EXHIBIT OW-1

BEFORE THE

NEW JERSEY BOARD OF PUBLIC UTILITIES

IN THE MATTER OF THE PETITION OF OCEAN WIND, LLC PURSUANT TO N.J.S.A. 48:3-87.1(f) FOR A DETERMINATION THAT EASEMENTS ACROSS GREEN ACRES-RESTRICTED PROPERTIES AND CONSENTS NEEDED FOR CERTAIN ENVIRONMENTAL PERMITS IN, AND WITH RESPECT TO, THE CITY OF OCEAN CITY NEW JERSEY ARE REASONABLY NECESSARY FOR THE CONSTRUCTION OR OPERATION OF THE OCEAN WIND 1 QUALIFIED OFFSHORE WIND PROJECT

Direct Testimony

of

Jason Kalwa

Re: Ocean Wind 1 Onshore Transmission and Interconnection Related Facilities to be Constructed and Installed in The City of Ocean City, Cape May County, New Jersey

Dated: February 2, 2022

I. INTRODUCTION AND BACKGROUND

Q. Please state your name and business address.

A. My name is Jason Kalwa. My business address is 80 Park Plaza, Newark, NJ 07101.

Q. By whom are you employed and in what capacity?

A. I am employed by PSEG based in Newark, New Jersey as a Director – Projects Onshore Technical. With the team of professionals reporting to me, I am responsible for managing the scope, schedule, and budget for the construction of the onshore transmission and interconnection related facilities associated with the Ocean Wind 1 Project, as well as other non-Project related responsibilities for PSEG.

Q. Please describe your professional experience and educational background.

A. I have been employed by PSEG since 2006 in various roles involving the construction and maintenance of transmission facilities. My educational background includes earning a Bachelor of Science degree in Computer Engineering from the New Jersey Institute of Technology, and a Master of Business Administration from Rutgers, The State University of New Jersey. My education, experience and qualifications are fully set forth in Appendix A to my testimony.

Q. Have you previously testified in Board of Public Utilities ("Board" or "BPU") proceedings?

A. No, I have not.

Q. What is the purpose of your testimony?

A. I am testifying on behalf of the petitioner, Ocean Wind, LLC ("Ocean Wind") in support of its petition seeking a determination that certain easements across Green Acres-restricted properties and municipal consents for New Jersey Department of Environmental Protection ("NJDEP") permits and any construction-related permit or permits in the City of Ocean City, New Jersey ("Ocean City" or "City") are reasonably necessary for the construction or operation of the Ocean Wind 1 Qualified Offshore Wind Project ("Ocean Wind 1 Project," the "Project," or the "Ocean Wind 1 QOWP."). More specifically, my testimony will describe the onshore export cable, onshore substation, and grid interconnection line, which comprise the onshore transmission and interconnection-related facilities (the "Facilities") to be constructed near, in, and through Ocean City as part of the Ocean Wind 1 Project. I will describe the development and construction of the Ocean Wind 1 Project Facilities in and through Ocean City, including the street opening permit necessary for such construction, and, where necessary, the engineering specifications for, the methods to be deployed in, as well as the proposed interconnection and operation of the Facilities along the Project Route, the selection of which will be discussed and explained by witness Pilar Patterson in her direct testimony filed in this proceeding as Exhibit OW-2.

Q. Can you explain PSEG's involvement in and with Ocean Wind 1 Project?

A. Yes. PSEG Renewable Generation, LLC owns a 25% equity interest in Ocean Wind, LLC, which is developing the Ocean Wind 1 Project. For the Ocean Wind 1 QOWP, PSEG will use its substantial experience in constructing and operating transmission infrastructure throughout New Jersey, to lead the development, permitting and

construction of the onshore portions of the Ocean Wind 1 Project's onshore transmission and interconnection-related facilities, including the Facilities. PSEG is a diversified energy company, with operations primarily in the Northeastern and Mid-Atlantic regions of the United States.

Q. Can you elaborate briefly on your specific role on the Ocean Wind 1 Project?

A. Yes. As I indicated above, I am the onshore substations and export cables lead for the Project. In that capacity, I manage the scope, schedule, and budget for the Facilities. These responsibilities entail managing a team of professionals comprised of Project Managers, Project Engineers, and Project Controls (cost and schedule) staff that assist me in carrying out those responsibilities. More specifically, these responsibilities include overseeing the ongoing engineering and construction of the Facilities and providing support to our permitting groups who ensure that the permits associated with my areas of responsibility and that are reasonably necessary for the Project are timely obtained to allow for the commencement and completion of construction and operation of, in this case, the Facilities, which are necessary for the operation of the Project.

II. OVERVIEW OF THE ONSHORE FACILITIES.

Q. Please generally describe the onshore Facilities required by the Ocean Wind 1 Project.

A. Generally speaking, the Ocean Wind 1 Project, which is a 1,100 MW offshore wind farm that will generate electricity for delivery to the PJM grid, will require electrical facilities onshore to transmit the offshore wind farm's generation to an onshore point of interconnection with the electrical grid. In the case of the Ocean Wind 1

Project, that will require electric transmission export cables (sometimes also referred to as generator leads, comprised of an offshore undersea section and an onshore underground section), that together will create a circuit that will transmit electrical output from the offshore wind farm substation to the onshore substation, and then from the onshore substation to the PJM grid connection point. The undersea section of the export cables will come ashore in Ocean City, from which point the onshore section of the export cables will run underground under public streets and roads in Ocean City, as well as under and through other portions of Ocean City for which easements will be required. In this case, the onshore export cables will connect to a substation, comprised of switchgear and transformers, which, in turn, will interconnect to the PJM grid.

