

Appendix B

Section 10 and Section 404 Permit (USACE)

DEPARTMENT OF THE ARMY PERMIT

PERMITTEE AND PERMIT NUMBER:

SOMERS POINT HIGBEE MARINA DREDGING BENEFICIAL REUSE AT
City of Somers Point
CENAP-OP-R-2015-1060-24

ISSUING OFFICE:

Department of the Army
U.S. Army Corps of Engineers, Philadelphia District
Wanamaker Building - 100 Penn Square East
Philadelphia, Pennsylvania 19107-3390

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

PROJECT DESCRIPTION:

This permit authorizes the reconstruction of a marina facility by removing dock structures, constructing new docks, and performing dredging. The specifically authorized structural work consists of the removal of an existing "U-shaped" dock arrangement, with construction of the following new structures: a) 72x6' fixed dock perpendicular to shore; b) 18x30' (with building) and 13x6' fixed docks parallel to shore; c) 130x6' and 214x6' floating docks perpendicular to shore; d) seven (7) dock "fingers" (five 25x3', one 20x8', one 25x6'); and e) 48 new pilings. The construction will result in a total of 22 boat slips. Two would be designated for a water taxi and a fishing excursion boat. The remainder would be for transient boaters.

Dredging is authorized by mechanical (bucket) method. A maximum total of 6,896 cubic yards (CY) of material shall be dredged from a maximum area of approximately 0.9 acre, to a maximum depth of six (6) feet below mean low water. Dredge material shall be transferred to a staging area in the adjacent City-owned parking lot using a long reach excavator. It shall be contained by Jersey barriers and silt fencing.

Following dewatering, 2,411 CY of the dredged material shall be loaded into lined dump trucks and transported to the beneficial reuse site. It shall be used to construct an embankment or berm along the north side of Somers Point – Mays Landing Road. The berm shall have a 1-foot wide top (at various elevations) and a 2:1 slope (H:V). The remaining 4,485 CY of dredged material shall be mixed with dry Portland cement prior to being loaded and transported to the beneficial reuse site. It shall be used for structural fill to raise the parking lot at Gateway Marina along Patcong Creek by approximately 3.5 feet above the existing grade.

The top of the embankment along the road shall be at 5-6' NAVD 88, while the top of the berm along the parking lot shall be at 8' NAVD 88. The embankment/berm shall be planted with native vegetation as indicated on the approved project plans. This permit authorizes a maximum of 0.11 acre of fill to be placed below the elevation of the high tide line (HTL). All work is to be completed in accordance with the attached plans labeled E-1 through E-17 and any plans referenced in the Special Conditions of this permit.

PROJECT LOCATION:

Marina (docks/dredging): Decimal Latitude: 39.311358° N; Longitude: -74.592378°
Beneficial Reuse (west end): Decimal Latitude: 39.316000° N; Longitude: -74.628042°
(east end): Decimal Latitude: 39.314980° N; Longitude: -74.622846°

The authorized site of the docks and dredging project is the Higbee Marina, owned by the City of Somers Point. It is located in and along Ship Channel, approximately 2,000 feet northeast of the Route 52 bridge, at 198 Higbee Avenue, Block 1612, Lots 2 and 2.01, in the City of Somers Point, Atlantic County, New Jersey.

The authorized site for beneficial reuse of dredged material is situated along the north side of Somers Point – Mays Landing Road (County Road 559), between the Patcong Creek bridge on the west, and the Garden State Parkway on the east, also within the City of Somers Point.

PERMIT CONDITIONS:

General Conditions:

1. The time limit for completing the work authorized ends on December 31, 2021. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. All work performed in association with the above noted project shall be conducted in accordance with the following project plans prepared by Mott Associates, LLC (Job 7031.8):
 - a) Sheets 1 through 4 of 4; dated 5/1/17 (Sheets 2, 3 and 4, respectively, last revised 11/6/17, 12/18/17 and 1/8/18); entitled "City of Somers Point ... Reconstruction of Higbee Marina ..." and
 - b) Sheets 1 through 13 of 13; dated 5/1/17 (Sheets 2 through 8 last revised 1/8/18, Sheets 9 through 11 last revised 12/30/17, Sheet 12 unrevised, and Sheet 13 last revised 7/7/17); entitled "City of Somers Point ... Somers Point Mays Landing Road Resiliency Embankment ..."

Reduced (8.5 x 11") size copies of these plans are attached to this permit and labeled E-1 through E-17.

2. The authorized work shall not result in the disturbance or alteration of greater than 1.02 acres of waters of the United States from: a) dredging up to 0.9 acre of Ship Channel (which includes the majority of the area of authorized structures covering up to 0.08 acre); b) a portion of the 6-foot wide fixed dock between the shore and the dredging area (covering approximately 0.01 acre); and c) the filling of up to 0.11 acre below the high tide line of Patcong Creek/Great Egg Harbor Bay for the beneficial reuse project.
3. Any deviation in construction methodology or project design from that shown on the above noted drawings must be approved by this office, in writing, prior to performance of the work. All modifications to the above noted project plans shall be approved, in writing, by this office. No work shall be performed prior to written approval of this office.
4. This office shall be notified prior to the commencement of authorized work by completing and signing the enclosed Notification/ Certification of Work Commencement Form. This office shall also be notified within 10 days of the completion of the authorized work by completing and signing the enclosed Notification/Certification of Work Completion/Compliance Form. All notifications required by this condition shall be in writing. The Notification of Commencement of work may be sent to this office by facsimile or other electronic means; all other notifications shall be transmitted to this office by registered mail. Oral notifications are not acceptable. Similar notification is required each time maintenance work is to be done under the terms of this Corps of Engineers permit.

5. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
6. Representatives of the U.S. Army Corps of Engineers shall be permitted to inspect the project during its phase of construction, and to collect any samples, or to conduct any tests deemed necessary.
7. The permittee is responsible for ensuring that the contractor and/or workers executing the activity(s) authorized by this permit have knowledge of the terms and conditions of the authorization and that a copy of the permit document is at the project site throughout the period the work is underway.
8. All structures shall be constructed with alternative materials, such as plastic, natural cedar or other untreated wood, polymer coated pressure-treated wood, concrete or other inert products. Creosote and un-coated pressure-treated lumber (i.e. preservative treatment such as CCA-C, ACZA, CC, ACQ, etc.)(wolmanized) which are susceptible to leaching are not authorized at this location. The permittee shall submit a bill of lading or contractor receipt testifying to the fact that all constructed, replaced or relocated docks, piers, pilings, bulkheads or other structures were constructed of alternative materials as described above, and not uncoated pressure-treated lumber. This bill or receipt shall be included with the Notification/Certification of Work Completion/Compliance Form to be submitted within 10 days of the completion of the authorized work (see also Special Condition 4).
9. Floating dock structures shall not rest on the bottom at any tidal stage. If water depths within the floating dock area should become less than 2 feet (at mean low water), the permittee shall install chocks or stops to prevent such grounding.
10. In order to protect migrating anadromous fish species, all dredging as well as removal and installation of pilings shall occur outside the period March 1 through June 30, inclusive.
11. No dredging shall be performed to a depth greater than that of the connecting adjacent waterway.
12. All dredged material shall be dewatered and rehandled in the adjacent marina parking lot, and shall be contained to preclude its escape into the waters of Ship Channel.
13. Soil erosion and sedimentation controls shall be installed in accordance with any requirements by the Cape Atlantic Soil Conservation District prior to any earth moving activity and maintained for the duration of the disturbance until such time as the soils are stabilized. The permittee shall monitor all erosion and sediment controls daily and repair as needed to maintain compliance with any requirements of the Cape Atlantic Soil Conservation District.

FURTHER INFORMATION:

1. **Congressional Authorities:** You have been authorized to undertake the activity described above pursuant to:

Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

Section 404 of the Clean Water Act (33 U.S.C. 1344).

