

PUBLIC NOTICE

US Army Corps
of Engineers
New York District
Jacob K. Javits Federal Building
New York, N.Y. 10278-0090
ATTN: Regulatory Branch

In replying refer to:

Public Notice Number: NAN-2016-00635-WCA

Issue Date: **August 1, 2016**

Expiration Date: **August 30, 2016**

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Town of Secaucus
Municipal Building
1203 Paterson Plank Road
Secaucus, New Jersey 07094

ACTIVITY: Maintain as constructed a 12 slip public safety marina and perform maintenance dredging activities with upland disposal; excavate accumulated sediments from three (3) adjacent unnamed drainage ditches with upland disposal, and remove an existing deteriorated timber barge and its associated pier and piles.

WATERWAY: Hackensack River

LOCATION: Town of Secaucus, Hudson County, New Jersey.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

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ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various life stages of some EFH-designated species. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occurs. For activities within the coastal zone of New Jersey State, the applicant's certification and accompanying information is available from

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the New Jersey Department of Environmental Protection, Coastal Management Program, P.O. Box 418, 401 E. State Street, Trenton, NJ, 08625, Telephone (609) 633-2201. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- (New Jersey Department of Environmental Protection Waterfront Development Permit)

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8412 and ask for Jim Cannon.

In order for us to better serve you, please complete our Customer Service Survey located at <http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>.


For: Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, the Town of Secaucus, has requested Department of the Army authorization to maintain as constructed, an existing 12 slip public safety marina, and perform new dredging activities with upland disposal within the marina. Additional activities would include excavating accumulated sediments from three (3) unnamed ditches with upland disposal, and remove an existing deteriorated timber barge from the waterway.

The applicant has stated that current navigation access to the marina is limited based on damage caused by Hurricane Sandy; accumulated sediments within the marina, and the existing remnants of a deteriorated timber barge. Funding for the project is provided by the Federal Emergency Management Agency, and a Coastal Resiliency Grant from the National Fish and Wildlife Federation. The project site is located within the Hackensack River, in the Town of Secaucus, Hudson County, New Jersey.

The proposed work would involve the following regulated activities:

Public Safety Marina Activities: The 12 slip public safety marina is utilized by the Town of Secaucus to berth police, fire, Coast Guard, and rescue vessels for emergency waterborne operations. The proposed marina rehabilitation activities would include the reconstruction of a 107-foot long by 4-foot wide and four (4) various sized floating finger piers (two (2) 25-foot long by 4-foot wide, one (1) 29-foot long by 4-foot wide, and one (1) 41-foot long by 4-foot wide). The main timber floating pier would be supported by fifteen (15) 12-inch diameter timber piles. An associated 15-foot long by 5-foot wide aluminum access ramp supported by an 81-foot long by 4-foot wide floating pier would allow access to the marina slips. The aluminum access ramp and access floating pier would be supported by five (5) 12-inch diameter timber piles and secured to uplands by a wooden stationary deck (18-foot long by 6-foot wide) and ramp (15 foot long by 5-foot wide). The marina would accommodate vessels up to 41 feet in length. No sewage pump out facility is proposed. No fuel dispensing facility is proposed. The public safety marina is situated approximately 200 feet from the Federal Navigation Channel of the Hackensack River.

Marina Dredging Activities: Dredge, using an environmental bucket with upland disposal, approximately 2,400 cubic yards of sediment to elevation -15 feet below the plane of Mean Low Water (MLW) North American Vertical Datum, 1988 (NAVD, 1988), with 2-foot over dredge, from an 11,292 square foot area within the marina. The dredged material would be loaded into sealed barges, and the decanting of excess water would be performed in accordance with the requirement of the water quality certificate issued by the New Jersey Department of Environmental Protection for the project. The applicant intends to seek an Acceptable Use Determination from the New Jersey Department of Environmental Protection Office of Dredging and Sediment Technology in order to dispose of the dredged material at the state approved upland site. Temporary turbidity curtains would be installed around the marina dredge area to minimize turbidity impacts to the water way.