Q. What is meant by the PJM grid?

A. PJM Interconnection, L.L.C. ("PJM") is a regional transmission organization that coordinates the movement of wholesale electricity, including the interconnection of generators (such as the Ocean Wind 1 Project) to the electric grid, in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia. Since 2018, Ocean Wind has been engaged with PJM regarding the interconnection requests for the Project.

III. <u>FACILITIES' DETAIL</u>

Q. Please provide a more detailed description of the components of the Facilities mentioned in your general description, beginning with the cable.

A. For purposes of the Project's PJM grid connection through Ocean City, the transmission export cables, or generator lead, will connect the wind farm's offshore substation to the Project's onshore substation in Upper Township. From there, a grid interconnection line, also sometimes referred to as a generator lead, will connect the Project's onshore substation to the onshore point of interconnection, delivering the electricity from the offshore wind farm to the PJM grid. The onshore section of the export cables is currently planned to be comprised of buried cable, while the grid interconnection line, which only exists in Upper Township (and is not at issue in this Petition), is comprised of both buried cable and overhead lines. The overhead portion of the grid interconnection line is relatively short and located directly adjacent to Atlantic City Electric's B.L. England Substation in Upper Township, New Jersey. All of the onshore export cable through Ocean City is expected to be situated underground.

Q. Will the cable be direct buried or installed in conduit?

A. The onshore export cables construction is expected to be a configuration of duct banks to help to ensure that the onshore cables and conduits are appropriately situated within existing road right-of-ways as much as feasible and, to the extent possible, to minimize disturbance using conventional construction activities utilizing standard traffic management arrangements. At the planned landfall at 35th St. in Ocean City and the crossing of Crook Horn Creek near Roosevelt Boulevard, it is planned that the onshore export cables will also be underground in conduit (but not in duct banks) using trenchless underground construction techniques. At these two areas and as the cables traverse the properties near the onshore substation, the

cable is not planned to be within existing road right-of-ways, but is planned to be underground.

Q. Please describe the dimensions of the conduit/duct work.

A. The onshore export cable duct bank, which is a reinforced concrete container that will house the three conduits containing the export cables (one cable per conduit), is expected to be about 4 feet wide and buried with a target burial depth of 3 feet. Please see Appendix B for a representative cross section of the duct bank design. Please note, however, that the design is not yet finalized but is expected to be similar to what is shown. The grid interconnection duct bank may have additional conduits as 6 cables may be needed for that circuit. The duct bank serves as a form of further protection for the conduit and the cable contained within the conduit. There will also be accessible splice vaults installed along the export cables route to facilitate the splicing (or joining) of cable sections. The splice vaults will also be buried underground with only the access lids (or manhole covers) visible from the surface. At the Crook Horn Creek crossing near Roosevelt Boulevard, it is anticipated that trenchless underground techniques will also be utilized for installing and routing the onshore the export cables.

Q. Please describe and explain the voltage and size of the cables to be utilized.

A. The voltage of the onshore export cables is expected to be 275 kV with each of the three terrestrial cables expected to be about 6 inches in diameter. The cable themselves are insulated. The landfall export cable voltage is also expected to be 275 kV, with an overall diameter of about 15 inches since the landfall export cables are bundled together as opposed to being separated as is the case for the onshore

export cables. The landfall export cables are also insulated and are designed for a marine environment. The grid interconnection circuit is expected to be 138 kV and, as discussed above, a portion of it is planned to be overhead with the remaining portion expected to be underground. The overhead portion is expected to be about 100 feet long while the underground portion is about 1000 feet long. For the underground portion, each of the potentially six terrestrial cables is expected to be about 6 inches in diameter and these cables are also insulated. For the overhead portion each of the wires is expected to be less than 3 inches in diameter per wire.

Q. Please describe the substation.

A. The onshore substation is planned as a 275 kV-138 kV substation comprised of various pieces of equipment, all of which will be designed to provide the required functionality to achieve local grid code compliance. I want to note that the onshore substation is not located in Ocean City and is not part of this Petition; however, I am providing details of the substation as part of the overall description of the onshore cable route.

Q. Please generally describe the equipment associated with the substation.

A. The substation, which will transform the voltage of the electricity from the wind farm's offshore substation to the voltage compatible with the grid interconnection line to which it interconnects, will be comprised of various pieces of equipment typically associated with any substation, such as transformers, circuit breakers, and switchgear. The substation is also planned to include harmonic filters, reactors, and, potentially, if necessary, a static synchronous compensator or "STATCOM," which is used for voltage regulation.

Q. Where will the onshore substation be situated?

A. The onshore substation will be located in Upper Township, New Jersey. No permits or approvals or consents are necessary from Ocean City with respect to the onshore substation.

Q. Please describe the point of interconnection and the purpose of it.

A. The point of interconnection is at the existing Atlantic City Electric Company ("ACE") B.L. England substation, to which the Project's new onshore substation, to be located in Upper Township, New Jersey, will connect.

