APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 29 August 2022

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: CENAP-OPR-2022-00412-95

C. PROJECT LOCATION AND BACKGROUND INFORMATION:
State: New Jersey County/parish/borough: Ocean County City: Toms River Township, South Toms River Borough, Berkeley Township, Beachwood Borough
Center coordinates of site (lat/long in degree decimal format): Lat. 39.955169° **N**, Long. -74.206696° **W**.
Universal Transverse Mercator:
Name of nearest waterbody: Toms River
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Toms River
Name of watershed or Hydrologic Unit Code (HUC): 020403010305 (Middle Toms River - Mid-Atlantic Coastal).
☒ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
☒ Office (Desk) Determination. Date: 20 June 2022 by Robert Youhas, Biologist, USACE-Philadelphia District.
☒ Field Determination. Date(s): 10 June 2022 by Robert Youhas, Biologist, USACE-Philadelphia District.

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]
☒ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain: .

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [*Required*]

1. Waters of the U.S.
a. Indicate presence of waters of U.S. in review area (check all that apply): [1]
☒ TNWs, including territorial seas
☒ Wetlands adjacent to TNWs
☐ Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
☐ Non-RPWs that flow directly or indirectly into TNWs
☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
☐ Impoundments of jurisdictional waters
☐ Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:
Non-wetland waters: linear feet: width (ft) and/or 8.142 acres.
Wetlands: 6.547 acres.

c. Limits (boundaries) of jurisdiction based on: **1987 Delineation Manual**
Elevation of established OHWM (if known): .

2. Non-regulated waters/wetlands (check if applicable):[3]
☒ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
Explain: **The following wetland features were determined to have no hydrologic or ecological connection to Waters of the U.S.: Wetland 1 (0.156-acres), Wetland 2 (0.026-acres), Wetland 3 (0.075-acres), Wetland 4 (1.806-acres), Wetland 5 (0.296-acres), Wetland 6 (0.263-acres), Wetland 22 (0.299-acres), Wetland 23 (2.391-acres), Wetland 24 (0.039-acres), Wetland 25 (0.033-acres), Wetland 26 (0.093-acres), Wetland 27 (1.422-acres), Wetland 28 (0.031-acres), Wetland 29**

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3] Supporting documentation is presented in Section III.F.

(0.024-acres), Wetland 30 (0.744-acres), Wetland 31 (0.102-acres), Wetland 32 (0.043-acres), Wetland 33 (0.134-acres), Wetland 34 (0.129-acres), Wetland 35 (0.013-acres), Wetland 36 (0.176-acres), Wetland 37 (3.099-acres), Wetland 43 (0.097-acres), Wetland 60 (0.002-acres), Wetland 63 (0.004-acres), Wetland 64 (0.042-acres), Wetland 65 (0.033-acres), Wetland 66 (0.057-acres), and Wetland 67 (0.056-acres). The nearest waterbody is the tidal Toms River (TNW), with the head of tide located at 39.961980, -74.210439 (https://gisdata-njdep.opendata.arcgis.com/). The above-mentioned wetland areas form a complex of low-lying areas which border existing highway and local roadway right-of-ways, as well as other upland infrastructure/development. Stormwater runoff and groundwater were determined to be the hydrologic sources for the above-mentioned wetland features. No observed field evidence or other data indicates that the above-mentioned wetland features are ecologically interconnected with the Toms River, nor connect hydrologically (i.e. via "overtopping") to the Toms River during storm events. Thus, the above-mentioned wetland features were determined to be wetlands that are not adjacent to a TNW. Given the lack of a hydrologic and/or ecological connection to Waters of the U.S., the above-mentioned wetland features were determined to be non-jurisdictional. This determination of non-jurisdiction is also in agreement with a U.S. Supreme Court decision (Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers, No. 99-1178, January 9, 2001). The Court ruled that isolated, interstate waters can no longer be considered Waters of the U.S. based solely upon their use by migratory birds.

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SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW
Identify TNW: **Toms River (8.142-acres)**.

Summarize rationale supporting determination: The Toms River a tidal waterbody, subject to the ebb and flow of the tide.

2. Wetland adjacent to TNW
Summarize rationale supporting conclusion that wetland is "adjacent": The following wetland features were determined to be hydrologically and/or ecologically connected to the Toms River (TNW), and were thus determined to be adjacent to a TNW: :

Wetland 38: 0.718-acres
Wetland 39: 0.579-acres
Wetland 40: 0.966-acres
Wetland 41: 0.122-acres
Wetland 42: 0.624-acres
Wetland 44: 0.044-acres
Wetland 45: 0.847-acres
Wetland 46: 1.56-acres
Wetland 47: 0.785-acres
Wetland 56: 0.077-acres
Wetland 57: 0.225-acres

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B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:
Watershed size: **Pick List**
Drainage area: **Pick List**
Average annual rainfall: inches
Average annual snowfall: inches

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

☐ Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.
Project waters are **Pick List** river miles from RPW.
Project waters are **Pick List** aerial (straight) miles from TNW.
Project waters are **Pick List** aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW[5]: .
Tributary stream order, if known: .

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural
☐ Artificial (man-made). Explain: .
☐ Manipulated (man-altered). Explain: .

Tributary properties with respect to top of bank (estimate):
Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

☐ Silts ☐ Sands ☐ Concrete
☐ Cobbles ☐ Gravel ☐ Muck
☐ Bedrock ☐ Vegetation. Type/% cover:
☐ Other. Explain: .

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .
Presence of run/riffle/pool complexes. Explain: .
Tributary geometry: **Pick List**
Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**
Estimate average number of flow events in review area/year: **Pick List**
Describe flow regime: .
Other information on duration and volume: .

Surface flow is: **Pick List**. Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .
☐ Dye (or other) test performed: .

Tributary has (check all that apply):

☐ Bed and banks
☐ OHWM[6] (check all indicators that apply):
☐ clear, natural line impressed on the bank ☐ the presence of litter and debris
☐ changes in the character of soil ☐ destruction of terrestrial vegetation
☐ shelving ☐ the presence of wrack line
☐ vegetation matted down, bent, or absent ☐ sediment sorting
☐ leaf litter disturbed or washed away ☐ scour
☐ sediment deposition ☐ multiple observed or predicted flow events
☐ water staining ☐ abrupt change in plant community
☐ other (list):
☐ Discontinuous OHWM.[7] Explain: .

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
[6] A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7] Ibid.

☐ High Tide Line indicated by:
- ☐ oil or scum line along shore objects
- ☐ fine shell or debris deposits (foreshore)
- ☐ physical markings/characteristics
- ☐ tidal gauges
- ☐ other (list):

☐ Mean High Water Mark indicated by:
- ☐ survey to available datum;
- ☐ physical markings;
- ☐ vegetation lines/changes in vegetation types.

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain: .

