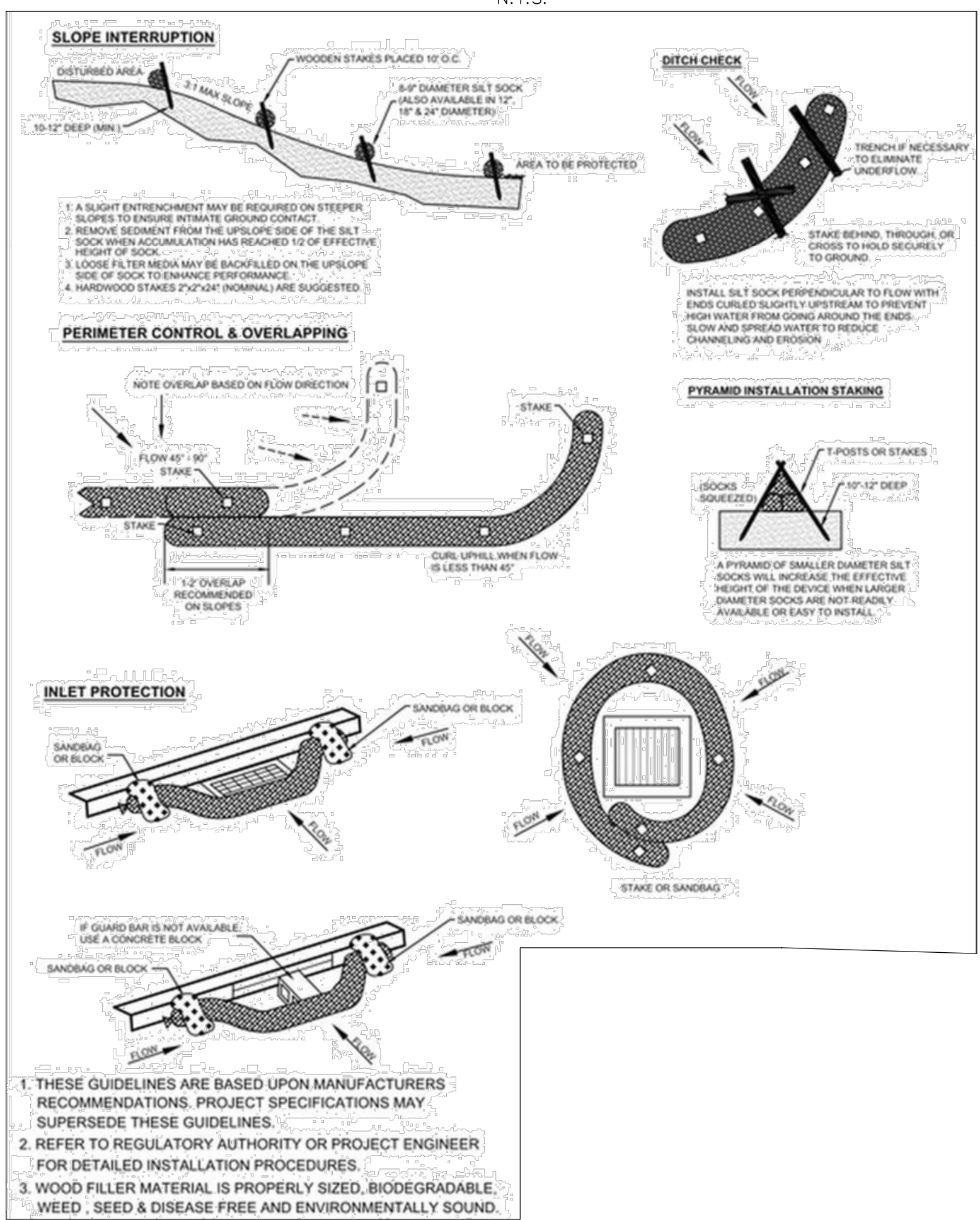
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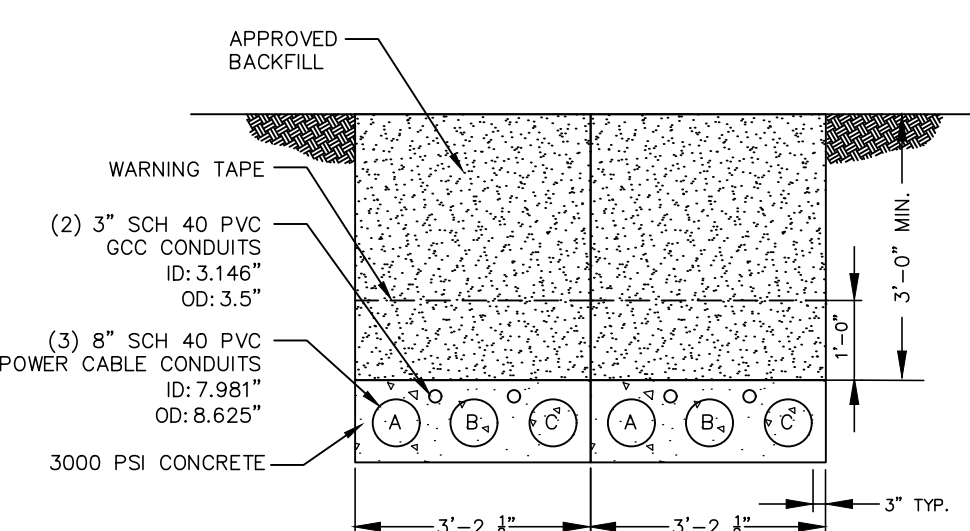
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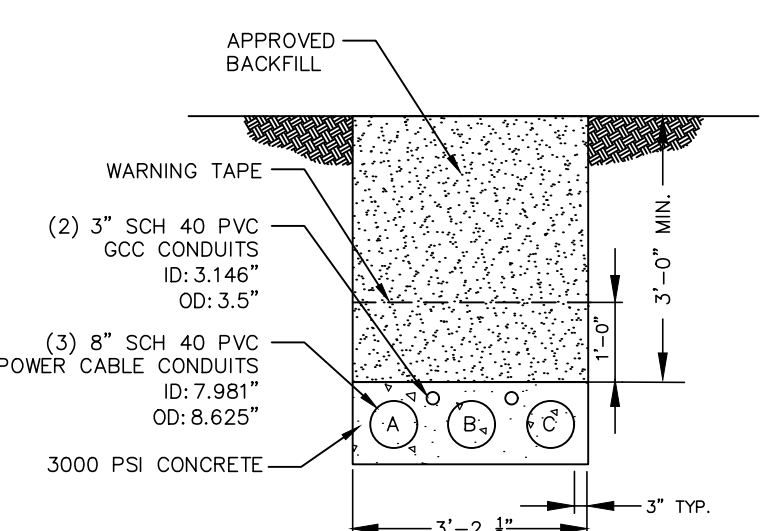