Q. Has the Ocean Wind 1 Project procured any of these Facilities as of this time? If so, please describe what has been procured. If not, please explain the anticipated timeline, and process, for procuring the Facilities.

A. Consistent with the Project planning timeline, contracts are expected to be executed in early 2022 for the procurement of the Facilities I have described. This will support the planned construction schedule.

IV. CONSTRUCTION PLAN AND PERMITTING

Q. Please describe and explain the planned onshore route and/or location for the Facilities.

A. While Witness Patterson (in her direct testimony filed in this proceeding as Exhibit OW-2) will discuss the route selection process, I will describe and explain the selected route (referred to herein as the "Preferred Route") vis-à-vis the Facilities to be constructed, operated and maintained in support of the Ocean Wind 1 Project. Please reference Appendix C, which shows the Preferred Route and the planned

approximate location of the Facilities – the exact locations will be finalized as the design and construction progresses. The offshore export cables from the offshore substation, which is connected to the wind farm is planned, as I mentioned earlier, to come onshore at 35th St. in Ocean City and from there will be connected to the onshore export cables from where public road rights-of-way ("ROW") (in and through Ocean City) will be mainly used to get to the onshore substation in Upper Township, New Jersey. In those locations where the route of the export cables does not utilize public ROW, then, as discussed in Ms. Patterson's testimony, easement rights and/or other consent rights will be obtained in and through which the export cable route will proceed.

Q. Please discuss the engineering design features of the onshore routing and location of the Facilities.

A. In Ocean City, the export cables are planned to be underground cables, operated at 275 kV, and is mostly expected to be in a concrete-encased duct bank. As indicated above, at the Crook Horn Creek crossing and landfall, it is expected that the export cables will be in conduit most likely using a trenchless technology for the underground installation. The location is mainly expected to be within public roadways except at the landfall and Crook Horn Creek, and as the cables traverse near where the onshore substation is located.

Q. How will the Facilities to be located within Ocean City be constructed and installed?

A. The export cable construction will follow typical utility construction techniques. The duct bank portion will mostly involve creating a trench, installing the facilities, and

then back-filling and restoring the area (*e.g.*, paving). The duct bank installation will be performed using conventional construction equipment (e.g., hydraulic excavators, dump trucks, etc.). As indicated earlier, the Crook Horn Creek crossing and landfall is planned to utilize trenchless construction methods.

Q. Who will manage the construction of the Facilities?

A. My team and I are responsible for managing the construction of the Facilities on behalf of the Project utilizing a variety resources including construction contractors.

Q. Can you be more specific about the complement of contractors to be deployed?

A The plan is to use a variety of contractors that have experience in the construction of electrical facilities, utilizing local union labor.

Q. Please provide the anticipated time that will be needed to begin and complete the construction and installation within Ocean City.

A. The Project is anticipated to be complete with testing and energization, approximately 2 years after the start of construction. The associated onshore export cable installation is anticipated to be completed within that same time frame.

Q. Does Ocean Wind know at what point in the projected timeline for completion of the Project, will the construction and installation of the Facilities take place within Ocean City?

A. Yes. As indicated above, the Project is expected to take approximately 2 years to complete with the associated construction within Ocean City being completed within that time frame. Construction of the Project after all approvals and permits are secured is anticipated to begin in 2023. Construction work with respect to the

onshore export cables is anticipated is anticipated to be in an approximate range of from 1 to 2 years.

Q Are the construction and installation methods you describe consistent with applicable industry and other applicable standards? Please explain.

A. Yes, the methods I describe and that will be utilized are consistent with typical industry-wide underground transmission construction, and in New Jersey as well.

Q. Will the streets and roads within Ocean City be disturbed by the construction and installation of the Facilities? If so, how will they be restored after construction is complete?

A. Yes, to install the Facilities, a trench will need to be opened in the roadways for a period of time for the duct-bank and splice vaults to be installed. The areas where the trenchless techniques are planned (at the landing on 35th St. and Crook Horn Creek), longer duration closures are expected, but will be temporary to facilitate construction. After installation, the area will be restored (for instance, in roadways, the area will be paved). In addition, temporary lane and road closures are expected to facilitate and expedite safe and efficient construction of the Facilities.

Q. Will the streets and roadways that are disturbed be restored? How and when and to what standards?

A. Yes, as indicated above, the affected area of the roadways in Ocean City will be paved per standard specifications, which will be coordinated with Ocean City or Cape May County as applicable.

Q. Are there existing pipes, wires and cables in place under the streets and roads of Ocean City?

A. Yes. Gas, electric, water, sewer equipment and facilities are common beneath the roads and streets of not only Ocean City but all municipalities in the State of New Jersey.

Q. Do those facilities include the use of conduit and/or duct banks?

A. Yes.

Q. Can there be conflicts between these various uses within the same roads and streets and how are such conflicts managed or avoided?

A. In general, such conflicts can occur but are generally managed or avoided through cooperation and communication among the interested and affected parties.

Q. Does the Project have a plan for addressing, managing and avoiding such conflicts with respect to the Facilities to be located in Ocean City? If so, please describe it.

A. Yes, as the design progresses, as is typical with utility installations, investigations will be performed where necessary to verify the location of existing facilities. The Project will coordinate with the interested and affected parties to manage or avoid such conflicts, and come up with plans to deal with potential conflicts that arise during construction.