Section 103 of the Marine Protection, Research and Sanctuaries Act.

2. **Limits of this authorization.**

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. **Limits of Federal Liability.** In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. **Reliance on Applicant's Data.** The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

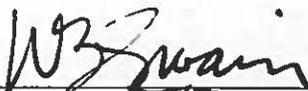
5. **Reevaluation of Permit Decision.** This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

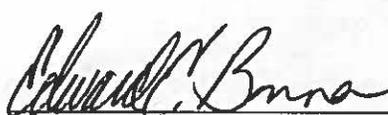
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



(PERMITTEE) *WS*
William E. Swein
City Administrator

6/19/2018
(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(District Engineer)
Edward E. Bonner, Chief, Regulatory Branch

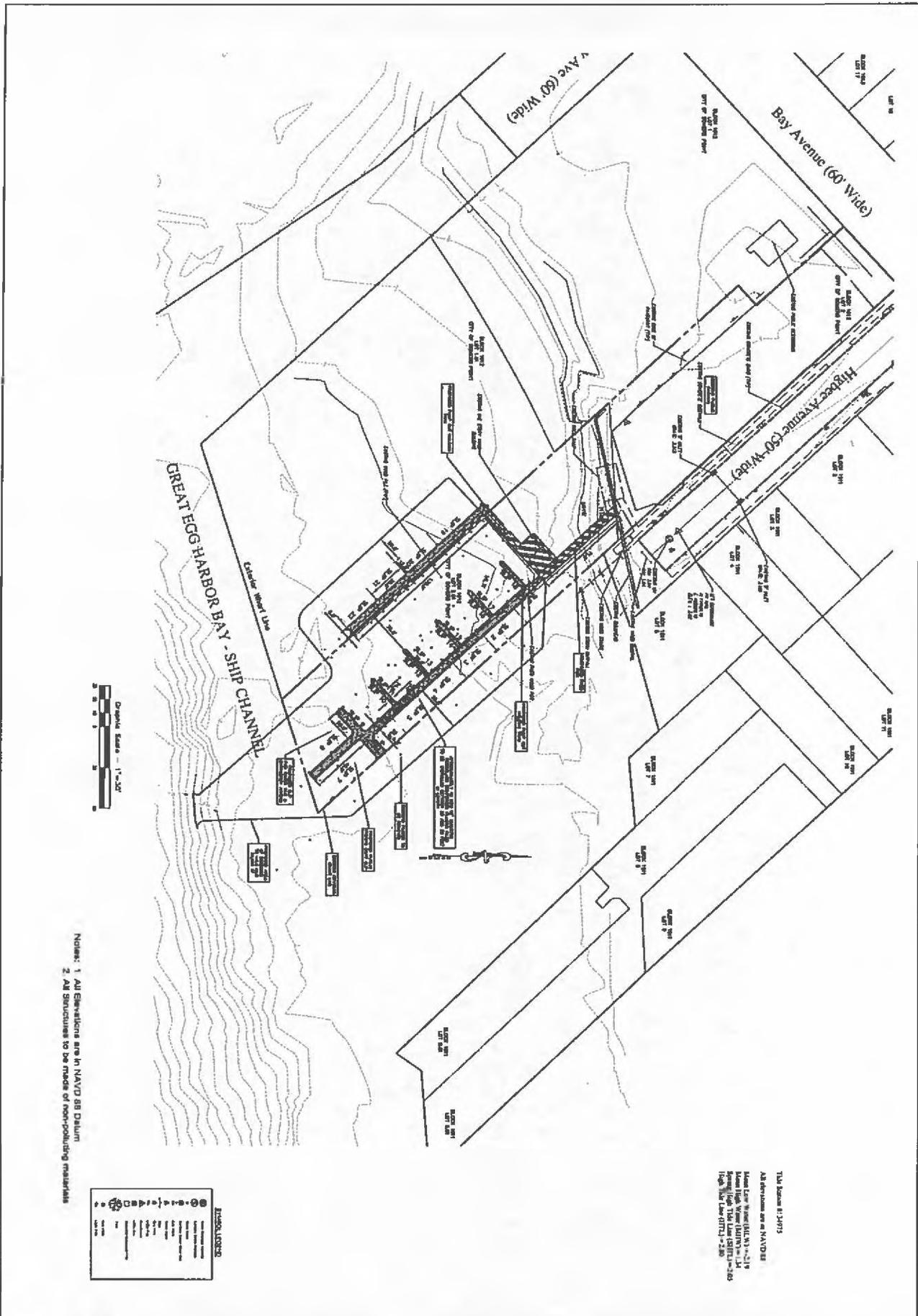
6/29/2018
(DATE)

for Kristen N. Dahle
Lieutenant Colonel, Corps of Engineers
District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEEE)

(DATE)



Notes: 1. All Elevations are in NAVD 88 Datum
 2. All Structures to be made of non-polluting materials

LEGEND

(Symbol)	Proposed Dock
(Symbol)	Proposed Pier
(Symbol)	Proposed Mooring
(Symbol)	Proposed Structure
(Symbol)	Proposed Utility
(Symbol)	Proposed Access
(Symbol)	Proposed Easement
(Symbol)	Proposed Right-of-Way
(Symbol)	Proposed Boundary
(Symbol)	Proposed Elevation
(Symbol)	Proposed Structure
(Symbol)	Proposed Utility
(Symbol)	Proposed Access
(Symbol)	Proposed Easement
(Symbol)	Proposed Right-of-Way
(Symbol)	Proposed Boundary
(Symbol)	Proposed Elevation

TDA Number: 134973
 All elevations are in NAVD 88
 Mean Low Water (MLW) = -2.19
 Mean High Water (MHW) = -1.19
 Mean Higher High Water (MHHW) = -0.19
 Low Tide (LT) = -2.80

E-3

70318
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SOMERS POINT
 1700 155000

City of Somers Point
 Atlantic County, New Jersey
Higbee Marina
 Site Plan
 Block 1612, Lots 2 & 2.01