Identify specific pollutants, if known: .

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width): .
- ☐ Wetland fringe. Characteristics: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain: .

Wetland quality. Explain: .

Project wetlands cross or serve as state boundaries. Explain: .

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain: .

Surface flow is**: Pick List**

Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .

- ☐ Dye (or other) test performed: .

(c) Wetland Adjacency Determination with Non-TNW:

- ☐ Directly abutting
- ☐ Not directly abutting
  - ☐ Discrete wetland hydrologic connection. Explain: .
  - ☐ Ecological connection. Explain: .
  - ☐ Separated by berm/barrier. Explain: .

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List.**

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: .

Identify specific pollutants, if known: .

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width): .
- ☐ Vegetation type/percent cover. Explain: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately ( ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: .

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: .

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☒ TNWs: linear feet width (ft), Or, 8.142-acres.
   - ☒ Wetlands adjacent to TNWs: 6.547-acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: .
   - ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: .

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.[9]**
As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
☐ Demonstrate that impoundment was created from "waters of the U.S.," or
☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]
☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
☐ which are or could be used for industrial purposes by industries in interstate commerce.
☐ Interstate isolated waters. Explain: .
☐ Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

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[8] See Footnote # 3.
[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
[10] **Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.***

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .
☐ Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):
☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
☒ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
☒ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
☐ Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☒ Wetlands: 11.79-acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):
☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: E-1 through E-13, all entitled "NAP-2022-00412-95" and dated 29 August 2022 by USACE.
☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☒ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report.
☐ Data sheets prepared by the Corps: .
☐ Corps navigable waters' study: .
☐ U.S. Geological Survey Hydrologic Atlas: .
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☒ U.S. Geological Survey map(s). Cite scale & quad name:USGS The National Map: National Boundaries Dataset, June 2021'.
☒ USDA Natural Resources Conservation Service Soil Survey. Citation: USDA-NRCS Soil Maps SSURGO STATSGO2.
☒ National wetlands inventory map(s). Cite name: NJDEP-Mapped Freshwater and Coastal Wetlands.
☐ State/Local wetland inventory map(s): .
☒ FEMA/FIRM maps: FEMA Floodplain Map - NJDEP.
☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
☒ Photographs: ☒ Aerial (Name & Date):GoogleEarth Aerial Photographs: 05 April 2021, 31 July 2020, 06 Sept 2013, 28 May 2008, 31 Dec 2001, and 28 March 1995.
or ☒ Other (Name & Date):Site photos taken in March 2022 (by consultant) and on 10 June 2022 (by USACE).
☐ Previous determination(s). File no. and date of response letter: .
☐ Applicable/supporting case law: .
☐ Applicable/supporting scientific literature: .
☐ Other information (please specify): .

B. ADDITIONAL COMMENTS TO SUPPORT JD:

As per Section IIIA of the 04 March 1997 Memorandum of Agreement (MOA) between the State of New Jersey and the Department of the Army regarding "assumption" Section 404 of the Clean Water Act of 1977 as amended: "All Waters of the U.S., as defined at 40 C.F.R. Section 232.2(q), within the State of New Jersey, will be regulated by the New Jersey Department of Environmental Protection as part of their State program, with the exception of those waters which are presently used, or are susceptible to use in their natural condition or by reasonable improvement as a means to transport interstate or foreign commerce shoreward to their ordinary highwater mark, including all waters which are subject to the ebb and flow of the tide shoreward to their mean high water mark, including wetlands adjacent thereto. For the purposes of this agreement, the Corps will retain regulatory authority over those wetlands that are partially or entirely located within 1,000 feet of the ordinary high water mark or mean high tide of the Delaware River, Greenwood Lake, and all water bodies which are subject to the ebb and flow of the tide. State waters will generally be determined by superimposing Head of Tide data on the State's freshwater wetlands quarter quadrangles which are at a scale of one inch equals 1,000 feet. A line will be established parallel to and 1,000 feet from the ordinary high water mark or mean high tide of the waters described above. The Corps will retain jurisdiction over all wetlands which are waterward of, or intersected by, the jurisdictional line above."

Thus, for the subject Approved Jurisdictional Determination, the Corps' extent of jurisdiction within the review area was determined to be limited to 1,000-linear feet laterally downstream from the head of tide of the Toms River.