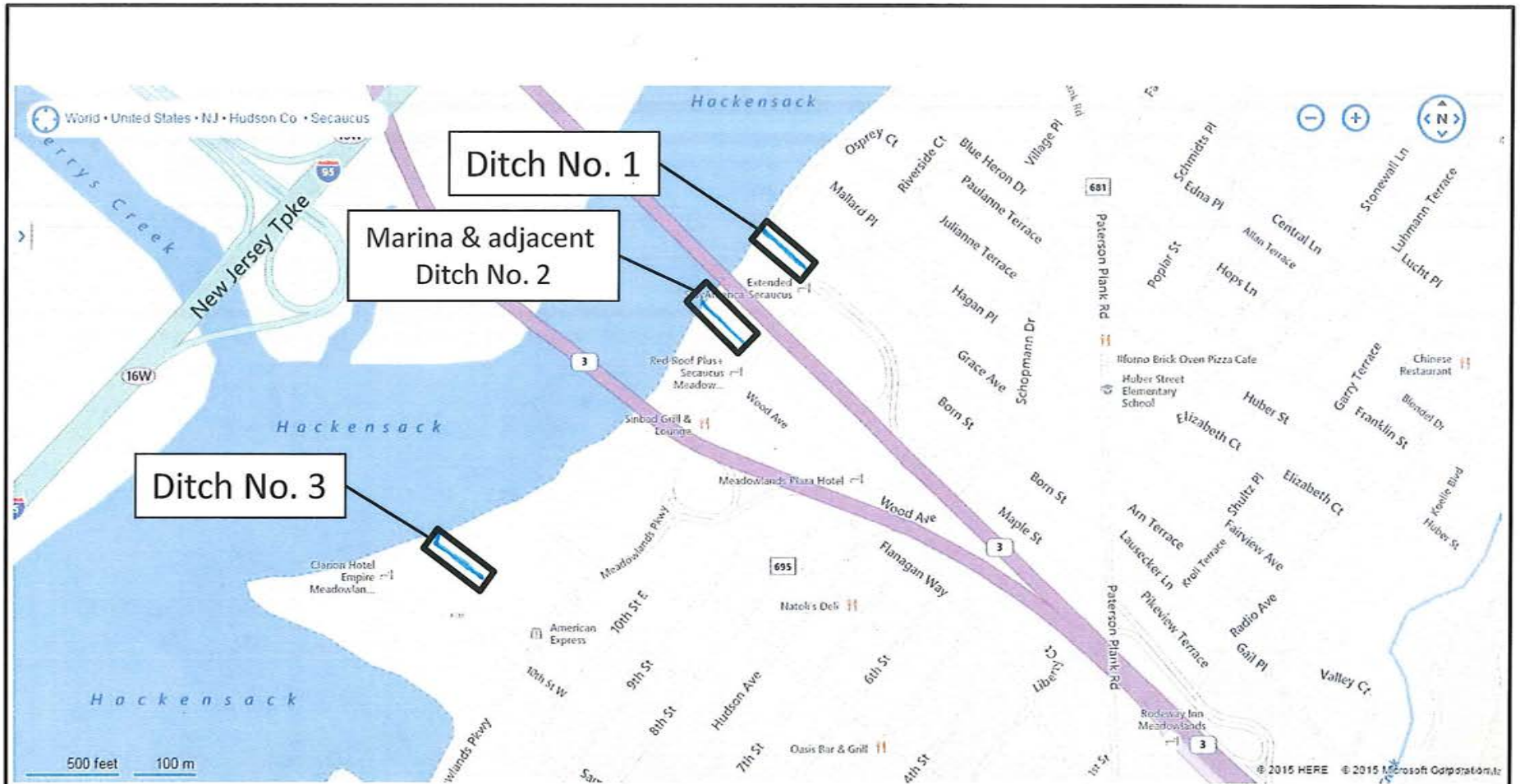
Ditch Sediment Excavation Activities: Excavate accumulated sediments from three (3) unnamed ditches that drain to the Hackensack River, and that are located adjacent to the Town's public safety marina. Accumulated sediments excavated from each ditch would be performed using a land based excavator, and the excavated sediments would be loaded onto lined trucks for disposal at a state approved upland site. No return flow to the waterway from the excavation activities is proposed. Approximately 480 cubic yards of sediment would be excavated from a 350 linear foot portion of Ditch 1; approximately 350 cubic yards of sediment would be excavated from a 308 linear foot portion of Ditch 2, and approximately 330 cubic yards of sediment would be excavated from a 325 linear foot portion of Ditch 3. Two (2) tide flex valves would be installed on two existing outfall structures that discharge to Ditch 3. Minor planting, by hand, of hydrophytic

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vegetation would take place above the Mean High Water elevation (2.82 feet North American Vertical Datum, 1988) along a portion of Ditches 1 and 2.