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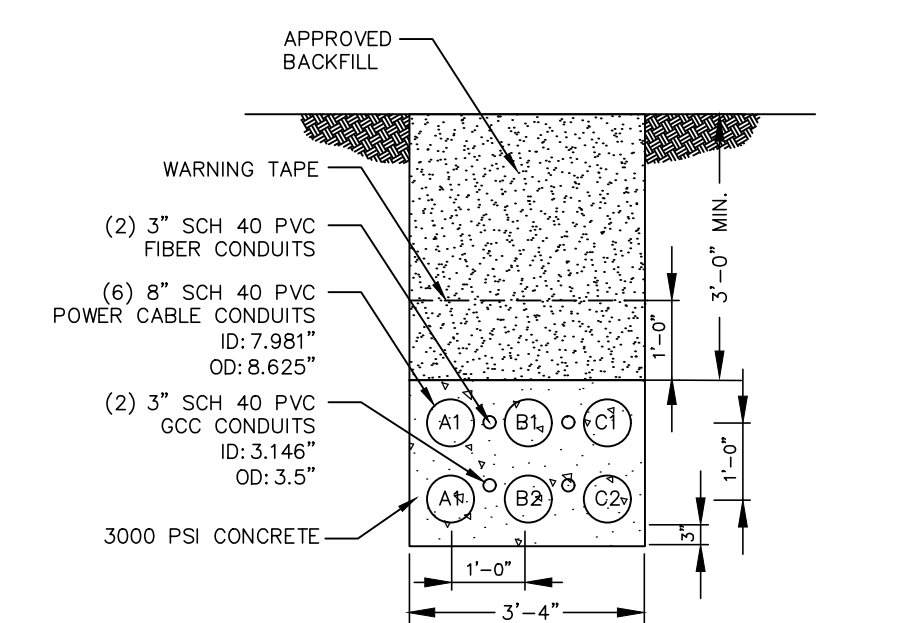
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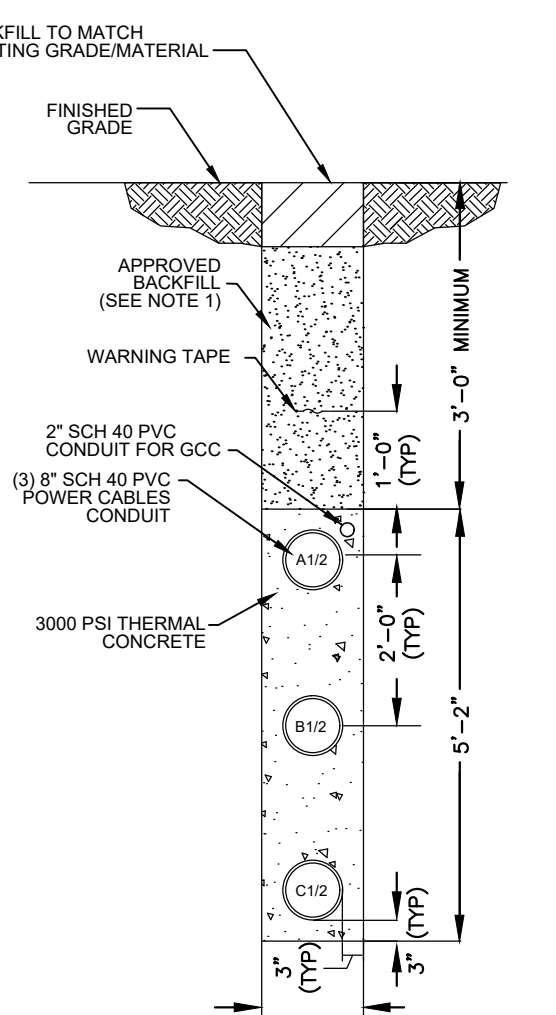
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N.T.S.