BOROUGH OF SOUTH TOMS RIVER
BOROUGH OF BEACHWOOD
BERKELEY TOWNSHIP

COUNTY OF OCEAN

N. J. PLANE COORDINATE SYSTEM
NAD83

BERKELEY TWP
SOUTH TOMS RIVER BOROUGH

DOUBLE TROUBLE ROAD

RAMP 80SBX

GARDEN STATE PARKWAY SB

GARDEN STATE PARKWAY NB

BIRCH STREET

JAKES BRANCH

SOUTH TOMS RIVER BOROUGH
BEACHWOOD BOROUGH

ROUTE 9

RAMP 80NBE

DOVER ROAD

SOUTH TOMS RIVER BOROUGH
BERKELEY TWP

USACOE JURISDICTIONAL BOUNDARY

ACE-1

MAGNOLIA AVENUE

SEE USACE JURISDICTION PLAN REFERENCE SHEET -2-

0 1/2 1 2 3 4
ORIGINAL SIZE IN INCHES

PR-1
PR-3

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN REFERENCE
SHEET -1-

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

LEGEND

ACE = USACE JURISDICTION PLANS

E-1 NAP-2022-00412-95 29 August 2022

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=200'
DATE: JUNE 2022

1
XXX

FILENAME: P3828-200_USACE_PSI_0001.SHT

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PLOT DATE: 6/17/2022 9:03:29 AM
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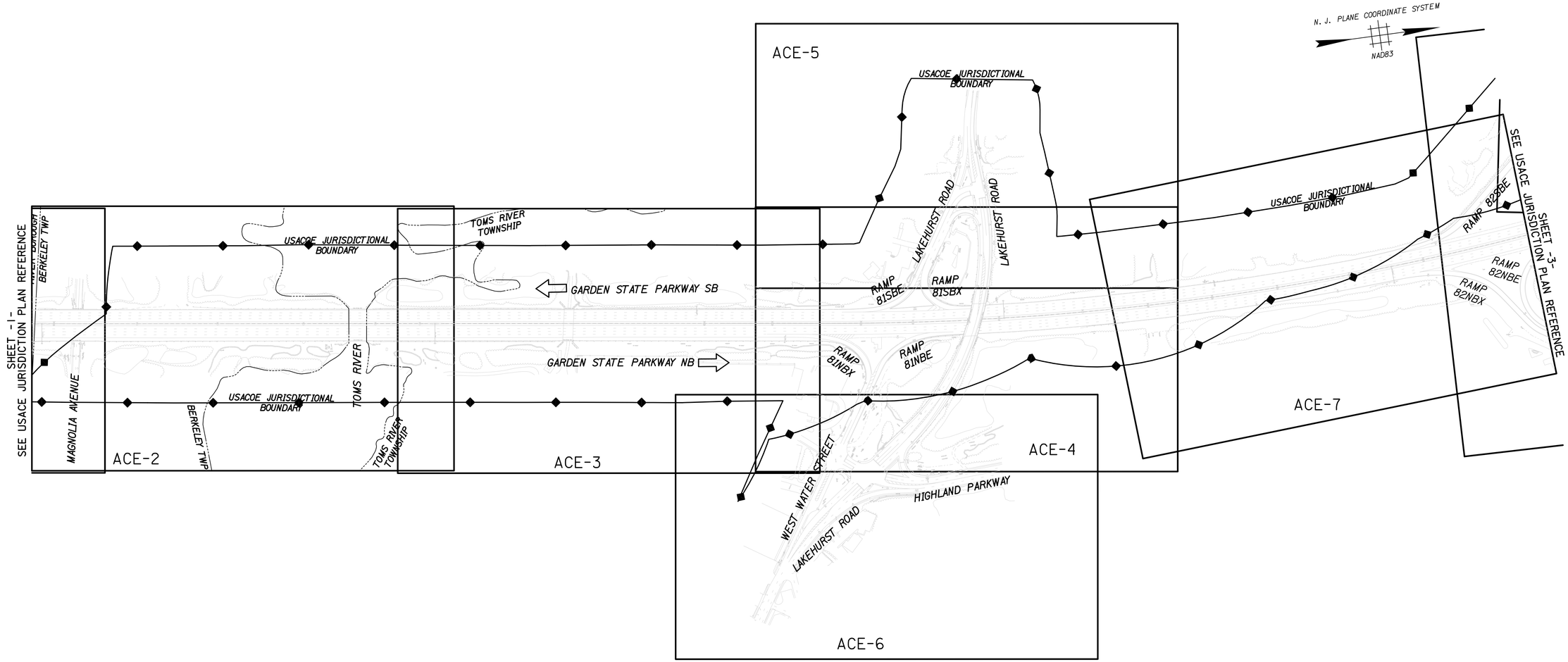
TOWNSHIP OF TOMS RIVER
BERKELEY TOWNSHIP
SOUTH TOMS RIVER BOROUGH

COUNTY OF OCEAN



	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

LEGEND

ACE = USACE JURISDICTION PLANS

0 1/2 1 2 3 4
ORIGINAL SIZE IN INCHES

PR-2
PR-3

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING
FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN REFERENCE
SHEET -2-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=200'
DATE: JUNE 2022

2
XXX

FILENAME: P3828-200_USACE_PSI_0002.SHT

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PLOT DATE: 6/17/2022 9:03:36 AM
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TOWNSHIP OF TOMS RIVER

COUNTY OF OCEAN

ACE-10

ACE-8

ACE-9

USACOE JURISDICTIONAL BOUNDARY

USACOE JURISDICTIONAL BOUNDARY

N. J. PLANE COORDINATE SYSTEM
NAD83

SEE USACE JURISDICTION PLAN REFERENCE SHEET -2-

ROUTE 37 E

ROUTE 37 W

RAMP 82BBE

RAMP 82BBX

RAMP 82ASBE

RAMP 82ASBX

RAMP 82NBE

RAMP 82ANBE

RAMP 82ANBX

RAMP 82NBX

GARDEN STATE PARKWAY SB

GARDEN STATE PARKWAY NB

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

LEGEND

ACE = USACE JURISDICTION PLANS

E-3 NAP-2022-00412-95 29 August 2022

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

PR-3
PR-3

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)

PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN REFERENCE

SHEET -3-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=200'

DATE: JUNE 2022

3
XXX

FILENAME: P3828-200_USACE_PSI_0003.SHT

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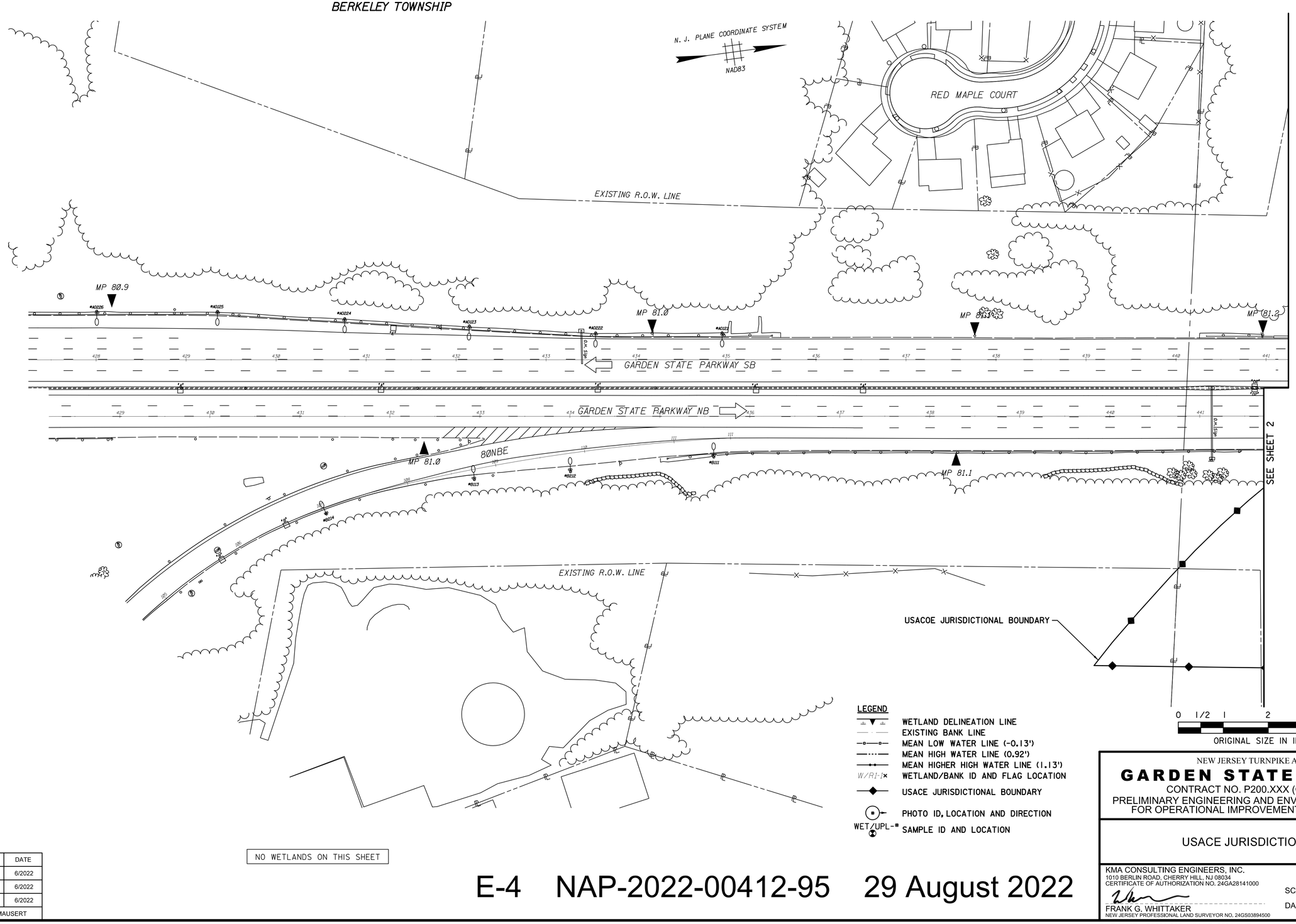
BOROUGH OF SOUTH TOMS RIVER
BERKELEY TOWNSHIP