Q. Aside from the permits and approvals discussed in witness Pilar Patterson's direct testimony, are there any other permits required from Ocean City to construct, install and operate the Facilities?

A. Yes, for proposes of constructing and installing the onshore Facilities that will be located within the local Ocean City roadways, a street opening permit from Ocean City will be necessary.

Q. Has the Project applied for such permit?

A. Not as of yet. In general, the application of the actual street opening permit occurs relatively closer in time to the commencement of construction, which in this case with respect to the Facilities is expected to begin in 2023. However, the Project has consulted with and engaged in discussions and meetings as detailed in the testimony of Witness Madeline Urbish in her direct testimony filed in this proceeding as Exhibit OW-3, so that Ocean City is aware that construction in the public road ROW will be necessary for the Project.

Q. Are you aware of any technical, safety, or operational impediment to the installation of the Facilities in Ocean City?

A. No. We do not expect there to be any public safety or other safety issues or concerns or any technical or operational impediment, as construction of the Facilities involves standard regularly deployed utility-type construction similar to what already exists in Ocean City and throughout New Jersey. As is typical of such types of construction projects, the Project has already generally consulted with, and discussed its anticipated construction plans with Ocean City. The construction planning for the Facilities takes into account Ocean City's general construction requirements, including any fees. To the extent that Ocean City provides reasonable feedback regarding the Project's plans for constructing the Facilities, such feedback will also be taken into account. Construction plans for the Facilities are planned to be completed well in advance of the actual planned time for commencing construction, and the Project will submit plans or drawings to Ocean City as required.

V. <u>Operation and Maintenance of the Facilities</u>.

Q. Please describe the operation and maintenance of the Facilities to be situated within Ocean City.

A. The operation and maintenance to the facilities within Ocean City is expected to involve routine inspection of the facilities, which will involve, for example, workers entering the splice vaults through the access lids that will be visible on the roadway. This is typical of underground transmission maintenance in the industry and in New Jersey.

Q. Will the operation of the Facilities within Ocean City be obvious to the residents of the City?

A. No, the operation is expected to be similar to other underground utilities, in particular, other underground electric facilities within Ocean City. The underground configuration and operation of these Facilities is virtually invisible to local residents and passers-by. Only during periods of repair or replacement might there be any noticeable presence by inspectors, line workers, or other contractors.

Q. What is the anticipated frequency of maintenance activities on or with respect to the Facilities located within Ocean City?

A. For routine maintenance, it is expected inspections may occur a few times per year.

Q. On average, based on industry experience, what kinds of failures can be, and with what frequency are failures, anticipated to the types of Facilities to be located in Ocean City over the lifetime of the Project?

A. Failures on the cables themselves are not anticipated, but can occur and are most likely to occur at the splice points where cables are joined together. Failures can

also occur along the length of the cable. Overall, the risk of failures is expected to be minimal over the lifetime of the Project.

Q. What maintenance or repair work is likely to be required and how evident will such work be to the residents of Ocean City?

A. For cable repairs or where cable replacement may be required, most of the work is likely to take place near the splice vaults where the cable can be accessed, repaired and/or replaced as needed. In a scenario where the conduit may have been damaged, a spot excavation and repair may be needed along the route. Therefore, the work will likely be more localized to the area directly surrounding the splice vaults or spot repair and, therefore, would not be expected to have wide spread impacts to the residents of Ocean City.

Q Does the Project require an interconnection agreement in order to interconnect with the existing electric grid?

A Yes, as I discuss above, the Facilities will be connected to a substation to be located in Upper Township, New Jersey. That substation, in turn, will interconnect with the ACE transmission system. Therefore, a PJM Interconnection Agreement involving Ocean Wind, ACE and PJM is required.

Q. What is the status of that Interconnection Agreement?

A. It has been executed.

Q. At what voltage will the Ocean Wind onshore facilities interconnect with ACE's electric system?

A. 138 kV.

VI. CONCLUSION

Q. Can you please summarize your testimony?

A. Yes. I have summarized or described the onshore transmission and interconnection related Facilities associated with the Project. The Facilities through Ocean City will be constructed, operated and maintained similar to other underground utility and utility-like facilities in Ocean City and throughout New Jersey. Similar to other types of underground electric transmission line facilities, the construction of the Facilities will require a road opening permit from the Ocean City Engineering Department for the construction of the portion of the onshore cable route within and through the local Ocean City streets and roads.