**1X3 CONCRETE ENCASED DUCT BANK CROSS SECTION**  
N.T.S.



**2X3 CONCRETE ENCASED DUCT BANK CROSS SECTION**  
N.T.S.



**1X1 DUCT BANK WITH 2\"/>**

no.	date	by	ckd	description
0	07/20/2022	AG	JS/KLH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JS/KLH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
2	1/05/2023	AG	JS/KLH	UPDATED ROUTE AND STATION AND RE-ISSUED FOR PERMIT REVIEW AND APPROVALS

**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
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PHONE: (973) 299-5200  
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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**DETAILS SHEET 1 TYPICAL DETAILS**

**OCEAN WIND OFFSHORE WIND PROJECT**

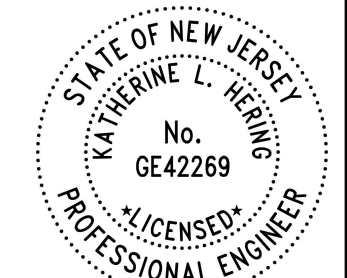
OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

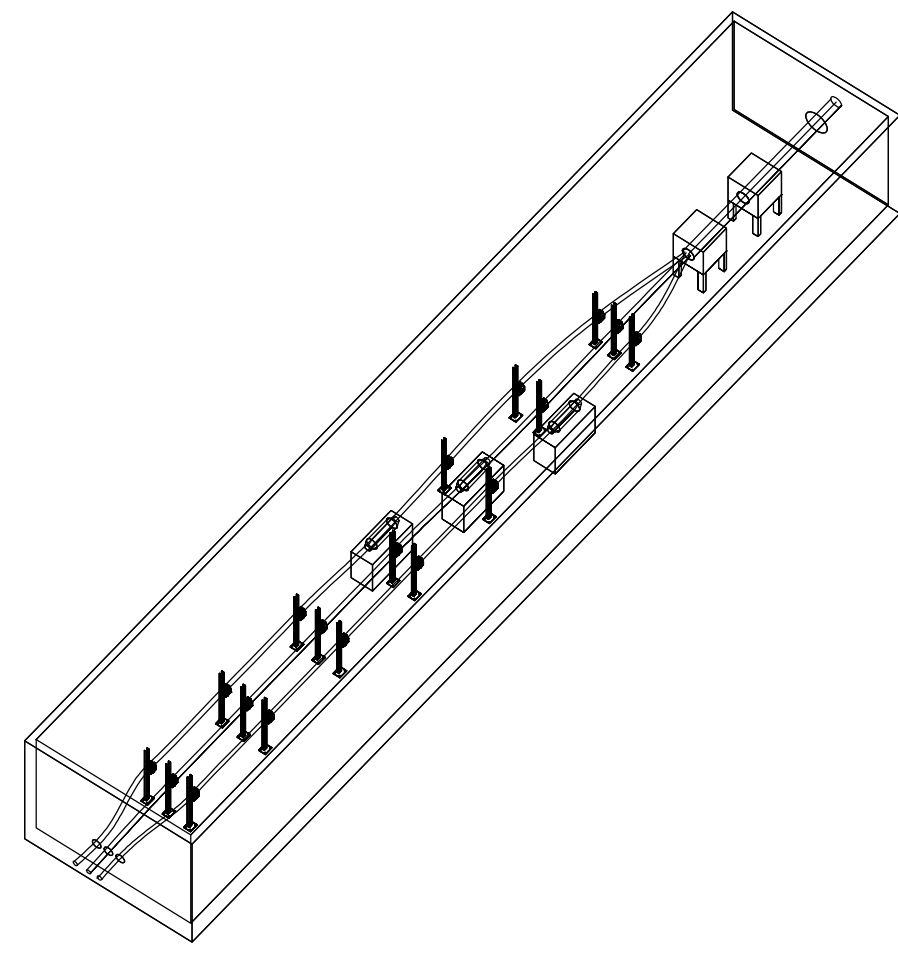
drawing **OL-OC020** - rev. **2**

sheet 20 of 22 sheets  
DERECO # 07748229

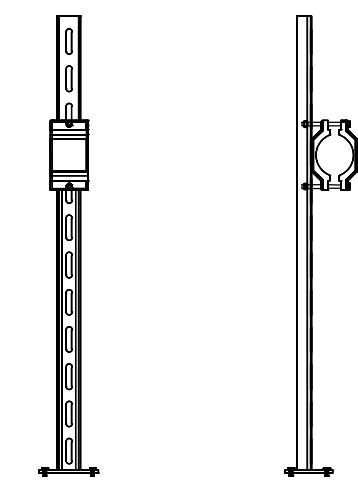
I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION



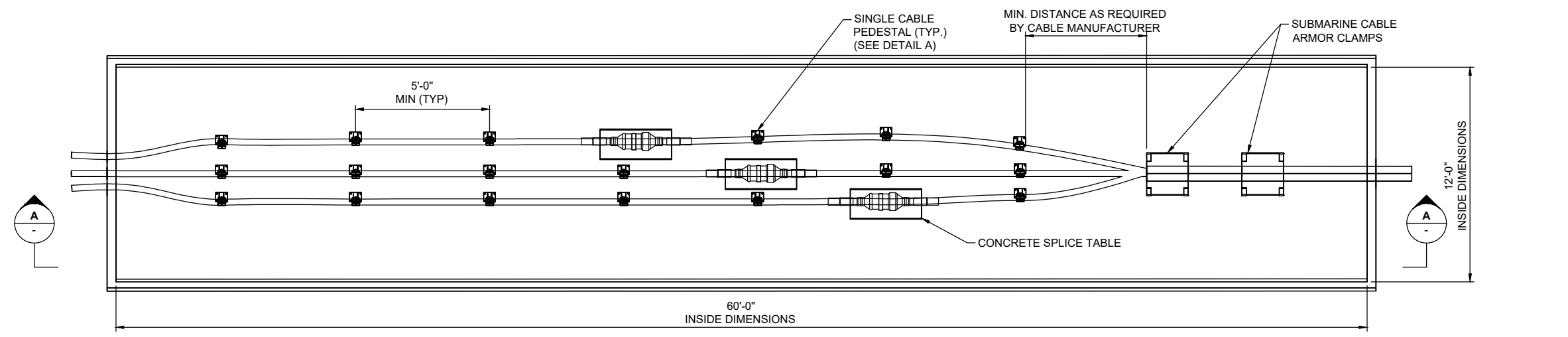
KATHERINE L. HERING, P.E. N.J. No. 24GE0422690  
LICENSED PROFESSIONAL ENGINEER



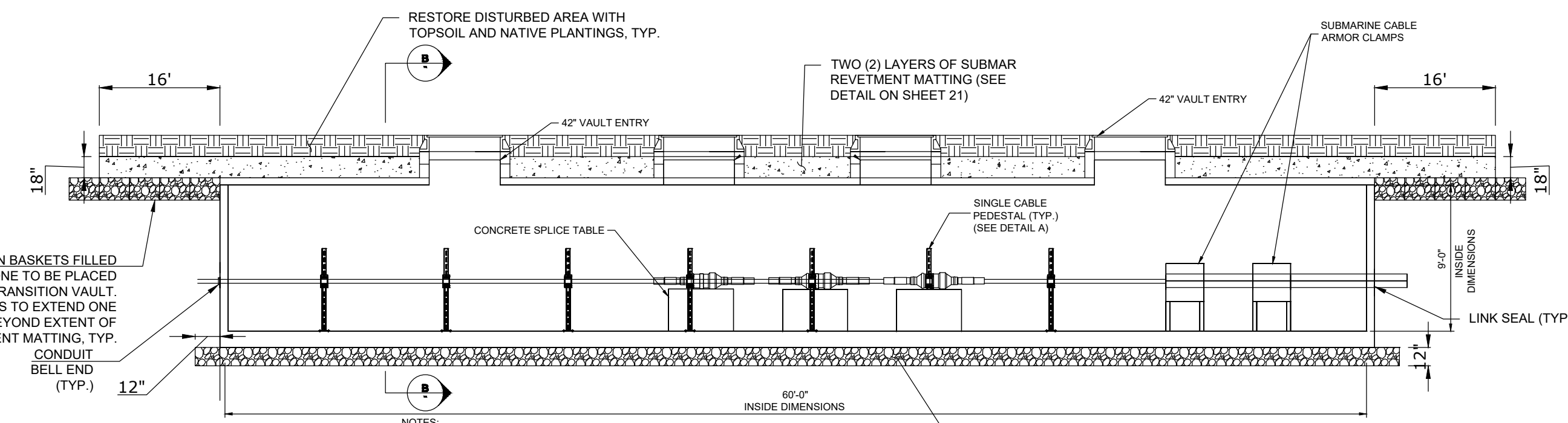
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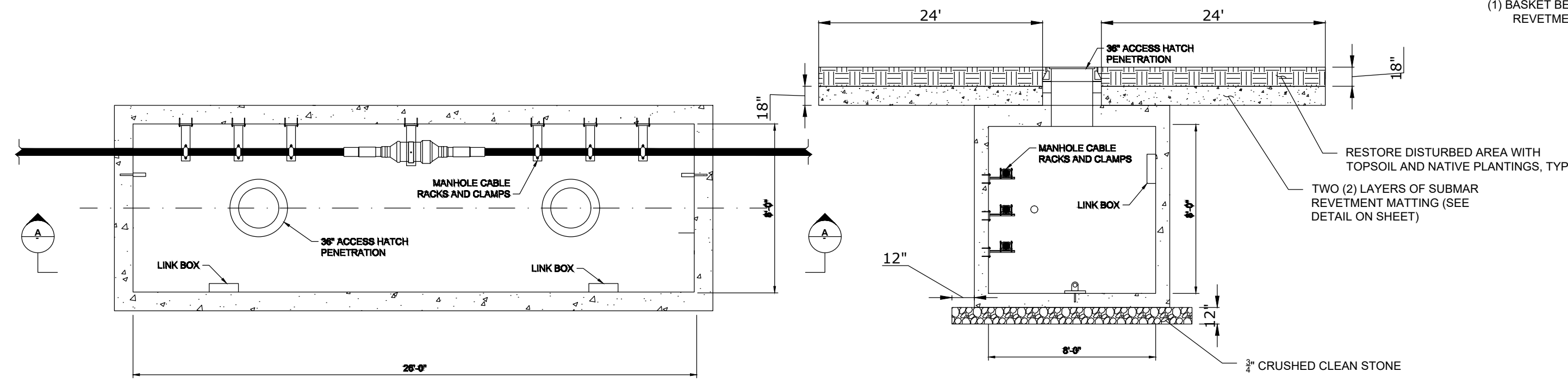
**HORIZONTAL CABLE SUPPORTS**  
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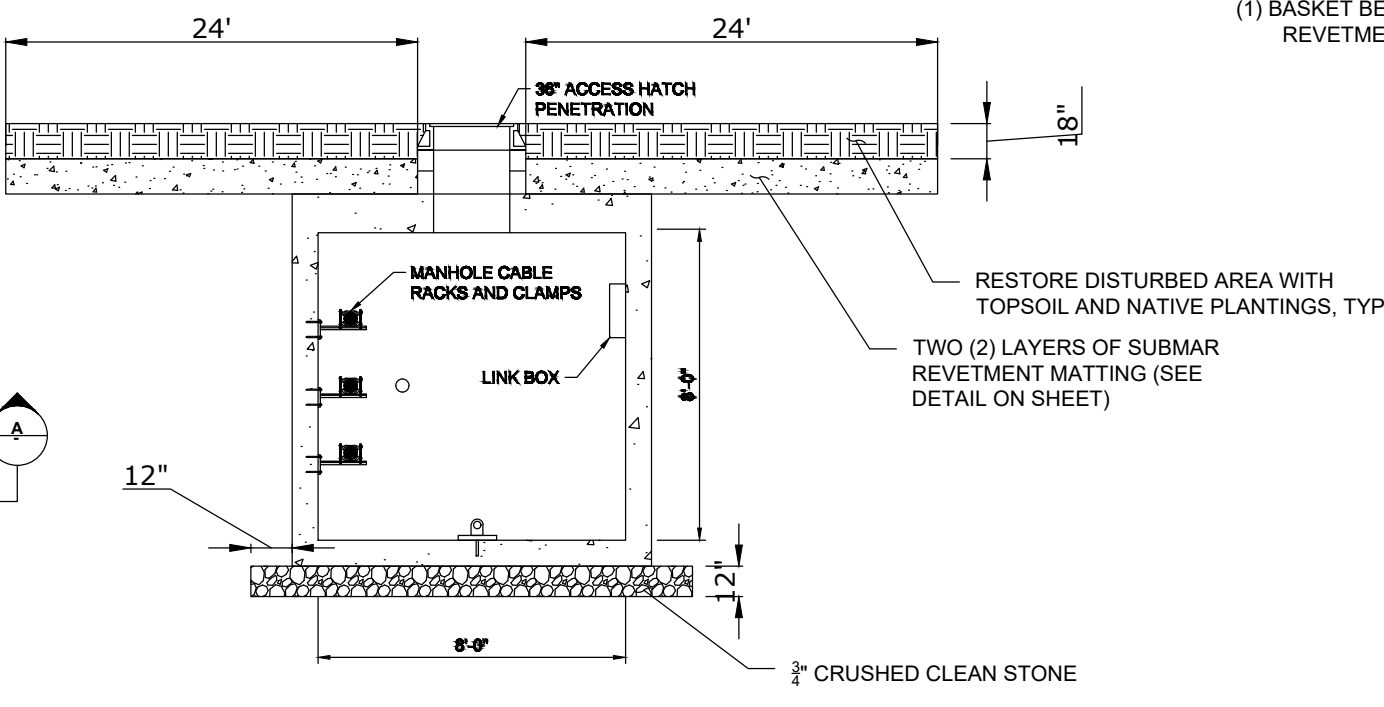
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**PLAN VIEW**  
N.T.S.