COUNTY OF OCEAN



LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 — WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# — SAMPLE ID AND LOCATION

NO WETLANDS ON THIS SHEET

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

ACE-1
ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -1-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'
DATE: JUNE 2022

1
XXX

E-4 NAP-2022-00412-95 29 August 2022

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E-5 NAP-2022-00412-95 29 August 2022

LEGEND

▲▼	WETLAND DELINEATION LINE
— · —	EXISTING BANK LINE
—□—	MEAN LOW WATER LINE (-0.13')
— · · —	MEAN HIGH WATER LINE (0.92')
—•—	MEAN HIGHER HIGH WATER LINE (1.13')
W/R1-1×	WETLAND/BANK ID AND FLAG LOCATION
—◆—	USACE JURISDICTIONAL BOUNDARY
⊙	PHOTO ID, LOCATION AND DIRECTION
WET/UPL-#	SAMPLE ID AND LOCATION

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 46	0.165
WETLAND 47	0.785
WETLAND 56	0.077
WETLAND 57	0.225
STATE OPEN WATER 15 (TOMS RIVER)	5.927

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

PLOT BY: bkelly
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ACE-2
ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING
FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -2-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

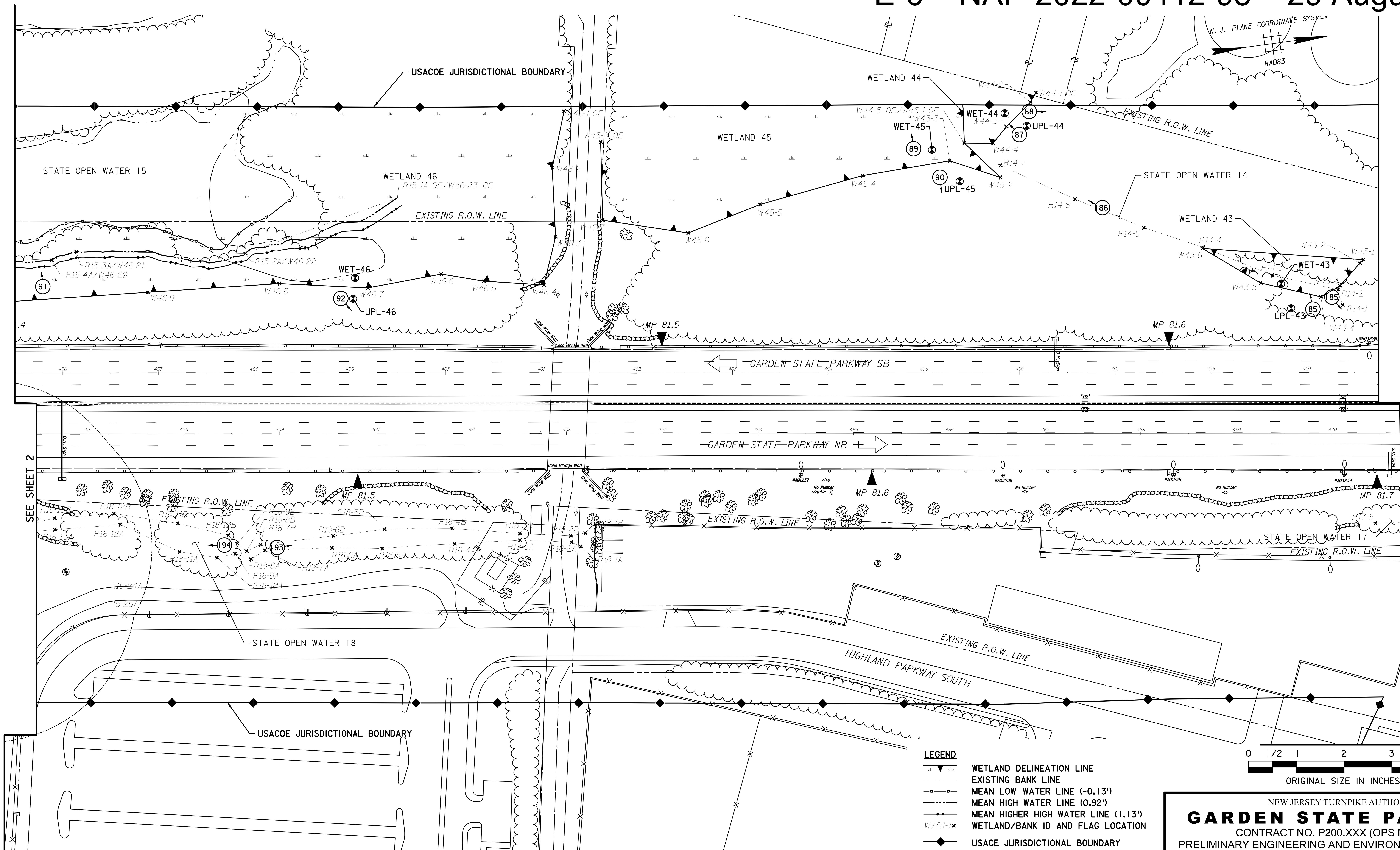
FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'
DATE: JUNE 2022

2
XXX

FILENAME: P3828-200_USACE_0002.SHT

TOWNSHIP OF TOMS RIVER



LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1× WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# SAMPLE ID AND LOCATION

0 1/2 1 2 3 4
ORIGINAL SIZE IN INCHES

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 43	0.097
WETLAND 44	0.044
WETLAND 45	0.847
WETLAND 46	1.395
STATE OPEN WATER 15 (TOMS RIVER)	1.303

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

PLOT BY: bkelly
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ACE-3
ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)

PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -3-

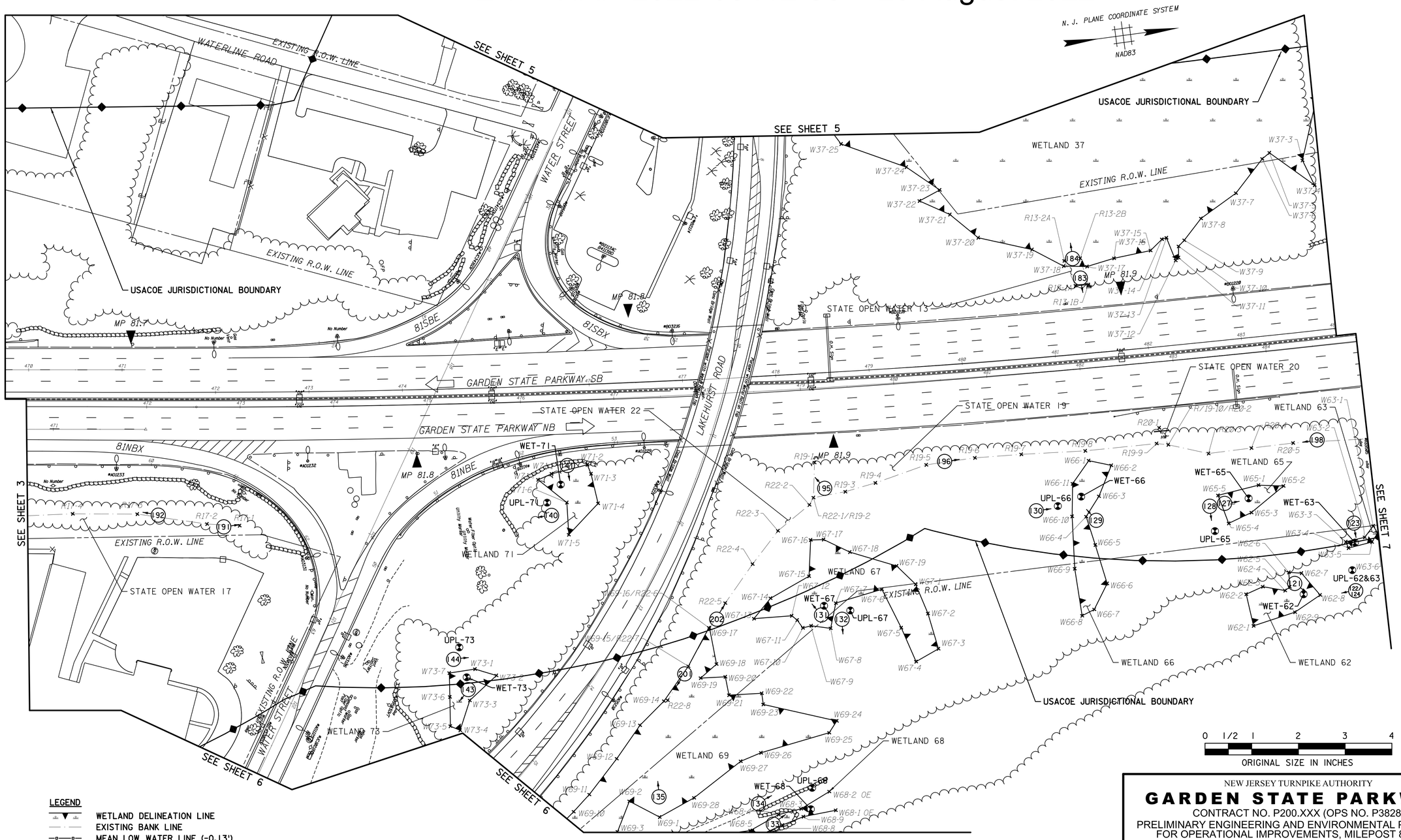
KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'
DATE: JUNE 2022

3
XXX

FILENAME: P3828-200_USACE_0003.SHT



LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# SAMPLE ID AND LOCATION

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 37	1.476
WETLAND 63	0.004
WETLAND 65	0.033
WETLAND 66	0.057
WETLAND 67	0.056

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

ACE-4
ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -4-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'

DATE: JUNE 2022

4
XXX

FILENAME: P3828-200_USACE_0004.SHT

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PLOT DATE: 6/17/2022 9:06:17 AM
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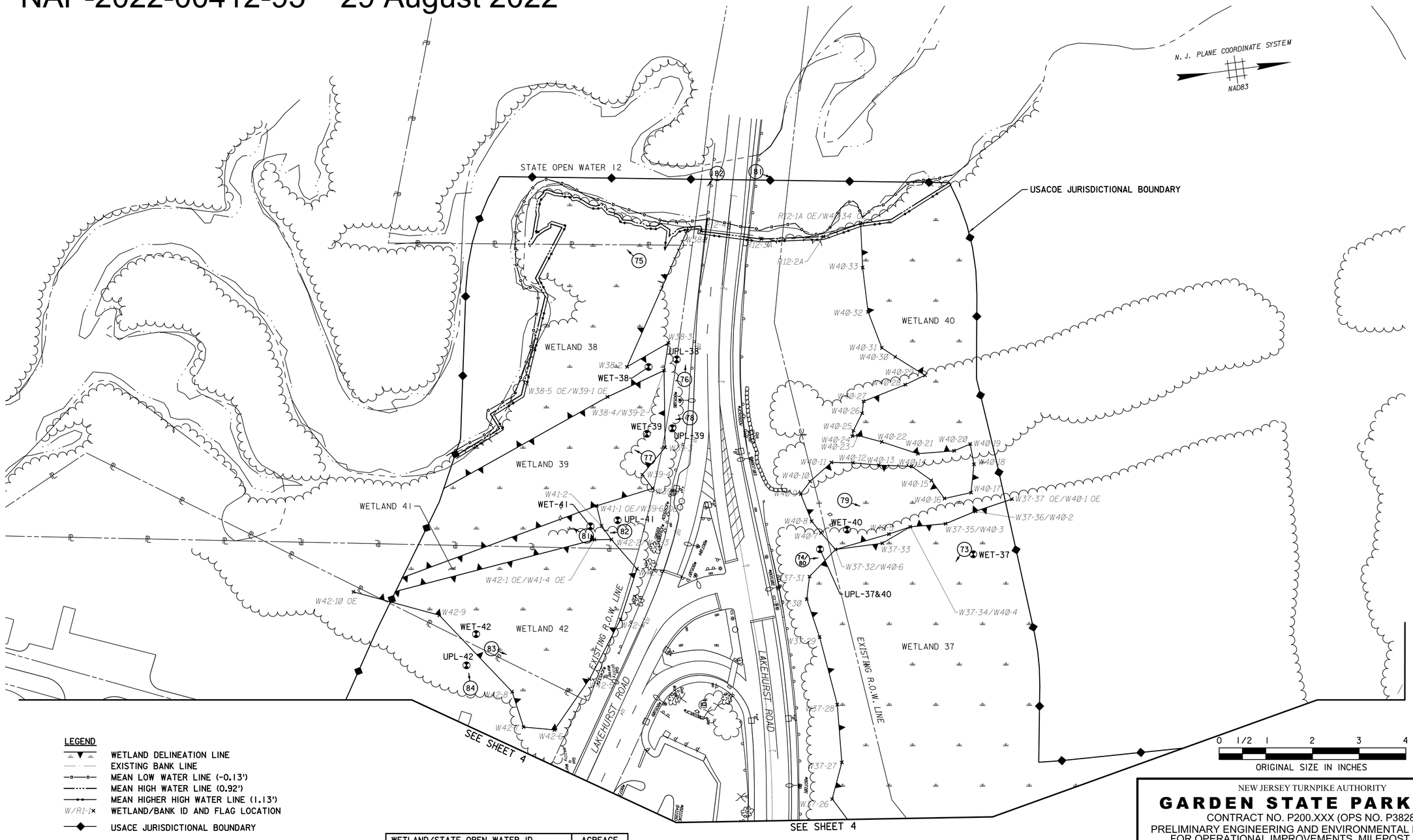
E-8 NAP-2022-00412-95 29 August 2022