Q. Does this conclude your direct testimony?

A. Yes, it does.

APPENDIX A

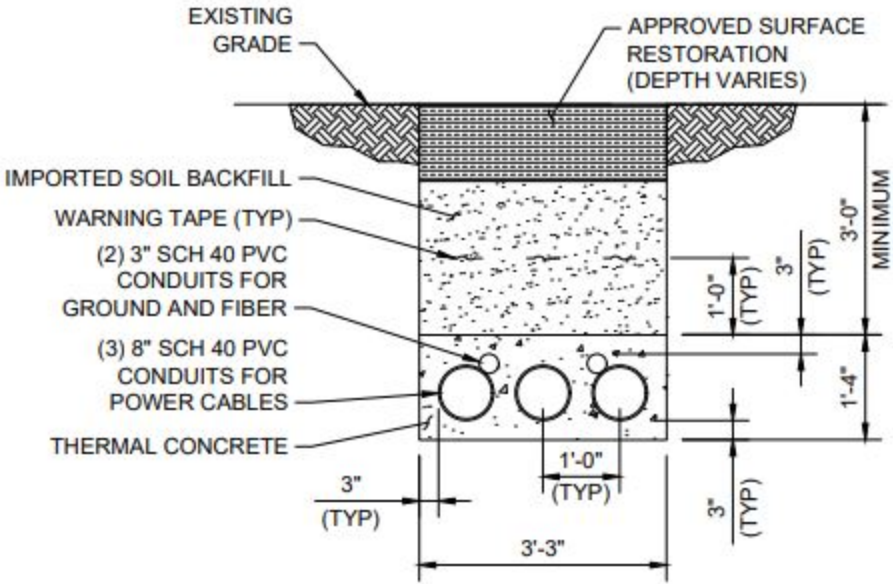
Experience and Qualifications of Jason Kalwa

I am the Director, Offshore Wind Department for PSEG Services, a subsidiary of PSEG. I have held this position since July 2021. My responsibilities include overseeing a team of project management, project engineering, and project controls personnel involved in the development and execution of the scope, schedule, and budget of portions of various offshore wind projects, including providing support for the execution of the Ocean Wind Project, due diligence on a potential investment in other offshore wind projects, as well as development of a bid PSEG submitted with Orsted proposing an expansion to the transmission system supporting offshore wind development in NJ. My support is specifically focused on the onshore aspects of the projects (e.g. onshore substation and onshore transmission lines). Prior to that, from January 2021 to July, 2021, I was Senior Project Manager, Offshore Wind Department in which position I also supported the execution of the Ocean Wind Project, due diligence on a potential investment in other offshore wind projects, as well as development of a bid PSEG submitted with Orsted proposing an expansion to the transmission system supporting offshore wind development in NJ.

Prior to January 2021, I was Senior Project Manager, in the Delivery Projects and Construction Department at Public Service Electric and Gas Company (PSE&G) a position I held since January 2017. In that position, I was responsible, among other things, for the execution of various electric transmission projects and support of offshore wind projects. Such projects included the installation of electric transmission lines (230kV and 345kV). Prior to that I have also held a variety of positions at PSE&G; namely, (i) Project Manager, Delivery Projects and Construction Department from March 2014 to January 2017, when I worked on various electric transmission projects (138kV, 230kV, 345kV, and 500kV) and co-lead the department's Summer internship program, (ii) Supervising Engineer, Delivery Projects and Construction Department

from December 2010 to March 2014, when I supported the execution of PSE&G's portfolio of projects within PJM Interconnection's Regional Transmission Expansion Plan (RTEP) and provided guidance to the department's engineers and staff engineers, (iii) Engineer, Electric Transmission Construction and Maintenance Department from May 2008 to December 2010, when, among other things, I acted in a construction management role for various electric transmission projects, such as the construction of new electric transmission lines as part of RTEP, to ensure their successful completion and supported the inspection and maintenance of existing electric transmission lines to guarantee the reliability of the PSE&G electric system; and (iv) Technical Intern, Electric Transmission Construction and Maintenance Department from June 2006 to May 2008 when I updated and maintained the records of PSE&G's transmission assets utilizing a geographic information system (GIS), and maintained an electronic database of the transmission line inspection records.

I have a Master of Business Administration from Rutgers University with a concentration in Strategy and Leadership, and a Bachelor of Science from New Jersey Institute of Technology: Albert Dorman Honors College, in Computer Engineering. I am a certified as a Project Management Professional (PMP), by the Project Management Institute (PMI).



ONSHORE TRANSMISSION SINGLE-CIRCUIT DUCT BANK SECTION

NOT TO SCALE

ATLANTIC COUNTY
CORBIN CITY
TUCKAHOE RIVER
FLAT CREEK
JOB CREEK
SOMERS POINT CITY
PROPOSED SUBSTATION
UPPER TOWNSHIP
CAPE MAY COUNTY
GREAT EGG HARBOR BAY
LITTLE EGG HARBOR CHANNEL
BEACH THOROFARE
OCEAN CITY
ATLANTIC OCEAN
PECK BAY
BEN ELDERS CREEK
UPLAND THOROFARE
GROUSE HORN CREEK
PROPOSED LANDING SITE

N
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NJSPCS
NAD 1983 (2011)

MAP OF NEW JERSEY
NEW YORK
PENNSYLVANIA
DELAWARE
DELAWARE BAY
ATLANTIC OCEAN
SUSSEX
PASSAIC
BERGEN
WARREN
MORRIS
ESSEX
HUDSON
HUNTERDON
SOMERSET
UNION
MIDDLESEX
MERCER
MONMOUTH
BURLINGTON
OCEAN
GLOUCESTER
CAMDEN
SALEM
ATLANTIC
CUMBERLAND
CAPE MAY
PROJECT AREA

LEGEND:

- APPROXIMATE PROJECT ROUTE
- MUNICIPAL LINE
- PROPOSED STATION BOUNDARY (REF. 6)
- PROPOSED EASEMENTS (REF. 6)
- SHEET LAYOUT (4)

800 600 400 200 0 200 400 600 800 1600 2400
SCALE: 1" = 800'