Barge Removal Activities: The remains of a deteriorated 90-foot long by 30-foot wide timber barge and seventeen (17) timber piles associated with the barge pier structure would be removed from the waterway and disposed of at a state approved upland site.

The project purpose as stated by the applicant is to maintain as constructed, the Town of Secaucus public safety marina, and ensure continued safe navigation access to the emergency vessels that will be utilizing it. The applicant stated that the three ditches are part of the Town's storm water system, and the purpose of the accumulated sediment removal from the ditches is to ensure that storm water can move out of the developed river front portion of the Town, to the Hackensack River. The applicant additionally stated that the accumulated sediments within the ditches needs to be removed in order for the ditches to function properly.



Secaucus Ditches and Marina Restoration
 Road Map via Bing Maps

HACKENSACK RIVER

NEW JERSEY STATE

MATCHLINE "A"
MATCHLINE "A"

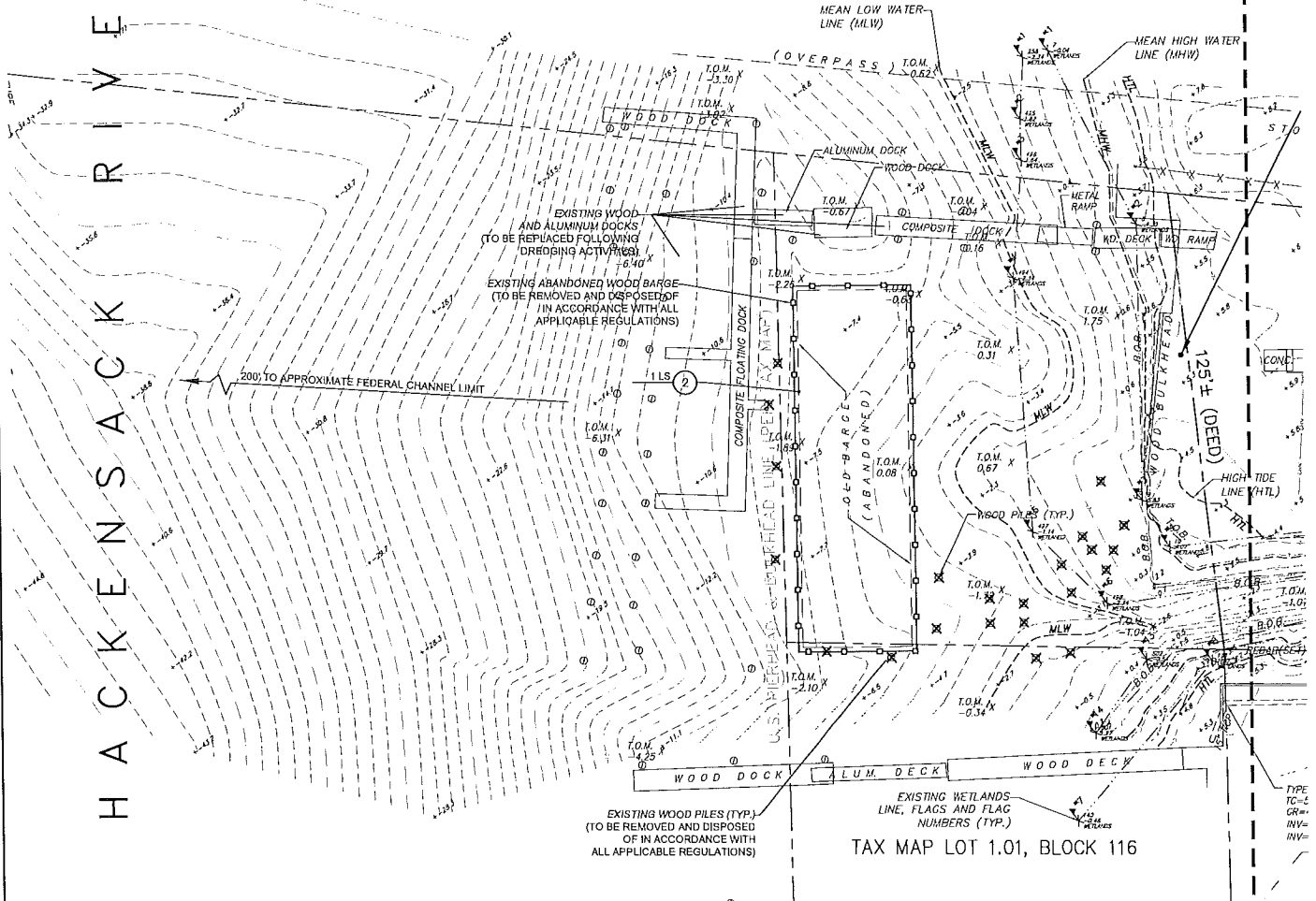


Figure 2 of 11

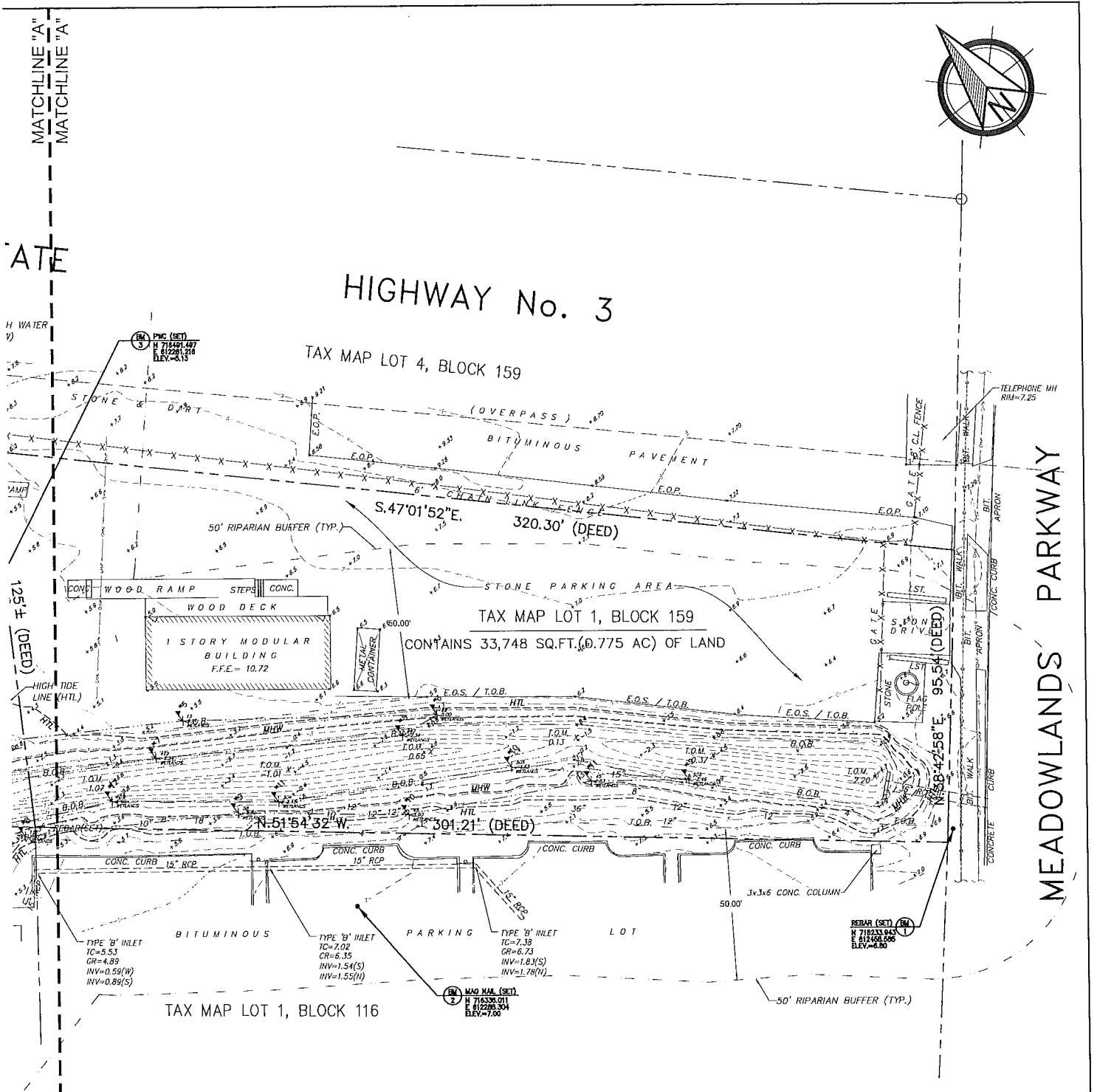
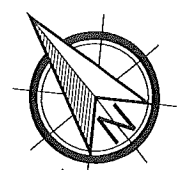
EXISTING TOPOGRAPHIC CONDITION
SCALE: 1" = 20'-0"