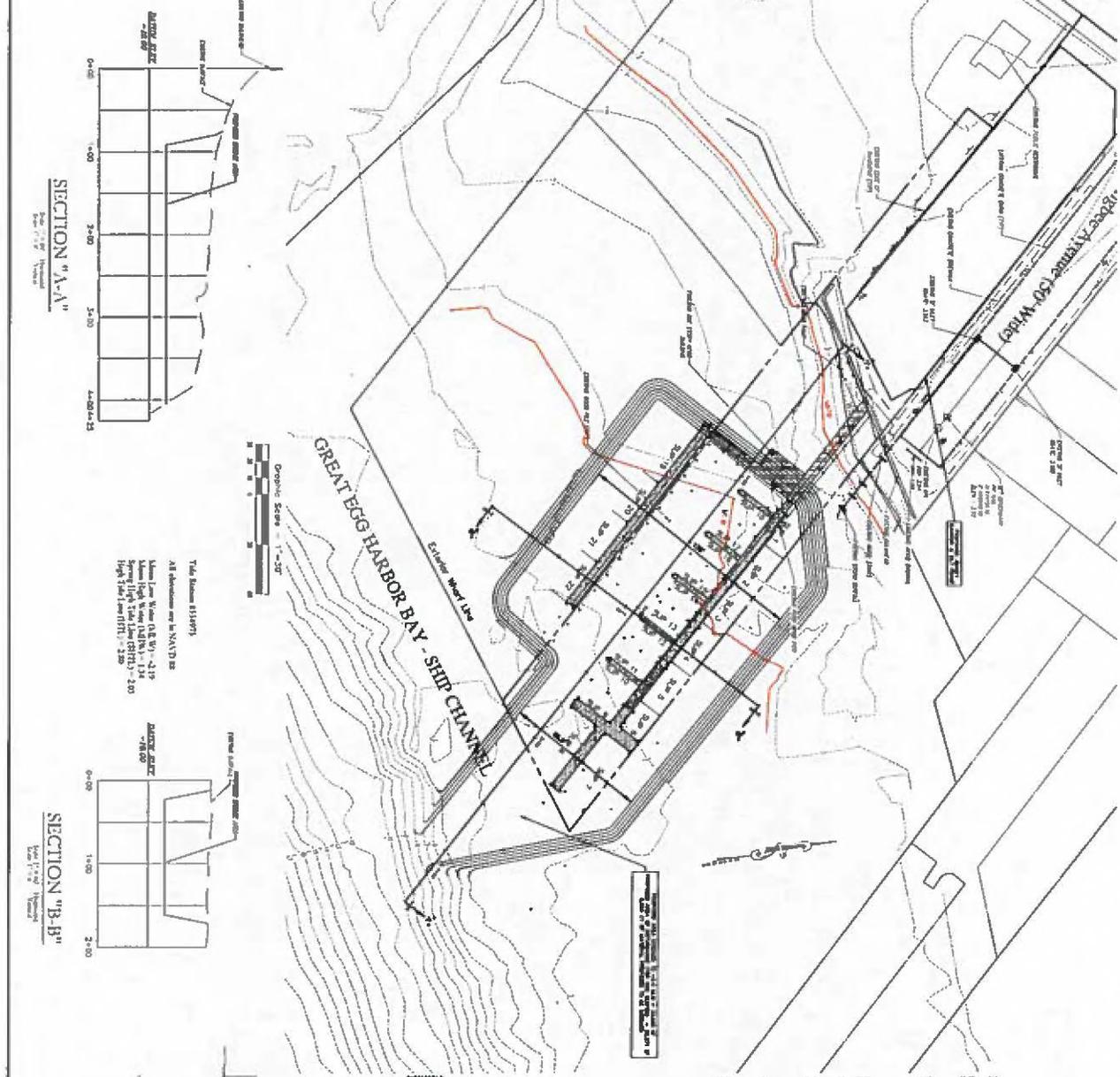
MUTT ASSOCIATES, LLC
 3122 Fry Road
 Egg Harbor Township, New Jersey 08234
 Phone: (856) 388-0551
 Fax: (856) 388-1521

James A. Matt
 Professional Engineer & Land Surveyor
 New Jersey License No. 25818

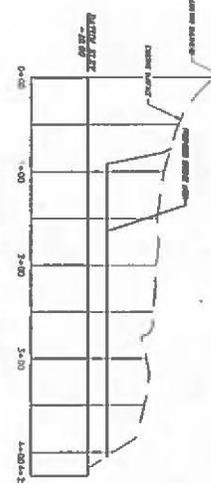
James A. Matt
 Date: 5/1/17

Checked: GKS
 Drawn: GKS
 Calculated: GKS
 Date: 5/1/17

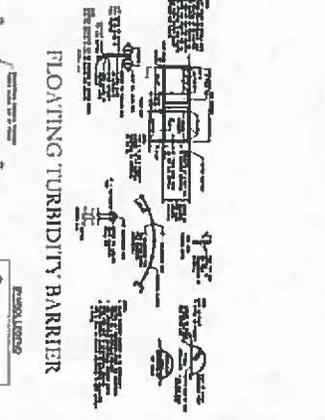
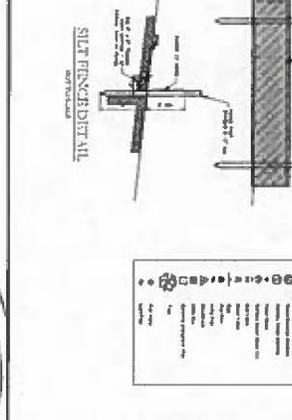
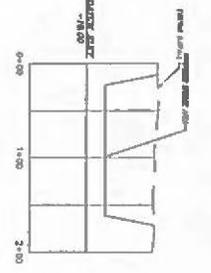
02/18/17	Revised HTL	GKS
11/8/17	Added HTL	GKS
6/28/17	Revised Dock Configuration	GKS
	Date	By



SECTION "A-A"



SECTION "B-B"



DREDGING NOTES

1. All Elevations are in NAVD 88 Datum
2. M/LW is 2.19 NAVD at Station Creek Egg Harbor Bay
3. All elevations are in NAVD 88 Datum
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E-4

City Council
 Jack Glasser, Mayor
 Sean McGuigan, Council President
 Carl D'Adamo
 Howard Dill
 Kirk Gerety
 Ron Meischker
 Dennis Tapp
 James Toto

City of Somers Point

Atlantic County, New Jersey

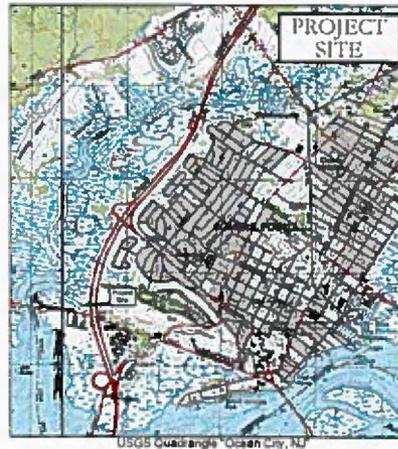
Somers Point Mays Landing Road Resiliency Embankment

City Administrator
 Wes Swain
City Clerk
 Lucy Samuelson, RMC

December 2017

Sheet	Description
1	Cover Sheet
2	Existing Conditions Plan
3	Existing Conditions Plan
4	Existing Conditions Plan
5	Phase I Grading / Site Plan
6	Phase I Grading / Site Plan
7	Phase I Grading / Site Plan
8	Phase I Grading / Site Plan
9	Landscaping Plan
10	Landscaping Plan
11	Landscaping Plan
12	Final Erosion & Sediment Control Plan
13	Details
14	

Utilities Information	
South Jersey Gas	1-800-485-7000
Atlantic City Electric	1-800-433-7178
Verizon Telephony	1-800-437-4966
Comcast Cable	1-800-686-6488
New Jersey American Water Co.	1-800-493-0887
Atlantic County MUA	1-800-272-6500
Somers Point Sanitary Sewer	1-800-617-2558
Lifeline Maritime	1-800-272-1000



Location Map
 Scale: 1" = 2000'

- General Notes**
- The locations of existing utilities shown on this plan are approximate. The Contractor is responsible for verifying the location and depths of all existing subsurface utilities prior to the start of construction. It is also the Contractor's responsibility to obtain a map-out of all existing utilities by calling 1-800-272-1000 prior to any land disturbance.
 - Prior to the start of construction the Contractor shall verify all topographic information for the entire site.
 - The Contractor shall be completely responsible for securing that of easements, encroachments and credits for the construction of the improvements shall conform to the applicable ordinances, regulations, ordinances and standards and the governmental bodies having jurisdiction over such work. The responsibility shall include, but not be limited by the following:
 - Consistency with the approved plans as well as standards and specifications of the municipality.
 - Correction of all defects in the work, no matter what the cause, until the satisfaction and transfer for the period of any guarantee which runs beyond the date of acceptance.
 - Satisfaction of any provision, ordinance or the time of the approval of the plans, which may or may impact the integrity of any improvements, including problems such as high ground water, unstable soil, clay peeler bays, etc.
 - The Contractor shall procure ALL required permits, licenses, inspections, pay all charges and fees and give notices necessary for and incidental to the due and lawful prosecution of the work.
 - The Contractor shall be responsible for all clearing, grubbing, retaining, paving, leveling, finishing and seeding of areas disturbed by his activities, as directed by the Engineer or as shown on the plans.
 - Erosion shall be maintained by the Contractor to retain existing trees, vegetation and natural characteristics of the site when possible.
 - All soil erosion and sediment control measures shall be in accordance with the plans herein and the "Standards for Soil Erosion and Sediment Control in this Jersey".
 - No material shall be placed on any disturbance area until the project properly the or right-of-way without the written permission of the property owners directly involved. Erosion of any such approval must be submitted to the Engineer.
 - The Contractor is responsible for providing traffic control, as directed by the Engineer in accordance with the MUTCD standards and NJDOT Specifications for Road and Bridge Construction 2007, Section 517.
 - Construction details are detailed with this set of plans. Any required detail not included with this set shall come from the NJDOT's "Standard Highway Construction Details" (English Series), revised 2007 and as approved. If there is a conflict between NJDOT Standard Detail and the Details included in this set of plans, the Details included herein shall govern.
 - The Contractor is required to use the site boundaries as shown and to not use ground plane-lines from the previous or adjacent sections.
 - No development, including clearing and land disturbance, is permitted on wetlands or wetland buffers.
 - All material left over from installation and shipping shall remain on site and shall be placed in a location directed by the City Engineer.