COUNTY OF OCEAN

N. J. PLANE COORDINATE SYSTEM
NAD83



LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-* WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-* SAMPLE ID AND LOCATION

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 37	1.623
WETLAND 38	0.718
WETLAND 39	0.579
WETLAND 40	0.966
WETLAND 41	0.122
WETLAND 42	0.624
STATE OPEN WATER 12 (TOMS RIVER)	0.869

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

PLOT BY: bkelly
PLOT DATE: 6/17/2022 9:06:50 AM
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ACE-5
ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -5-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'
DATE: JUNE 2022

5
XXX

FILENAME: P3828-200_USACE_0005.SHT

TOWNSHIP OF TOMS RIVER

COUNTY OF OCEAN

N. J. PLANE COORDINATE SYSTEM
NAD83

SEE SHEET 4

SEE SHEET 4

HIGHLAND PARKWAY SOUTH

EXISTING R.O.W. LINE

LAKEHURST ROAD

WEST WATER STREET

USACOE JURISDICTIONAL BOUNDARY

WET-69

UPL-69

WETLAND 69

WETLAND 68

UPL-70

WETLAND 70

WET-70

EXISTING R.O.W. LINE

HIGHLAND PARKWAY

EXISTING R.O.W. LINE

WET-75

WETLAND 75

UPL-75

EXISTING R.O.W. LINE

LAKEHURST ROAD

WEST WATER STREET

LIEN STREET

EXISTING R.O.W. LINE

ELM STREET

MESSENGER COURT

MESSENGER COURT

EXISTING R.O.W. LINE

HAMLET COURT

LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 — WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# — SAMPLE ID AND LOCATION

0 1/2 1 2 3 4
ORIGINAL SIZE IN INCHES

ACE-6
ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -6-

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'

DATE: JUNE 2022

6
XXX

E-9 NAP-2022-00412-95 29 August 2022

FILENAME: P3828-200_USACE_0006.SHT

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PLOT DATE: 6/17/2022 9:07:20 AM
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TOWNSHIP OF TOMS RIVER

COUNTY OF OCEAN

E-10 NAP-2022-00412-95 29 August 2022

N. J. PLANE COORDINATE SYSTEM
NAD83

USACOE JURISDICTIONAL BOUNDARY

WETLAND 34
STATE OPEN WATER 11
WETLAND 36
WETLAND 29
WETLAND 27
WETLAND 28
WETLAND 33
WETLAND 30
WETLAND 23
WETLAND 35
WETLAND 32
WETLAND 31
WETLAND 64
WETLAND 60
WETLAND 59
WETLAND 58
WETLAND 61

STATE OPEN WATER 10
STATE OPEN WATER 9
STATE OPEN WATER 20
STATE OPEN WATER 21

WET-34 WET-36 WET-33 WET-30 WET-32 WET-35 WET-28 WET-29 WET-31 WET-64 WET-60 WET-59 WET-58 WET-61

UPL-34 UPL-36 UPL-33 UPL-30 UPL-32 UPL-35 UPL-28 UPL-29 UPL-31 UPL-64 UPL-60 UPL-59 UPL-58 UPL-61

EXISTING R.O.W. LINE

GARDEN STATE PARKWAY SB

GARDEN STATE PARKWAY NB

MP 82.0
MP 82.1
MP 82.2

B2SBE
B2NBX

SEE SHEET 4
SEE SHEET 8

USACOE JURISDICTIONAL BOUNDARY

EXISTING R/O1/W1 LINE

0 1/2 1 2 3 4
ORIGINAL SIZE IN INCHES

ACE-7
ACE-10

LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# SAMPLE ID AND LOCATION

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 23	0.878
WETLAND 27	0.145
WETLAND 28	0.031
WETLAND 29	0.024
WETLAND 30	0.744
WETLAND 31	0.102
WETLAND 32	0.043

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 33	0.134
WETLAND 34	0.129
WETLAND 35	0.013
WETLAND 36	0.176
WETLAND 60	0.002
WETLAND 64	0.042

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

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NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)
PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -7-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE NO. AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