TO BE DEMOLISHED - MARINA			
ITEM NO.	DESCRIPTION	UNIT	EST. QTY.
2	BARGE REMOVAL	LS	1

- INDICATES LOCATIONS OF EXISTING PILE ⊙
- INDICATES LIMITS OF BARGE REMOVAL ○—○
- INDICATES LOCATIONS OF EXISTING PILE (TO BE REMOVED) ×

EXISTING CONDITIONS AND DEMOLITION LEGEND
SCALE: 1" = 20'-0"

MATCHLINE "A"
MATCHLINE "A"



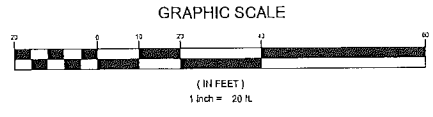
MEADOWLANDS PARKWAY

Figure 3 of 11

CONDITIONS AND DEMO PLAN
SCALE: 1" = 20'-0"

DEMOLITION NOTES

1. NO SEPARATE PAYMENT FOR THE REMOVAL / REINSTALLATION OF ANY DOCKING / STRUCTURES AND NO SEPARATE PAYMENT FOR PILE REMOVAL.



ALL DOCUMENTS PREPARED BY REMINGTON, VERNICK & ARANGO ENGINEERS ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT.

ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON, VERNICK & ARANGO ENGINEERS FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL CONSEQUENCE TO REMINGTON, VERNICK & ARANGO ENGINEERS AND OWNER SHALL INDemnIFY AND HOLD HARMLESS REMINGTON, VERNICK & ARANGO ENGINEERS FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

PLANS WHICH DO NOT BEAR AN ENGRAVED SEAL ARE NOT VALID.

DWG FILE PATH:
S:\Secaucus\09091151 - Secaucus Marina Dredging\Engineering & Design\CAD & Drawings

1	PER USACE COMMENTS	6/29/16	PW	RCG
NO.	REVISION	DATE	BY	CHK. BY

EXISTING TOPOGRAPHIC CONDITIONS AND DEMO PLAN

MARINA DREDGING AND BARGE REMOVAL PROJECT
TOWN OF SECAUCUS, HUDSON COUNTY, NEW JERSEY

DATE: 2/16/2016
RICHARD G. ARANGO
NJ PROFESSIONAL ENGINEER L.E. NO. 38882

DATE: 2/16/16
CHARLES ADAMSON
NJ PROFESSIONAL LAND SURVEYOR L.C. NO. 42827

RY & A
REMINGTON, VERNICK & ARANGO ENGINEERS
300 PENHORN AVENUE, 3RD FLOOR, SECAUCUS, NJ 07094
(201) 624-2137, FAX (201) 624-2136, WEB SITE ADDRESS: WWW.RVE.COM
Certificate of Authorization: 24 GA 28003800

SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET. NO.
1"=20'	02-2016	P.A.W.	P.A.W./T.M.	R.G.A.	05091151	3 OF 7

DWG. NAME:
S-09091151.dwg

MATCHLINE "A"
MATCHLINE "A"

ATE

H WATER

125'± (DEED)

HIGH TIDE LINE (HTL)