MOTT ASSOCIATES, LLC
 CONSULTING ENGINEERS & PLANNERS

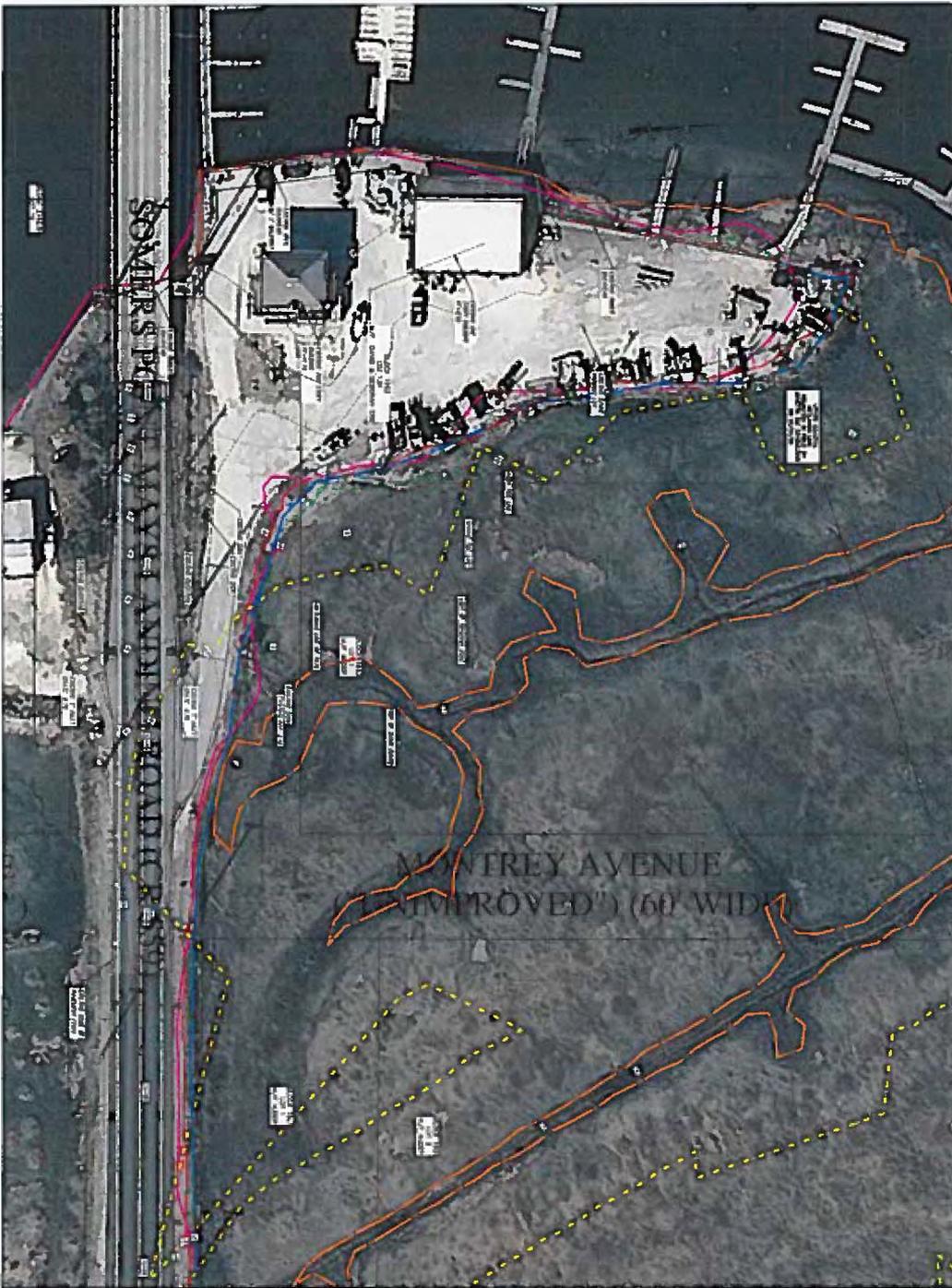
3122 Fire Road
 Egg Harbor Township, New Jersey 08234
 (609) 569-1551

James A. Mott
 Professional Engineer & Land Surveyor
 New Jersey License No. 29918

James A. Mott

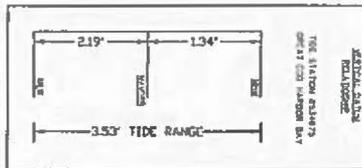
NO.	DESCRIPTION	DATE
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E-5



MATCHLINE - SHEET 3

ILLUSTRATION NOT TO SCALE



- EXISTING UTILITIES**
- Water
 - Sewer
 - Gas
 - Electric
 - Telephone
 - Cable TV
 - Other

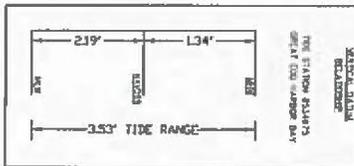
E-6

	City of Somers Point Atlantic County, New Jersey Resiliency Project Existing Conditions	MOTT ASSOCIATES, LLC Professional Engineers & Land Surveyors 11221 River Road Freehold Township, New Jersey 08234 Phone: 908.860.1561 Fax: 908.860.1524 <small>New Jersey Professional Engineer's & Land Surveyors Certificate of Substitution No. 25816</small>	James A. Mott Professional Engineer & Land Surveyor New Jersey License No. 25816	1/7/18 Added additional Survey Information GKS
				12/30/17 Revised per NJDEP / NJAEC Comments GKS
7031.8 2 13	EX-1	Date: 5/1/17	10/20/17 Revised per NJDEP Comments GKS	8/15/17 Revised per NJDEP Comments GKS
		Prepared: GKS Checked: JAM Drawn: JAM Date: 5/1/17	8/2/17 Revised per NJDEP Comments GKS	7/7/17 Revised Embankment Location GKS
			By:	Reviewers:



GARDEN STATE PARKWAY

ILLUSTRATION NOT TO SCALE

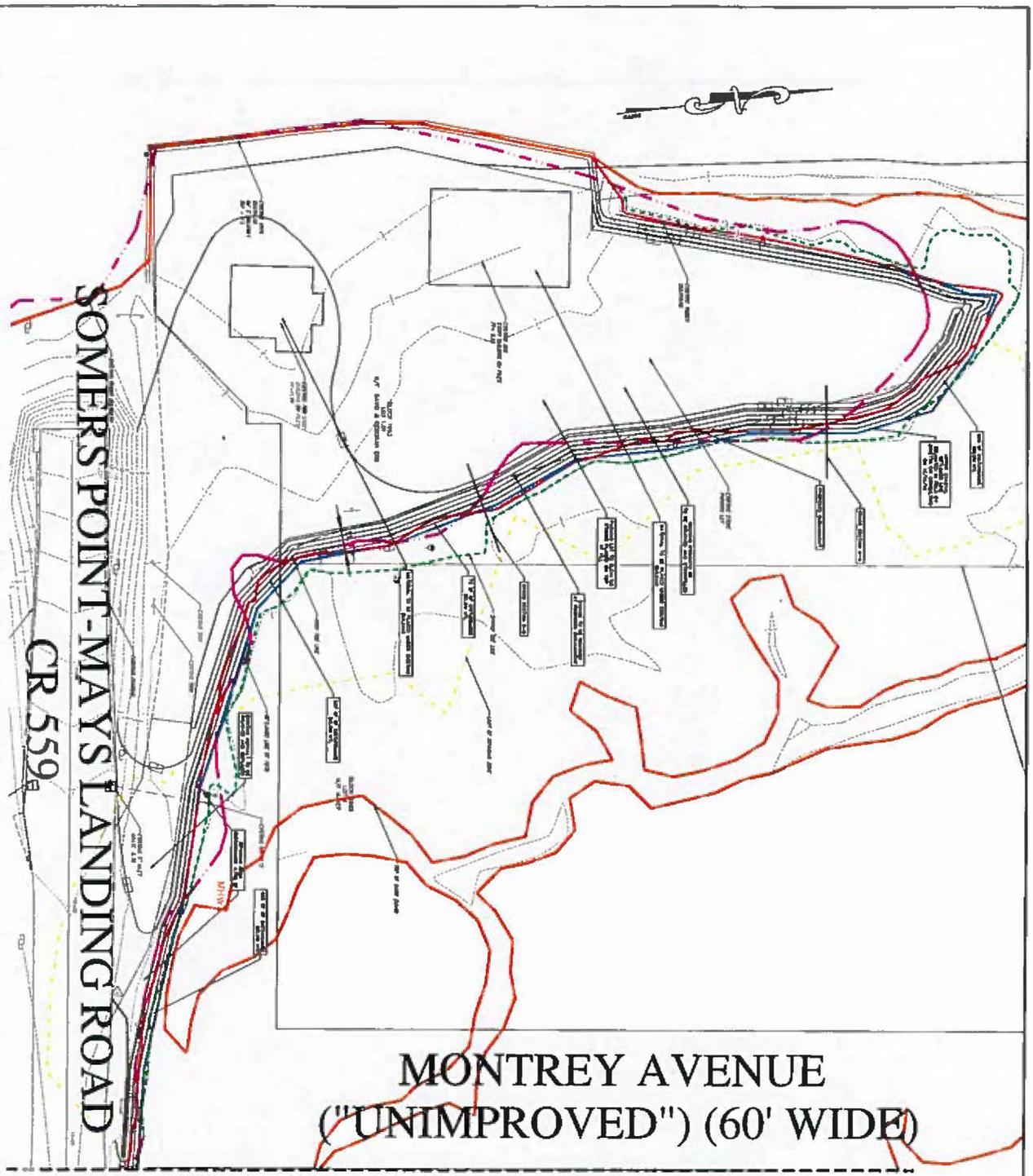


- SYMBOL LEGEND**
- - 1" Diameter
 - - 2" Diameter
 - - 3" Diameter
 - - 4" Diameter
 - - 6" Diameter
 - - 8" Diameter
 - - 10" Diameter
 - - 12" Diameter
 - - 14" Diameter
 - - 16" Diameter
 - - 18" Diameter
 - - 20" Diameter
 - - 24" Diameter
 - - 30" Diameter
 - - 36" Diameter
 - - 42" Diameter
 - - 48" Diameter
 - - 54" Diameter
 - - 60" Diameter
 - - 66" Diameter
 - - 72" Diameter
 - - 78" Diameter
 - - 84" Diameter
 - - 90" Diameter
 - - 96" Diameter
 - - 102" Diameter
 - - 108" Diameter
 - - 114" Diameter
 - - 120" Diameter
 - - 126" Diameter
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 - - 204" Diameter
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 - - 216" Diameter
 - - 222" Diameter
 - - 228" Diameter
 - - 234" Diameter
 - - 240" Diameter
 - - 246" Diameter
 - - 252" Diameter
 - - 258" Diameter
 - - 264" Diameter
 - - 270" Diameter
 - - 276" Diameter
 - - 282" Diameter
 - - 288" Diameter
 - - 294" Diameter
 - - 300" Diameter

All elevations are in NAVD83
 Mean Low Water (MLW) = -2.19
 Mean High Water (MHW) = +1.34
 High Tide Level (HTL) = +2.88

E-8

<p>70318 E-3 13</p>		<p>City of Somers Point Atlantic County, New Jersey Resiliency Project Existing Conditions</p>	<p>MOTT ASSOCIATES, LLC 3122 Ave. Road Egg Harbor Township, New Jersey 08224 Phone: 609 886 1361 Fax: 609 886 7321</p>	<p>James A. Mott Professional Engineer & Land Surveyor New Jersey License No. 25818</p> <p>Date: 5/3/17</p>	<table border="1"> <tr> <td>1/8/18</td> <td>Added additional Survey Information</td> <td>GKS</td> </tr> <tr> <td>1/13/17</td> <td>Revised per NJDEP/INFACT Comments</td> <td>GKS</td> </tr> <tr> <td>10/20/13</td> <td>Revised per NJDEP Comments</td> <td>GKS</td> </tr> <tr> <td>8/13/12</td> <td>Revised per NJDEP Comments</td> <td>GKS</td> </tr> <tr> <td>8/2/11</td> <td>Revised per NJDEP Comments</td> <td>GKS</td> </tr> <tr> <td>2/2/11</td> <td>Revised Embankment Elevation</td> <td>GKS</td> </tr> <tr> <td></td> <td>Revisions</td> <td>Pr</td> </tr> </table>	1/8/18	Added additional Survey Information	GKS	1/13/17	Revised per NJDEP/INFACT Comments	GKS	10/20/13	Revised per NJDEP Comments	GKS	8/13/12	Revised per NJDEP Comments	GKS	8/2/11	Revised per NJDEP Comments	GKS	2/2/11	Revised Embankment Elevation	GKS		Revisions	Pr	<p>Date</p>
1/8/18	Added additional Survey Information	GKS																									
1/13/17	Revised per NJDEP/INFACT Comments	GKS																									
10/20/13	Revised per NJDEP Comments	GKS																									
8/13/12	Revised per NJDEP Comments	GKS																									
8/2/11	Revised per NJDEP Comments	GKS																									
2/2/11	Revised Embankment Elevation	GKS																									
	Revisions	Pr																									



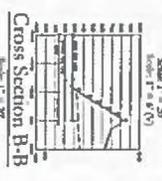
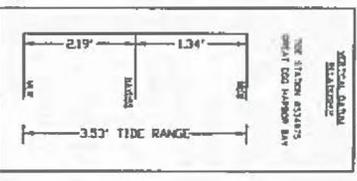
SOMERS POINT-MAYS LANDING ROAD

CR 559

**MONTREY AVENUE
("UNIMPROVED") (60' WIDE)**

MATCHLINE - SHEET 8

ILLUSTRATION NOT TO SCALE



1. The information shown here is based on a survey of the site by James A. Mott & Associates, L.L.C. dated 11/11/11. The survey was conducted in accordance with the standards and practices of the State of New Jersey. The information shown here is for informational purposes only and should not be used for any other purpose without the written consent of James A. Mott & Associates, L.L.C.