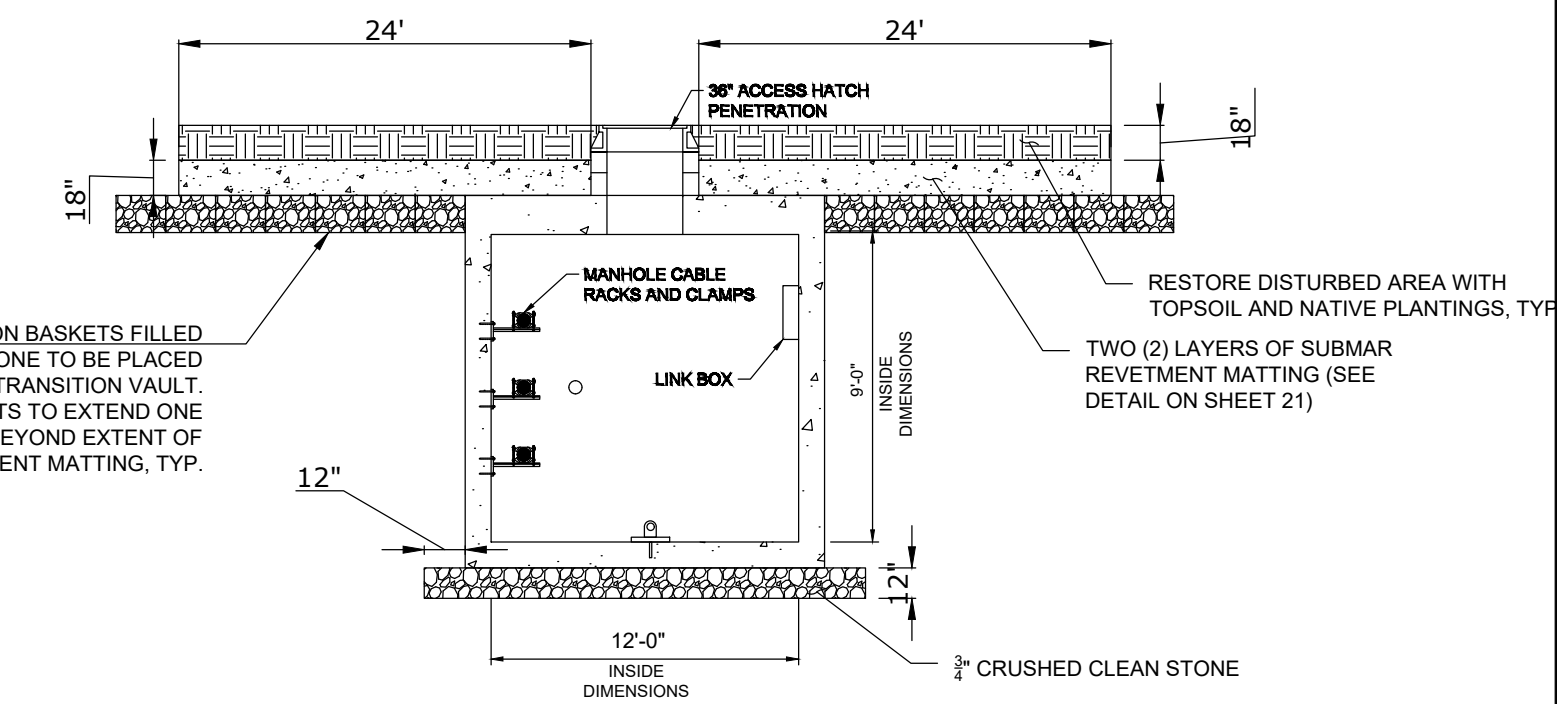
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**SECTION A-A**