Ocean Wind
An Ørsted & PSEG project

NO	DATE	DESCRIPTION	DWN	CKD
3				
2				
1	01/10/22	UPDATED PROPOSED STATION & ROUTE	MP	MDR

REVISION

PSEG Services Corporation
SURVEYS & MAPPING
CORPORATE HEADQUARTERS
80 Park Plaza T6B
Newark, N.J. 07102-4194
Email: surveying@pseg.com

BEESLEY'S POINT UNDERGROUND ROUTE

MUNICIPAL EXHIBIT

DRAWN CCK | CHECKED BSG | SCALE AS SHOWN
DATE 11-2-2021 | EXAMINED MDR | AUTH Pr.I-19048

LEGEND

NOT ALL ITEMS ARE TO SCALE

- = APPROXIMATE PROJECT ROUTE
- = PROPOSED STATION PROPERTY BOUNDARY (REF. 6)
- = PROPOSED EASEMENTS (REF. 6)
- = MUNICIPAL LINE
- 48 = TAX BLOCK LINE & NUMBER
- 25 = TAX LOT LINE & NUMBER
- = UTILITY EASEMENTS

NOTES:

1. MAPPING IS BASED ON THE NJ STATE PLANE COORDINATE SYSTEM. HORIZONTAL DATUM = NAD-83(2011) UNITS = U.S. FOOT
2. THESE PLANS ARE FOR DISPLAY PURPOSES ONLY AND NOT INTENDED FOR CONSTRUCTION.

REFERENCES:

1. RIGHT OF WAY INFORMATION BASED ON SURVEYS PREPARED THROUGH AUGUST 24, 2021, BY FRALINGER ENGINEERING, BRIDGETON, NJ.
2. NEW JERSEY STATE ORTHOPHOTOGRAPHY WAS CAPTURED IN APRIL AND MAY 2015, AND PRODUCED AT A SCALE OF 1:2400 (1" = 200') WITH A 1 FOOT PIXEL RESOLUTION. PROVIDED BY NJ OFFICE OF INFORMATION TECHNOLOGY (NJOIT), OFFICE OF GEOGRAPHIC INFORMATION.
3. TOWNSHIP OF UPPER TAX MAP SHEETS 27.01, 27.02, 27.03, 27.04, 27, 28.01, 28.02, 28.03, 28.04, 28 & 29.
4. OCEAN CITY TAX MAP SHEETS 2, 27, 28, 33, 34, 35 & 335.
5. BL ENGLAND PLAN ENTITLED "BOUNDARY SURVEY PLAN, BLOCK 479, LOT 76, 76.01 AND BLOCK 681, LOT 81, 900 NORTH SHORE ROAD, TOWNSHIP OF UPPER, COUNTY OF CAPE MAY – SATE OF NEW JERSEY, PREPARED BY SHAHEED A. SMITH GEOSPATIAL LLC, ONE GATEWAY CENTER, SUITE 2600–525 NEWARK, NJ 07102." LAST REVISED 10-28-21.
6. OPTION AGREEMENT TO PURCHASE BETWEEN RC CAPE MAY HOLDINGS, LLC AND OCEAN WIND LLC DATED AS OF JANUARY 31, 2020

0
200 150 100 50 100 200 400 600

SCALE: 1" = 200'

Ocean Wind
An Ørsted & PSEG project

NO	DATE	DESCRIPTION	DWN	CKD
3				
2				
1	01/10/22	UPDATED PROPOSED STATION & ROUTE	MP	MDR

REVISION

PSEG Services Corporation
SURVEYS & MAPPING
CORPORATE HEADQUARTERS
80 Park Plaza T6B
Newark, N.J. 07102-4194
Email : surveying@pseg.com

B.L. ENGLAND SUBSTATION & ONSHORE ROUTING

UPPER TWP — CAPE MAY CO., N.J.

MUNICIPAL EXHIBIT

DRAWN CCK — CHECKED BSG — SCALE AS SHOWN
DATE 11-2-2021 — EXAMINED MDR — AUTH Prj-19048

LEGEND *NOT ALL ITEMS ARE TO SCALE*

- = APPROXIMATE PROJECT ROUTE
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4. OCEAN CITY TAX MAP SHEETS 2, 27, 28, 33, 34, 35 & 335.
5. BL ENGLAND PLAN ENTITLED "BOUNDARY SURVEY PLAN, BLOCK 479, LOT 76, 76.01 AND BLOCK 661, LOT 81, 900 NORTH SHORE ROAD, TOWNSHIP OF UPPER, COUNTY OF CAPE MAY – SATE OF NEW JERSEY, PREPARED BY SHAHEED A. SMITH GEOSPATIAL LLC, ONE GATEWAY CENTER, SUITE 2600-525 NEWARK, NJ 07102." LAST REVISED 10-29-21.
6. OPTION AGREEMENT TO PURCHASE BETWEEN RC CAPE MAY HOLDINGS, LLC AND OCEAN WIND LLC DATED AS OF JANUARY 31, 2020

200 150 100 50 0 100 200 400 600

SCALE: 1" = 200'

Ocean Wind
An Ørsted & PSEG project

NO	DATE	DESCRIPTION	DWN	CKD
3				
2				
1	01/10/22	UPDATED PROPOSED STATION & ROUTE	MP	MDR

REVISION

PSEG Services Corporation
SURVEYS & MAPPING
CORPORATE HEADQUARTERS
80 Park Plaza T6B
Newark, N.J. 07102-4194
Email : surveying@pseg.com

B.L. ENGLAND SUBSTATION & ONSHORE ROUTING

UPPER TWP — CAPE MAY CO., N.J.