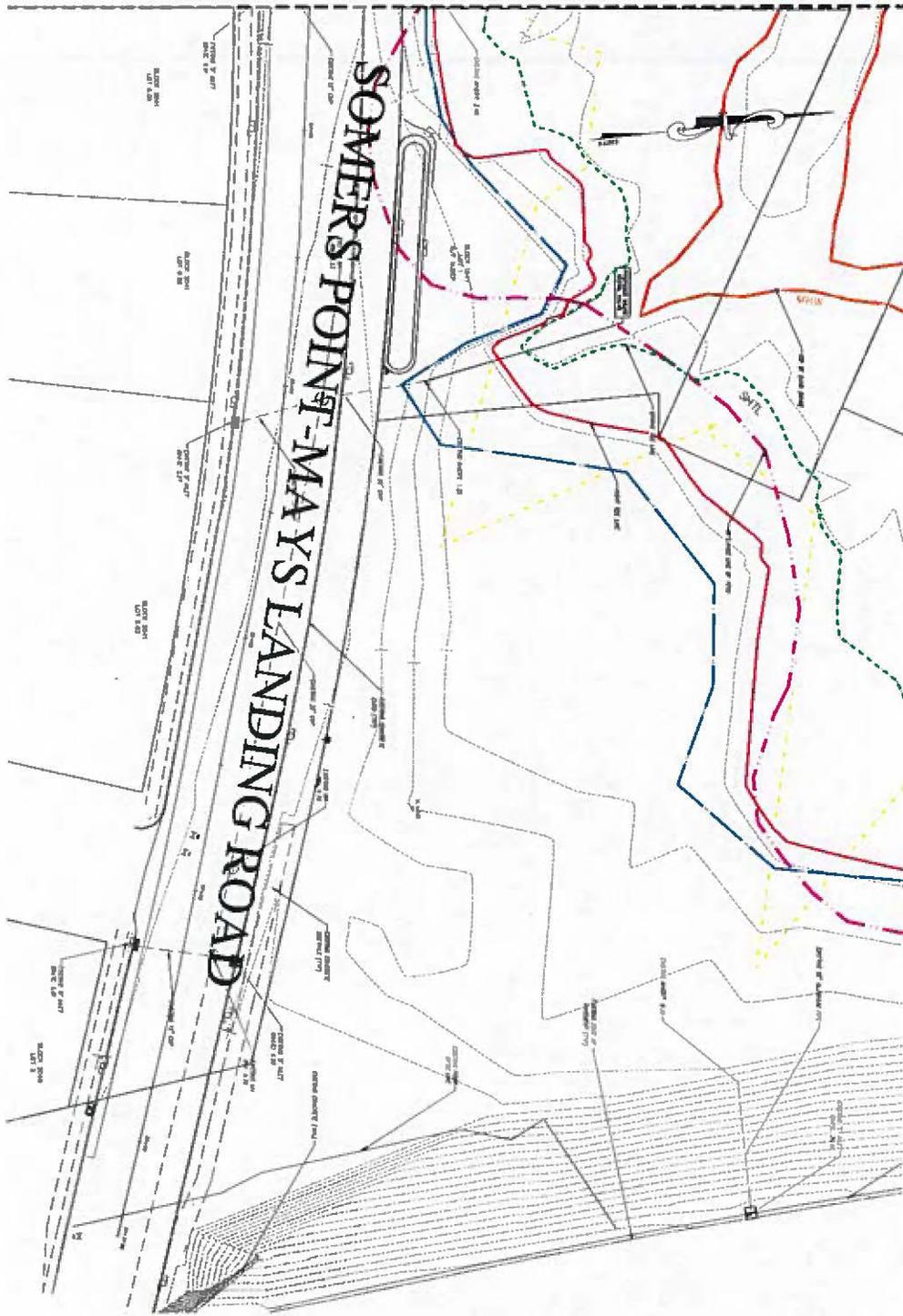
E-9

City of Somers Point
Atlantic County, New Jersey
Resiliency Project
Landing & S&E Plan Phase I

Mott ASSOCIATES, L.L.C.
Professional Engineers & Land Surveyors
New Jersey License No. 20916

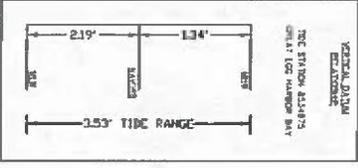
James A. Mott
Professional Engineer & Land Surveyor
New Jersey License No. 20916

Date	Revised by	Revised for	Comments	CRS
1/9/18	JAM	Final	Final	CRS
12/25/17	JAM	Final	Final	CRS
11/27/17	JAM	Final	Final	CRS
10/20/17	JAM	Final	Final	CRS
8/15/17	JAM	Final	Final	CRS
6/27/17	JAM	Final	Final	CRS
3/7/17	JAM	Final	Final	CRS



SOMERS POINT - MAYS LANDING ROAD

ILLUSTRATION NOT TO SCALE



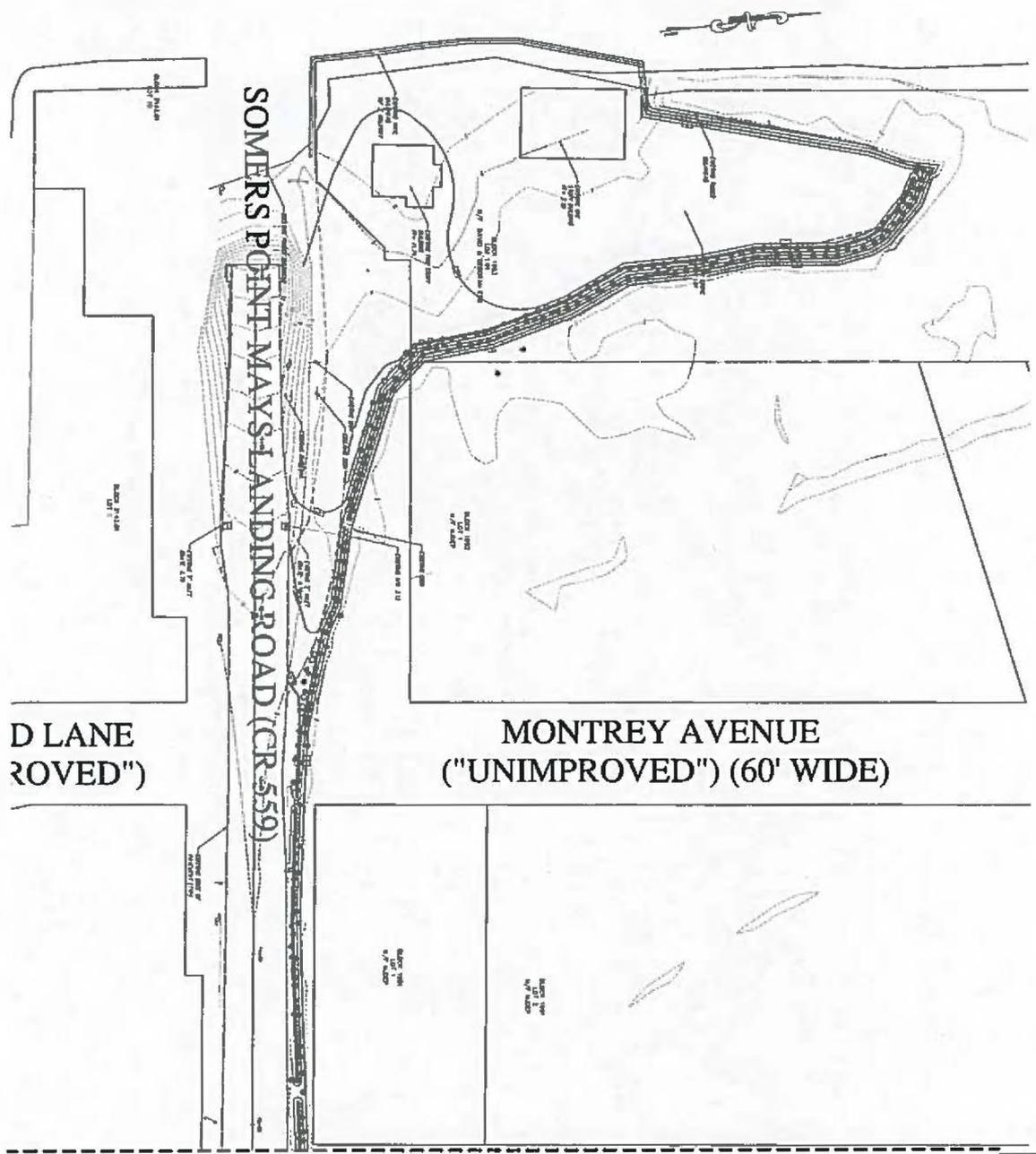
- EXHIBIT LEGEND**
- Proposed Right-of-Way
 - Proposed Easement
 - Proposed Utility
 - Proposed Structure
 - Proposed Road
 - Proposed Lot
 - Proposed Easement
 - Proposed Utility
 - Proposed Structure
 - Proposed Road
 - Proposed Lot