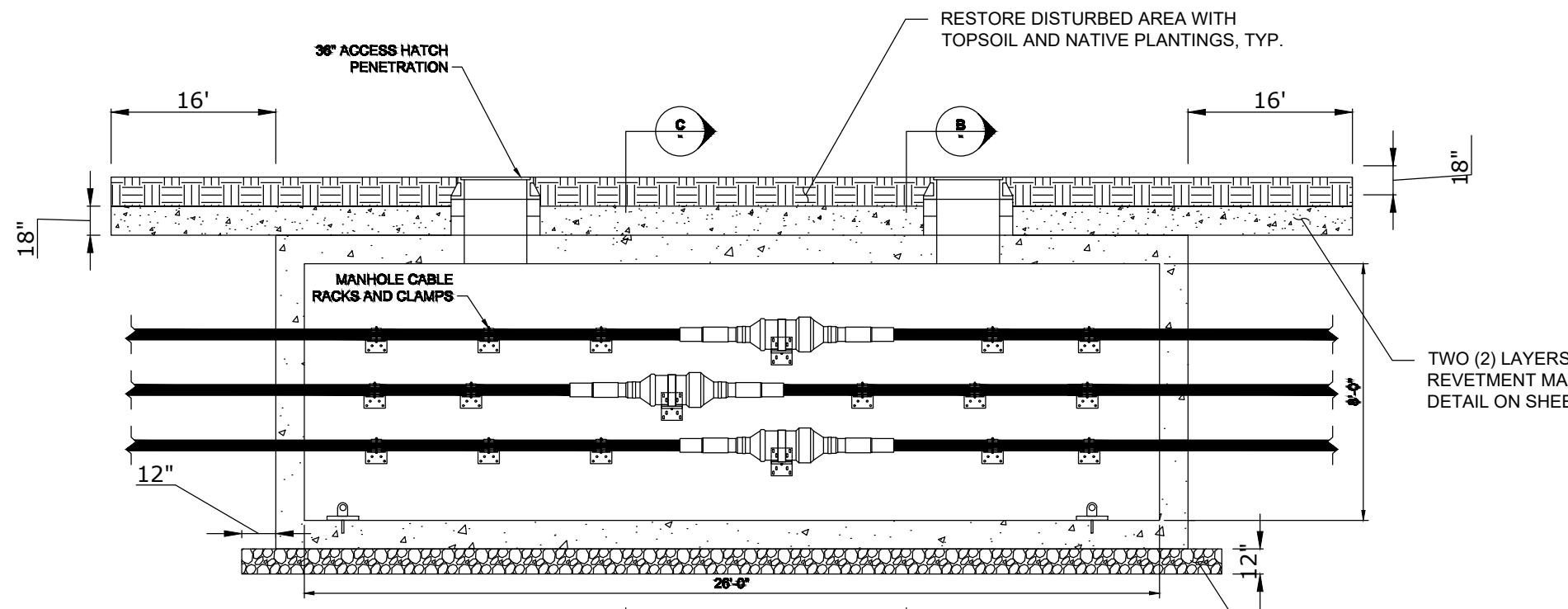
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**PLAN VIEW**  
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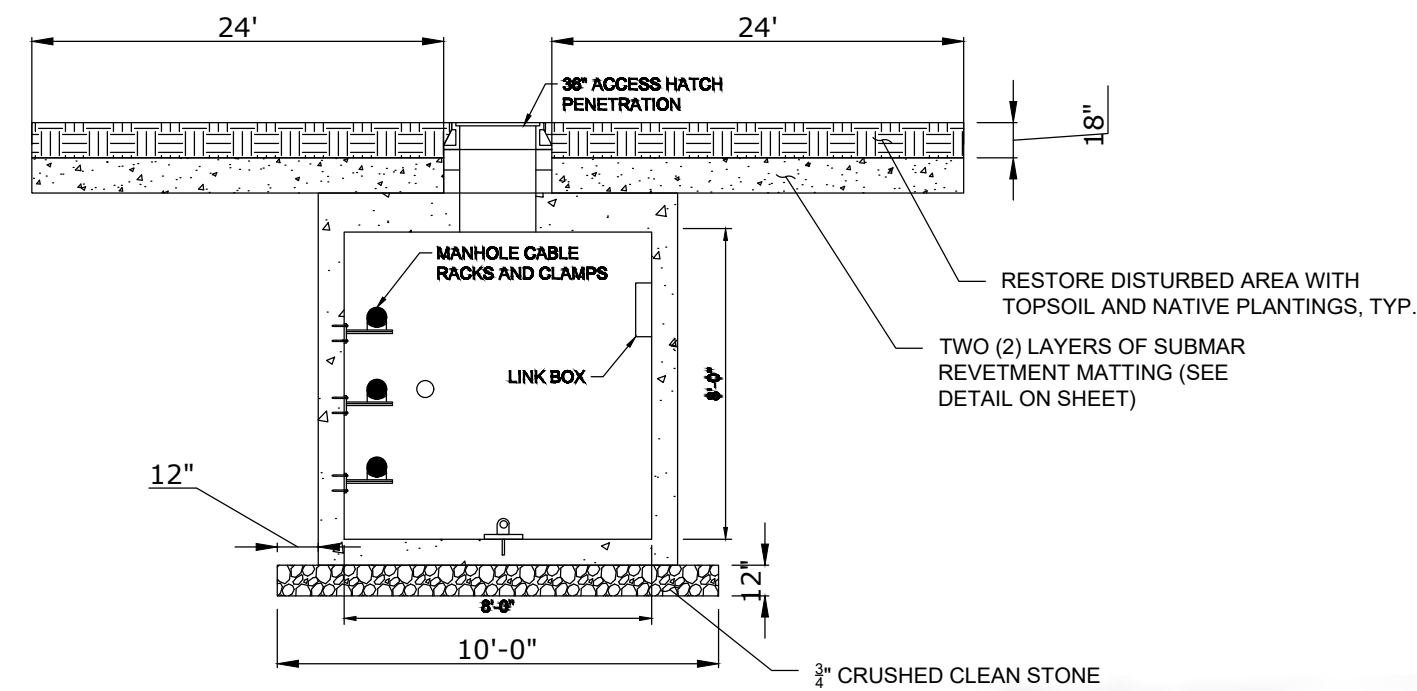
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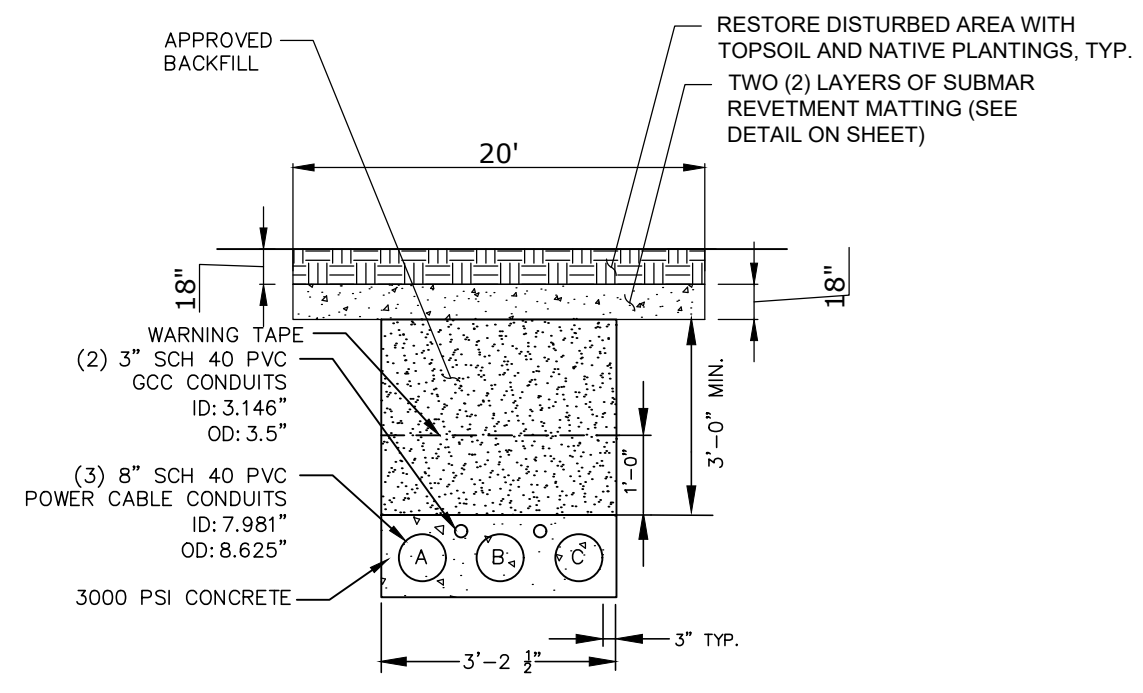
**TJB SCOUR PROTECTION DETAIL TRANSITION VAULT**  
**SECTION B-B**  
N.T.S.