MUNICIPAL EXHIBIT

DRAWN CCK | CHECKED BSG | SCALE AS SHOWN
DATE 11-2-2021 | EXAMINED MDR | AUTH Pr.I-19048

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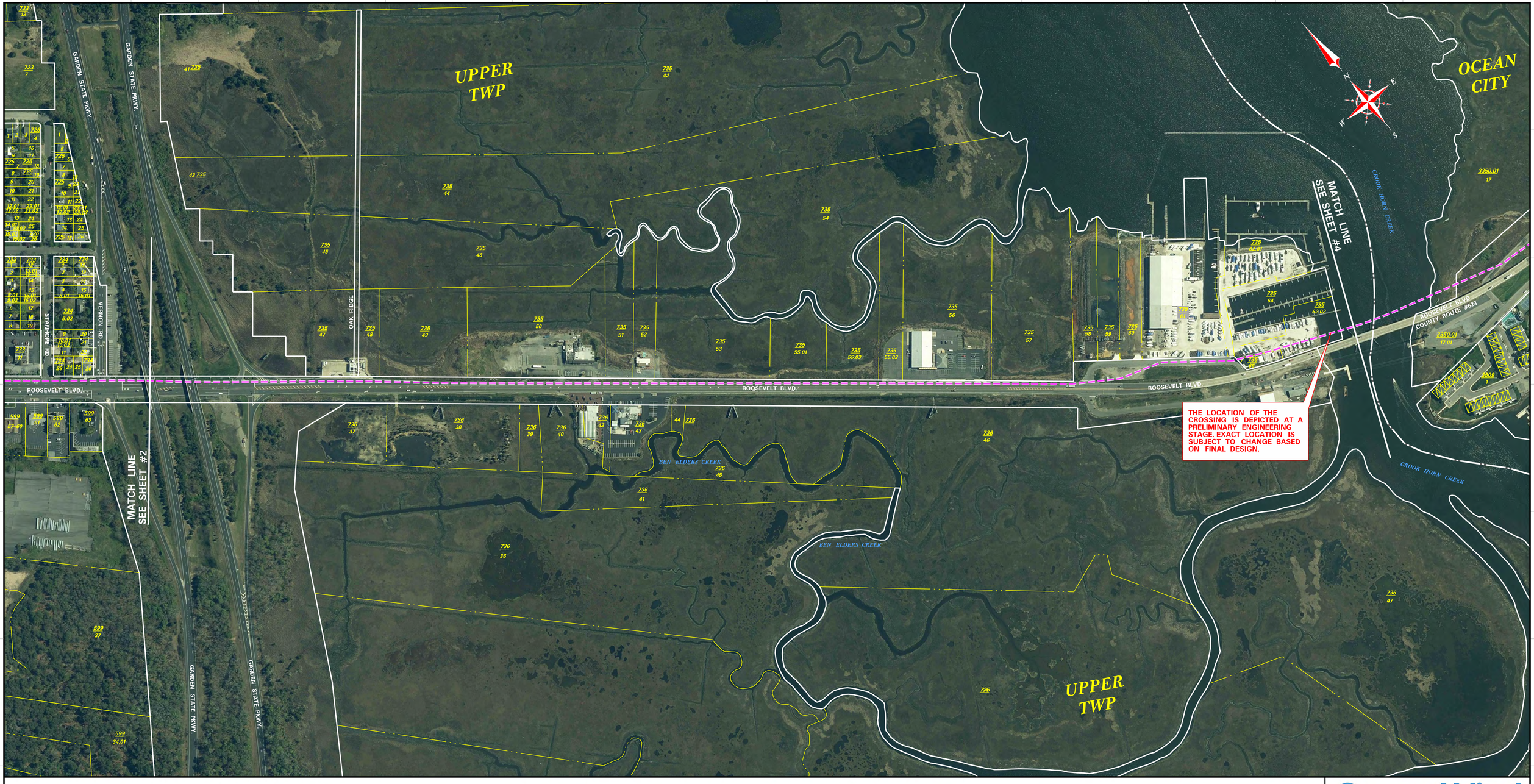

LEGEND *NOT ALL ITEMS ARE TO SCALE*

- = APPROXIMATE PROJECT ROUTE
- = PROPOSED STATION PROPERTY BOUNDARY (REF.6)
- = PROPOSED EASEMENTS (REF.6)
- = MUNICIPAL LINE
- 48 = TAX BLOCK LINE & NUMBER
- 25 = TAX LOT LINE & NUMBER
- = UTILITY EASEMENTS

NOTES:

1. MAPPING IS BASED ON THE NJ STATE PLANE COORDINATE SYSTEM. HORIZONTAL DATUM = NAD-83(2011) UNITS = U.S. FOOT
2. THESE PLANS ARE FOR DISPLAY PURPOSES ONLY AND NOT INTENDED FOR CONSTRUCTION.