TAB SHEETS 03-071
 ALL dimensions per MVD 88
 Station Line Water Old SW - 219
 Station Line Water Old SW - 134
 High Tide (MVD) = 2.91
 High Tide (OTL) = 2.80

1. The information herein should be used only for the purposes intended. It is not to be construed as a warranty or representation of any kind.
 2. All dimensions are in feet and inches unless otherwise noted.
 3. All dimensions are to the centerline of the proposed road unless otherwise noted.
 4. All dimensions are to the centerline of the proposed easement unless otherwise noted.
 5. All dimensions are to the centerline of the proposed utility unless otherwise noted.
 6. All dimensions are to the centerline of the proposed structure unless otherwise noted.
 7. All dimensions are to the centerline of the proposed lot unless otherwise noted.
 8. All dimensions are to the centerline of the proposed easement unless otherwise noted.
 9. All dimensions are to the centerline of the proposed utility unless otherwise noted.
 10. All dimensions are to the centerline of the proposed structure unless otherwise noted.

E-12

	City of Somers Point Atlantic County, New Jersey Resiliency Project Grading & Site Plan Phase II	MOTT ASSOCIATES, L.L.C. 7922 East Road Egg Harbor Township, New Jersey 08234 Phone: (609) 985-1581 Fax: (609) 985-1571	James A. Mott Professional Engineer & Land Surveyor New Jersey License No. 29918 	1/18/18 Revised per ALDEP/ASAP/ Comments GKS	2/2/17 Revised per ALDEP/ASAP/ Comments GKS	10/20/17 Revised per ALDEP/ASAP/ Comments GKS	8/15/17 Revised per ALDEP/ASAP/ Comments GKS	8/2/17 Revised per ALDEP/ASAP/ Comments GKS	2/2/17 Revised per ALDEP/ASAP/ Comments GKS
				Date: 8/2/17	Date: 8/2/17	Date: 8/2/17	Date: 8/2/17	Date: 8/2/17	



D LANE
ROVED")

MONTREY AVENUE
("UNIMPROVED") (60' WIDE)

MATCHLINE - SHEET 10

SYMBOL	DESCRIPTION	QUANTITY
1	Asphalt Paving	1,000 SF
2	Gravel	1,000 SF
3	Concrete	1,000 SF
4	Structural Steel	1,000 SF
5	Rebar	1,000 SF
6	Formwork	1,000 SF
7	Excavation	1,000 SF
8	Backfill	1,000 SF
9	Grass	1,000 SF
10	Planting	1,000 SF
11	Lighting	1,000 SF
12	Signage	1,000 SF
13	Other	1,000 SF

NOTES:

1. All dimensions are in feet and inches.
2. All elevations are in feet above mean sea level.
3. The proposed road layout is shown in solid lines.
4. The existing road layout is shown in dashed lines.
5. The proposed easements are shown in dotted lines.
6. The proposed utility easements are shown in long-dashed lines.
7. The proposed drainage easements are shown in short-dashed lines.
8. The proposed utility easements are shown in long-dashed lines.
9. The proposed drainage easements are shown in short-dashed lines.
10. The proposed utility easements are shown in long-dashed lines.
11. The proposed drainage easements are shown in short-dashed lines.
12. The proposed utility easements are shown in long-dashed lines.
13. The proposed drainage easements are shown in short-dashed lines.

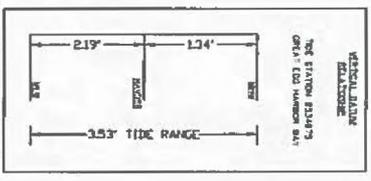


ILLUSTRATION NOT TO SCALE

Table 811-1.1
 All dimensions are in feet and inches.
 All elevations are in feet above mean sea level.
 The proposed road layout is shown in solid lines.
 The existing road layout is shown in dashed lines.
 The proposed easements are shown in dotted lines.
 The proposed utility easements are shown in long-dashed lines.
 The proposed drainage easements are shown in short-dashed lines.
 The proposed utility easements are shown in long-dashed lines.
 The proposed drainage easements are shown in short-dashed lines.
 The proposed utility easements are shown in long-dashed lines.
 The proposed drainage easements are shown in short-dashed lines.



E-13



City of Somers Point
 Atlantic County, New Jersey
Resiliency Project
 Landscaping Plan

MOTT ASSOCIATES, LLC
 2122 Free Road
 Egg Harbor Township, New Jersey 08242
 Phone: (856) 889-1111
 Fax: (856) 889-1122

James A. Mott
 Professional Engineer & Land Surveyor
 New Jersey License No. 22816

12/30/11
 10/20/11
 6/15/11
 8/2/11
 7/7/11

DATE	REVISION	BY
12/30/11	Revised per NJDEP/ASLACK E-mail request	GKS
10/20/11	Revised per NJDEP Comments	GKS
6/15/11	Revised per NJDEP Comments	GKS
8/2/11	Revised per NJDEP Comments	GKS
7/7/11	Revised Embankment Location	GKS

MEADLAND AVENUE
("UNIMPROVED") (60' WIDE)

VICTORIA AVENUE
("UNIMPROVED") (60' WIDE)

WOODLAWN AVENUE
("UNIMPROVED") (60' WIDE)

WILLOW AVENUE

SOMERS POINT-WAYS LANDING ROAD (CR 529)

NO.	REVISION	DATE
1	Initial Design	07/17/17
2	Revised per NJDEP Comments	08/01/17
3	Revised per NJDEP Comments	08/15/17
4	Revised per NJDEP Comments	09/22/17
5	Revised per NJDEP Comments	10/13/17

GENERAL NOTES:

1. This plan was prepared in accordance with the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27, and the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1.
2. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.
3. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.
4. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.
5. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.