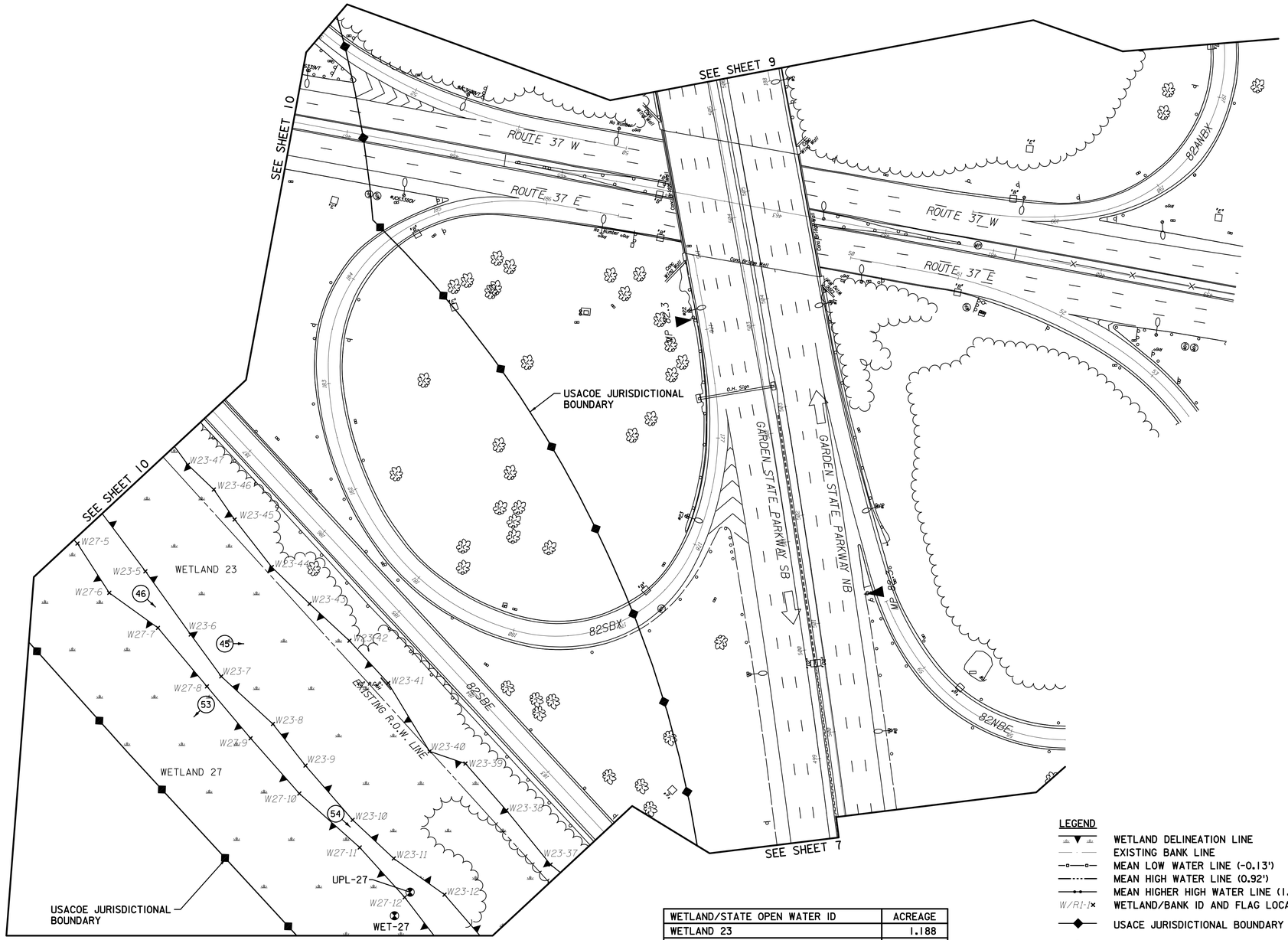
SCALE: 1"=50'
DATE: JUNE 2022

7
XXX

FILENAME: P3828-200_USACE_0007.SHT

TOWNSHIP OF TOMS RIVER

COUNTY OF OCEAN



N. J. PLANE COORDINATE SYSTEM
NAD83

WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 23	1.188
WETLAND 27	0.927

LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 — WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# — SAMPLE ID AND LOCATION

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

ACE-8 / ACE-10

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)

PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -8-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'

DATE: JUNE 2022

8
XXX

FILENAME: P3828-200_USACE_0008.SHT

PLOT BY: bkelly
PLOT DATE: 6/17/2022 9:08:23 AM
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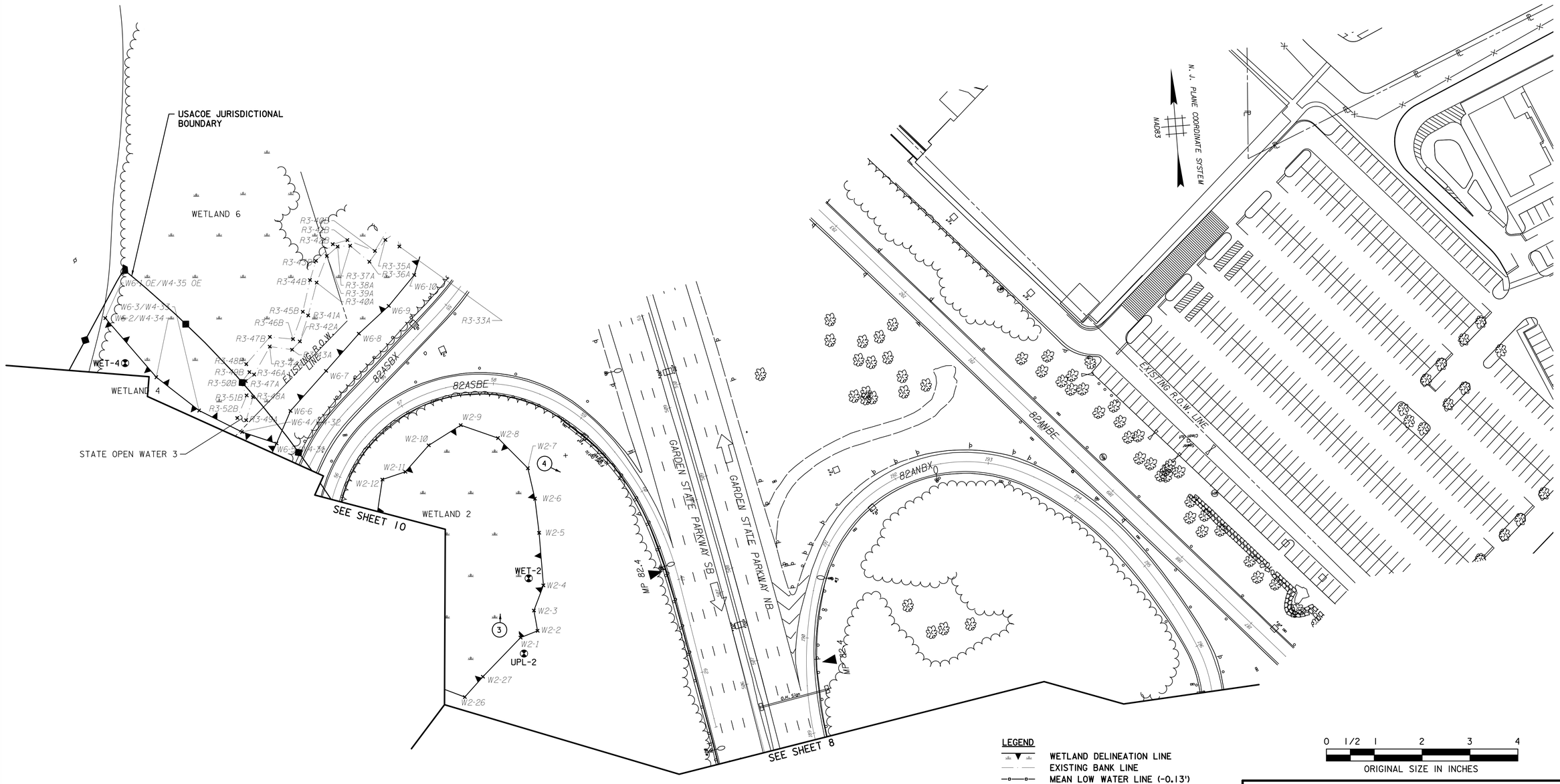
TOWNSHIP OF TOMS RIVER