**SPLICE VAULT RESTORATION DETAIL**  
**SECTION A-A**  
N.T.S.



**SPLICE VAULT RESTORATION DETAIL**  
**SECTION C-C**  
N.T.S.



**1X3 DUCT BANK CROSS SECTION RESTORATION DETAIL**  
N.T.S.

Doc#: SMD-090820WP

**SUBMAR**  
STANDARD 8.00' x 20.00'  
MAT DETAIL

**9" CONCRETE MATTRESS WITH PADS**

**SPECIFICATIONS**

MATTRESS TYPE: CONSTRUCTION  
MATTRESS DIMENSIONS: 8' x 20' x 9"  
MATTRESS WEIGHT: AIR 10,500 POUNDS  
MATTRESS WEIGHT SUBMERGED: 6,000 POUNDS (APPROX.)  
CONCRETE DENSITY: 145 LBS. PER CU. FT., 4,000 PSI  
180 ELEMENTS: 5/8" ULTRA VIOLET STABILIZED COPOLYMER EXTRUDED FIBER ROPE, MINIMUM TENSILE STRENGTH 9,500 POUNDS

Submar's Patented "Non-Shielding, Non-Abrasive" Pads were designed not to interfere with your cathodic protection system and to prevent damage to fusion bonded epoxy and other coated pipelines. Open areas will remain even when the pad is fully compressed. The pads are 78" x 78" square and are made of heavy duty 3/8" PVC.

1711 Dunn Street  
Hammock, FL 32906  
Ph: 888-488-0001  
Fax: 888-831-0108  
Email: submar@submar.com  
Website: www.submar.com

THESE CONCEPTUAL DRAWINGS ARE PREPARED BY SUBMAR FOR ESTIMATING PURPOSES ONLY AND ARE NOT CONSTRUCTION DRAWINGS. THESE CONCEPTUAL DRAWINGS MAY NOT BE COPIED, REPRODUCED, OR OTHERWISE USED WITHOUT THE WRITTEN PERMISSION OF SUBMAR, INC.

DATE: 7/27/22  
DESIGNED BY: MJP  
CHECKED BY: JMS  
SCALE: N.T.S.  
CONTRACT: P-21-03-26

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER

no.	date	by	ckd	description
0	07/20/2022	AG	JS/KLH	ISSUED FOR PERMIT REVIEW AND APPROVAL
1	11/14/2022	AG	JS/KLH	REVISED TO ADDRESS NJDEP DEFICIENCY COMMENTS
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**FOR PERMITTING APPROVAL**

**Ocean Wind 1**  
An Ørsted & PSEG project

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

**E 2 PROJECT MANAGEMENT LLC**

87 HIBERNIA AVENUE  
ROCKAWAY, N.J. 07866  
PHONE: (973) 299-5200  
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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**DETAILS SHEET 2**  
**HDD HARDSTAND AREA & SCOUR PROTECTION**

**OCEAN WIND OFFSHORE WIND PROJECT**

OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC021-** rev. **2**

sheet 21 of 22 sheets  
DERECO # 07748229

**DRAWING REFERENCES**

MAP ENTITLED "ALTANSPS LAND TITLE SURVEY, BLOCK 1001 LOT 4.05" PREPARED BY PSEG SERVICES CORPORATION SURVEYS & MAPPING, 80 PARK PLAZA T20, NEWARK, NJ, DATED FEBRUARY 25, 2022."

MAP ENTITLED " OFFSHORE WIND OYSTER CREEK- FARMLAND ROUTE EXISTING CONDITIONS" AS PREPARED BY PSEG SERVICES CORPORATION SURVEYS & MAPPING, 80 PARK PLAZA T20, NEWARK, NJ, DATED SEPTEMBER 30, 2021 AND REVISED THROUGH JANUARY 7, 2022."

MAP ENTITLED "ORSTED AND PUBLIC SERVICE ELECTRIC & GAS CO. OCEAN WIND PROJECT, ISLAND BEACH STATE PARK GREEN ACRES SURVEY", AS PREPARED BY FRALINGER ENGINEERING, 629 SHILOH PIKE, BRIDGETON, NJ 08302, DATED NOVEMBER 3, 2021.

SUPERSTORM SANDY APPROXIMATE OVERWASH AREA ARE DIGITIZED OVERWASH AREAS ARE GEO-REFERENCED BY E2PM JANUARY 2021 FROM GOOGLE EARTH POST-SUPERSTORM SANDY AERIAL IMAGERY FROM NOVEMBER 2012.

AERIAL TOPOGRAPHY PREPARED BY ROBINSON AERIAL SURVEYS INC. 1 EDGEVIEW DRIVE, HACKETTSTOWN, N.J. 07840 FROM 5.0 CM GROUND SAMPLING DISTANCE IMAGERY CAPTURED ON JUNE 18, 2021. IMAGERY WAS CAPTURED ON OCTOBER 2021 AT A SCALE OF 1:500 (1"=50') WITH A 1 FOOT PIXEL RESOLUTION, PROVIDED BY NEARMAP.