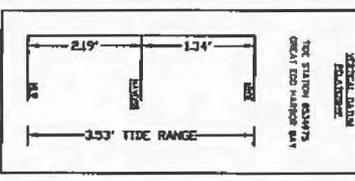


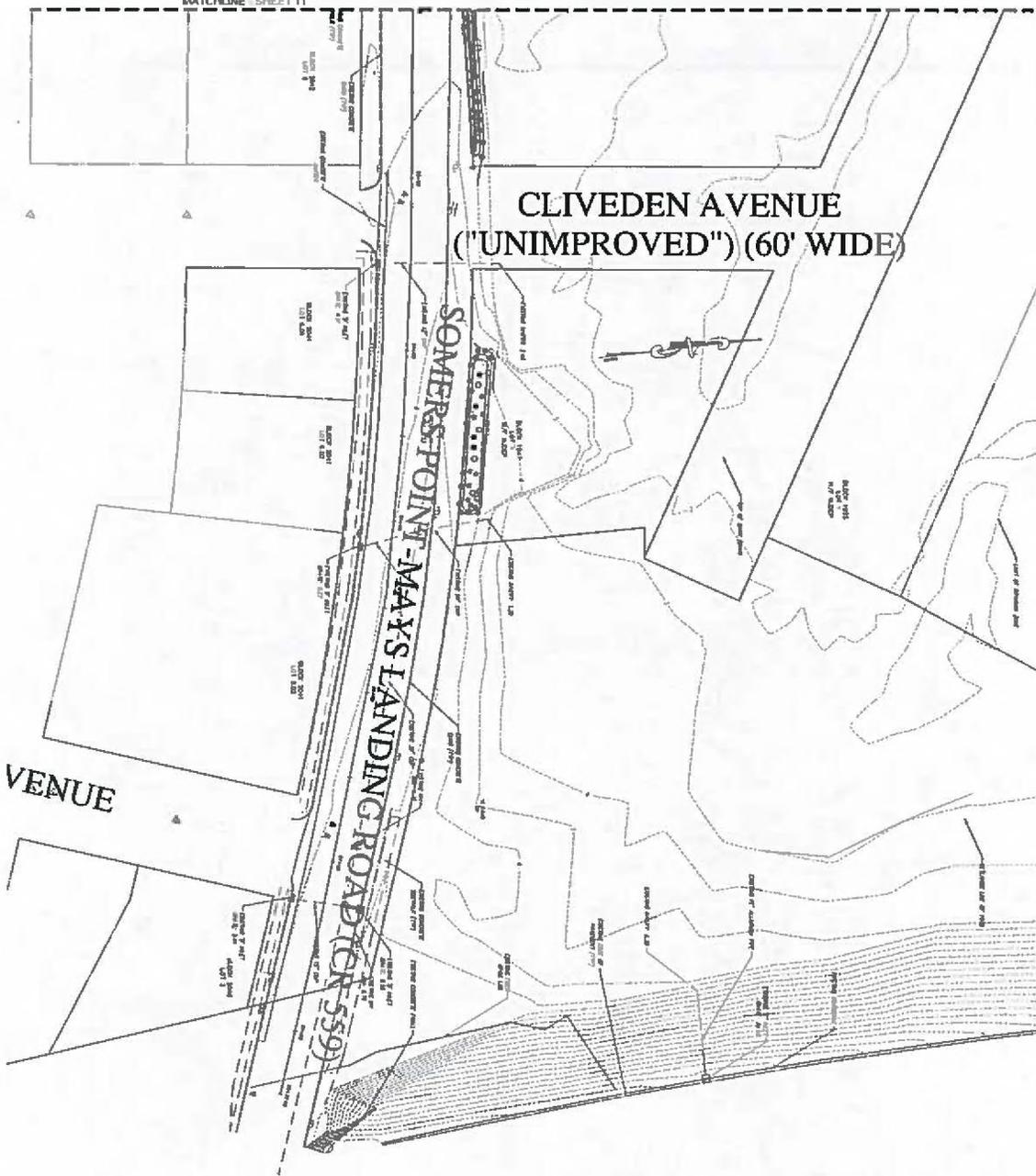
ILLUSTRATION NOT TO SCALE

GENERAL NOTES:

1. All dimensions are in feet.
2. Stationing is given in stationing.
3. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.
4. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.
5. The proposed project is subject to the provisions of the Somers Point Local Ordinance, N.J.A.C. 17:27.1, and the provisions of the New Jersey Statewide Uniform Land Use Ordinance, N.J.A.C. 17:27.

E-14

<p>SOMERS POINT NEW JERSEY</p>	<p>City of Somers Point Atlantic County, New Jersey Resiliency Project Landscaping Plan</p>	<p>MOTT ASSOCIATES, LLC CONSULTING ENGINEERS & PLANNERS 1922 Bay Road Egg Harbor Township, New Jersey 08254 Phone: (609) 986-1784 Fax: (609) 986-1783</p>	<p>James A. Mott Professional Engineer & Land Surveyor New Jersey License No. 22061</p> <p><i>J. Mott</i></p> <p>Date: 3/1/17</p>	<p>12/20/17 12/20/17 07/15/17 07/15/17 07/15/17</p>	<p>Revised per NJDEP Comments Revised per NJDEP Comments Revised per NJDEP Comments Revised per NJDEP Comments Revised per NJDEP Comments</p>	<p>OKS OKS OKS OKS OKS</p>
				<p>7/20/16 10/13/17</p>	<p>OKS OKS OKS OKS OKS</p>	



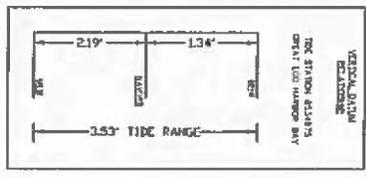
**CLIVEDEN AVENUE
("UNIMPROVED") (60' WIDE)**

SOMERS POINT - MAYS LANDING ROAD (R.D. 559)

GARDEN STATE PARKWAY

VENUE

ILLUSTRATION NOT TO SCALE



**THE STATION 25+00.00
VERTICAL CURVE
DATA**

Vertical Curve Data:
 Station 25+00.00
 Length 219.00
 Grade 1.34%
 High Tide Level (8.57') = 2.19'
 Mean High Tide Level (8.81') = 1.34'
 Low Tide Level (5.34') = -2.81'
 High Tide Level (8.57') = 2.19'



STATION	VERTICAL CURVE	GRADE	VERTICAL CURVE	VERTICAL CURVE
25+00.00	2.19'	1.34%	1.34%	1.34%
25+05.00	2.19'	1.34%	1.34%	1.34%
25+10.00	2.19'	1.34%	1.34%	1.34%
25+15.00	2.19'	1.34%	1.34%	1.34%
25+20.00	2.19'	1.34%	1.34%	1.34%
25+25.00	2.19'	1.34%	1.34%	1.34%
25+30.00	2.19'	1.34%	1.34%	1.34%
25+35.00	2.19'	1.34%	1.34%	1.34%
25+40.00	2.19'	1.34%	1.34%	1.34%
25+45.00	2.19'	1.34%	1.34%	1.34%
25+50.00	2.19'	1.34%	1.34%	1.34%
25+55.00	2.19'	1.34%	1.34%	1.34%
25+60.00	2.19'	1.34%	1.34%	1.34%
25+65.00	2.19'	1.34%	1.34%	1.34%
25+70.00	2.19'	1.34%	1.34%	1.34%
25+75.00	2.19'	1.34%	1.34%	1.34%
25+80.00	2.19'	1.34%	1.34%	1.34%
25+85.00	2.19'	1.34%	1.34%	1.34%
25+90.00	2.19'	1.34%	1.34%	1.34%
25+95.00	2.19'	1.34%	1.34%	1.34%
26+00.00	2.19'	1.34%	1.34%	1.34%

NOTES:

1. This plan shows the proposed location of the 60-foot wide unimproved road along Cliveden Avenue.
2. The proposed road is shown in a dashed line.
3. The existing road is shown in a solid line.
4. The proposed road is shown in a dashed line.
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E-15

<p>CITY OF SOMERS POINT NEW JERSEY</p>	<p>City of Somers Point Atlantic County, New Jersey</p>	<p>MOTT ASSOCIATES, L.L.C. Professional Engineers & Land Surveyors New Jersey License No. 28818</p>	<p>James A. Mott Professional Engineer & Land Surveyor New Jersey License No. 28818</p>	<p>11/30/11</p>	<p>Revised per NJDEP/ASAC/CL Comments</p>	<p>CKS</p>
	<p>Resiliency Project</p>			<p>10/20/11</p>	<p>Revised per NJDEP Comments</p>	<p>CKS</p>
	<p>Landscaping Plan</p>			<p>8/23/11</p>	<p>Revised per NJDEP Comments</p>	<p>CKS</p>
	<p>5/7/11</p>			<p>Revised per NJDEP Comments</p>	<p>CKS</p>	
	<p>7/7/11</p>			<p>Revised Final Approval Location</p>	<p>CKS</p>	