COUNTY OF OCEAN



WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 4	0.105
WETLAND 6	0.263

LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-# SAMPLE ID AND LOCATION

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

ACE-9 / ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)

PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -9-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'

DATE: JUNE 2022

9 / XXX

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

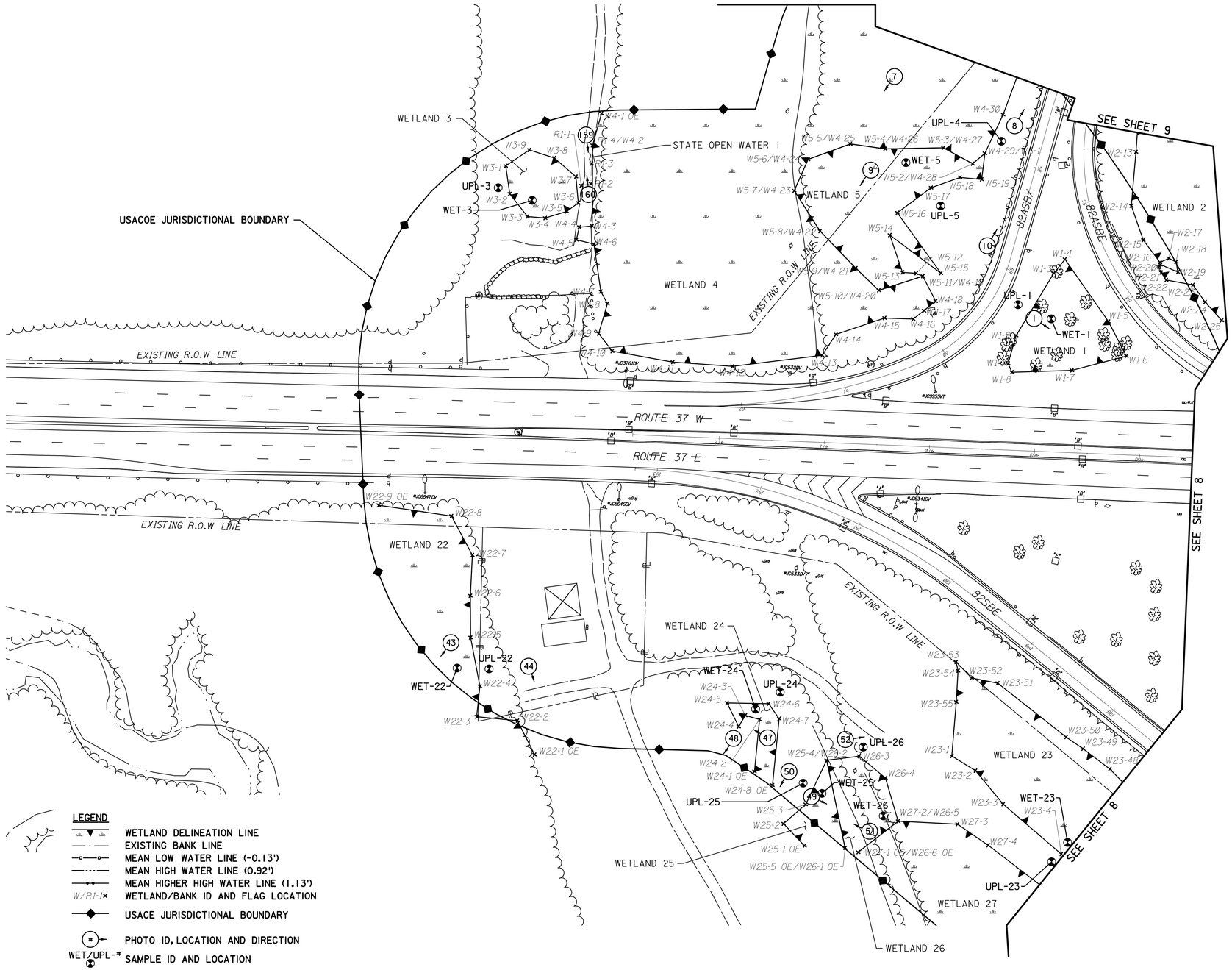
PLOT BY: bkelly
PLOT DATE: 6/17/2022 9:08:52 AM
CADD FILE: S:\2021655 OPS P3828 - GSP 80 to 83\CADD\Plan\203 - USACE JURISDICTION PLANS\P3828-200_USACE_0009.SHT

E-12 NAP-2022-00412-95 29 August 2022

FILENAME: P3828-200_USACE_0009.SHT

TOWNSHIP OF TOMS RIVER

COUNTY OF OCEAN



WETLAND/STATE OPEN WATER ID	ACREAGE
WETLAND 1	0.156
WETLAND 2	0.026
WETLAND 3	0.075
WETLAND 4	1.806
WETLAND 5	0.296
WETLAND 22	0.299
WETLAND 23	0.325
WETLAND 24	0.039
WETLAND 25	0.033
WETLAND 26	0.093
WETLAND 27	0.350

LEGEND

- WETLAND DELINEATION LINE
- EXISTING BANK LINE
- MEAN LOW WATER LINE (-0.13')
- MEAN HIGH WATER LINE (0.92')
- MEAN HIGHER HIGH WATER LINE (1.13')
- W/R1-1 WETLAND/BANK ID AND FLAG LOCATION
- USACE JURISDICTIONAL BOUNDARY
- PHOTO ID, LOCATION AND DIRECTION
- WET/UPL-* SAMPLE ID AND LOCATION

	BY	DATE
MADE	SCS	6/2022
TRACED	SCS	6/2022
CHECKED	BEK	6/2022
SUPERVISED	B.MAUSERT	

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

ACE-10 / ACE-10

NEW JERSEY TURNPIKE AUTHORITY

GARDEN STATE PARKWAY

CONTRACT NO. P200.XXX (OPS NO. P3828)

PRELIMINARY ENGINEERING AND ENVIRONMENTAL PERMITTING FOR OPERATIONAL IMPROVEMENTS, MILEPOST 80 TO 83

USACE JURISDICTION PLAN -10-

KMA CONSULTING ENGINEERS, INC.
1010 BERLIN ROAD, CHERRY HILL, NJ 08034
CERTIFICATE OF AUTHORIZATION NO. 24GA28141000

FRANK G. WHITTAKER
NEW JERSEY PROFESSIONAL LAND SURVEYOR NO. 24GS03894500

SCALE: 1"=50'

DATE: JUNE 2022

10 / XXX

FILENAME: P3828-200_USACE_0010.SHT

PLOT BY: bkelly
PLOT DATE: 6/17/2022 9:09:23 AM
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