WETLANDS SHOWN HEREON WERE DELINEATED BY HDR JUNE 2019, MAY 2020 AND LOCATED BY NJ LICENSED LAND SURVEYOR GEOD CORPORATION, WETLAND AND WATERCOURSE EXTENTS CONFIRMED BY NJDEP WITH SITE VERIFICATION NOVEMBER 2021. ADDITIONAL WETLANDS WITHIN PROPOSED ONSHORE CONSTRUCTION AREA CONFIRMED IN VALID NJDEP LETTER ON INTERPRETATION ISSUED AUGUST 15, 2017 (FILE NO. 1512-17-0013.1). SHAPEFILES PROVIDED BY HDR JANUARY 10, 2022 & APRIL 11, 2022.

1970 MAPPED COASTAL WETLANDS WERE DIGITIZED BY HDR NOVEMBER 2021 BASED ON THE 1970 WETLANDS BASEMAPS (BLACK AND WHITE) THAT HAVE BEEN SCANNED AND GEO-REFERENCED BY THE NJDEP USING THE NJDEP TIDELANDS GRID VECTOR DATA LAYER AND MADE AVAILABLE THROUGH THE NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS).

SHELLFISH HABITAT DEPICTED HEREIN IS BASED UPON NJDEP MAPPING OF MODERATE AND HIGH DENSITY/COMMERCIAL VALUE AREAS OF BARNEGAT BAY AVAILABLE THROUGH THE NJDEP LAND RESOURCES PROTECTION WEBSITE. SOURCES INCLUDE DISTRIBUTION OF SHELLFISH RESOURCES IN RELATION TO THE NEW JERSEY INTRACOASTAL WATERWAY (U.S. DEPARTMENT OF THE INTERIOR, 1963) AND/OR "INVENTORY OF NEW JERSEY'S ESTUARINE SHELLFISH RESOURCES" (DIVISION OF FISH, GAME AND WILDLIFE, BUREAU OF SHELLFISHERIES, 1983-PRESENT). DATA DIGITIZED IN GIS BY HDR, 2019.

BEACHES AND DUNES DEPICTED HEREIN ARE SOURCED FROM THE NJDEP LAND USE/LAND COVER 2015 DATASET PUBLISHED IN 2019 AND DOWNLOADED FROM BY HDR IN NOVEMBER 2021 FROM THE NJDEP BUREAU OF GIS.

TIDELANDS CLAIM AREAS DEPICTED HEREIN ARE SOURCED FROM THE NJDEP BUREAU OF TIDELANDS MANAGEMENT AND DOWNLOADED FROM THE NJDEP BUREAU OF GIS BY HDR IN NOVEMBER 2021. EXISTING TIDELANDS INSTRUMENTS WERE OBTAINED FROM THE BUREAU OF TIDELANDS FROM CONVEYANCE MAPS AND DIGITIZED IN GIS VIA GEOREFERENCING BY PSEG 2021.

WOODY VEGETATION DATASET PROVIDED BY HDR IN DECEMBER 2022.

FLOOD HAZARD AREA AND FLOODWAY LIMITS WERE OBTAINED FROM THE BELOW FEMA MAP REFERENCES

**FEMA REFERENCES**

Location	Map			NJDEP Delineated Map
	Type	Number	Map Date	
Lacey Township, Ocean County, NJ; Starting at Block 1001 4.05 to the NJ Route 9 crossing over the Oyster Creek	Preliminary Map	34029C0412G	3/28/2014	None
Lacey Township, Ocean County, NJ; Starting at NJ Route 9 crossing over the Oyster Creek to the eastern end of Block 100 Lot 1.05	Preliminary Map	34029C0404G	3/28/2014	None
Lacey Township, Ocean County, NJ; Starting at the eastern end of Block 100 Lot 1.05 to the eastern end of Block 100 Lot 1.06	Preliminary Map	34029C0408G	3/28/2014	None
Lacey Township, Ocean County, NJ; Starting at the eastern end of Block 100 Lot 1.06 to the Barnegat Bay	Preliminary Map	34029C0416G	1/30/2015	None

PROPOSED LIMITS OF DISTURBANCE FOR HDD ACCESS AND LAYDOWN AREAS PROVIDED BY HDR.

PROPOSED ALIGNMENT AND PERMANENT AND TEMPORARY EASEMENTS SHOWN PROVIDED BY OFFSHORE WIND LLC AND AMENDED WITH ELECTRONIC FILE PREPARED BY BURNS & MCDONNELL FOR LANOKA EXPORT ROUTE, REVISED DECEMBER 09, 2022.

PROPOSED STATION LAYOUT AND LAYDOWN AREAS PROVIDED IN PLAN ENTITLED "OCEAN WIND OFFSHORE WIND PROJECT ONSHORE SUBSTATION OYSTER CREEK LOCATION, LACY TWP. NJ 08758, 275/230KV SUBSTATION GENERAL ARRAGEMENT PLAN AS PREPARED BY BURNS & MCDONNELL 11 N. PARK PLACE, SUITE 330, MORRISTOWN, NJ 07960, DATED APRIL 18, 2022 REVISED THROUGH NOVEMBER 04, 2022.

PLAN UPDATED WITH ELECTRONIC FILE FOR LANOKA INTERCONNECTION ROUTE, REVISED NOVEMBER 15, 2022, AS PREPARED BY BURNS & MCDONNELL.

HDD PLAN AND PROFILE UPDATED WITH ELECTRONIC FILE FOR LANOKA ROUTE 9 HDD PROFILES, REVISED DECEMBER 09, 2022.

no.	date	by	ckd	description
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2	1/05/2023	AG	JS/KLH	UPDATED ROUTE AND STATION AND RE- ISSUED FOR PERMIT REVIEW AND APPROVALS

**FOR PERMITTING APPROVAL**



**N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200**

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date	7/20/22	detailed	APG
designed	JMS	checked	KLH/JMS

**REFERENCES**

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OYSTER CREEK LOCATION  
LACEY TWP, NJ 0875

project P-21-03-26

drawing **OL-OC022** - rev. **2**

sheet 22 of 22 sheets

DERECO # 07748229

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KATHERINE L. HERING, P.E. N.J. NO. 24GE04226900  
LICENSED PROFESSIONAL ENGINEER