REFERENCES:

1. RIGHT OF WAY INFORMATION BASED ON SURVEYS PREPARED THROUGH AUGUST 24, 2021, BY FRALINGER ENGINEERING, BRIDGETON, NJ.
2. NEW JERSEY STATE ORTHOPHOTOGRAPHY WAS CAPTURED IN APRIL AND MAY 2015, AND PRODUCED AT A SCALE OF 1:2400 (1" = 200') WITH A 1 FOOT PIXEL RESOLUTION, PROVIDED BY NJ OFFICE OF INFORMATION TECHNOLOGY (NJOIT), OFFICE OF GEOGRAPHIC INFORMATION.
3. TOWNSHIP OF UPPER TAX MAP SHEETS 27.01, 27.02, 27.03, 27.04, 27, 28.01, 28.02, 28.03, 28.04, 28 & 29.
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80 Park Plaza T6B
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Email : surveying@pseg.com

B.L. ENGLAND SUBSTATION & ONSHORE ROUTING

OCEAN TWP, CAPE MAY CO., N.J.
UPPER TWP, CAPE MAY CO., N.J.

MUNICIPAL EXHIBIT

DRAWN CCK | CHECKED BSG | SCALE AS SHOWN
DATE 11-2-2021 | EXAMINED MDR | AUTH Prj-19048

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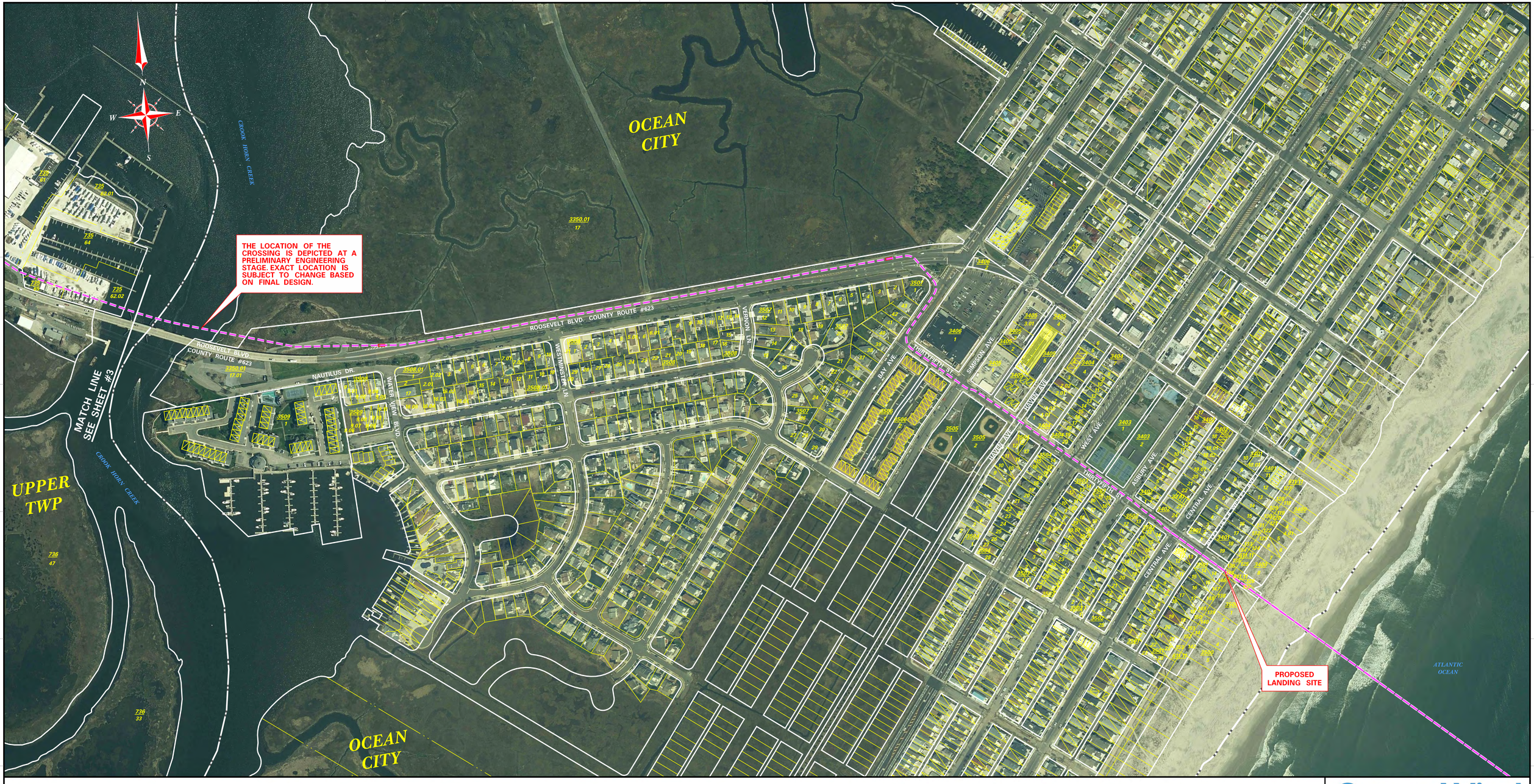

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NO	DATE	DESCRIPTION	DWN	CKD
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80 Park Plaza T6B
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B.L. ENGLAND SUBSTATION & ONSHORE ROUTING

OCEAN CITY — CAPE MAY CO., N.J.
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MUNICIPAL EXHIBIT

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