TAX MAP LOT 1, BLOCK 116

HIGHWAY No. 3

TAX MAP LOT 4, BLOCK 159

TAX MAP LOT 1, BLOCK 159
CONTAINS 33,748 SQ.FT.(0.775 AC) OF LAND

TAX MAP LOT 1, BLOCK 116

TELEPHONE MH
RIM=7.25

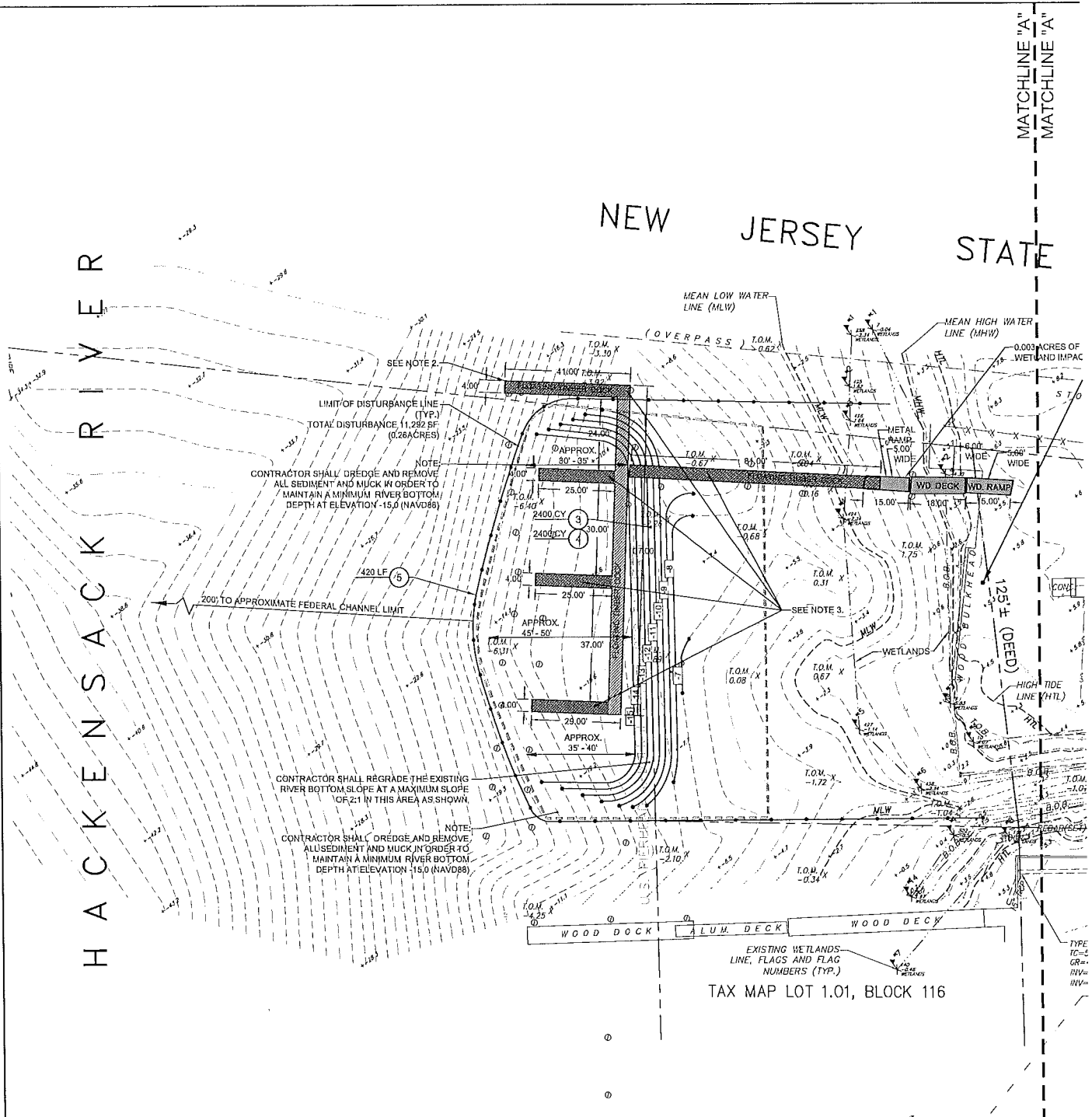
REBAR (SET)
H 718233 043
E 612456 555
ELEV=6.90

MAD NAL (SET)
H 716338 011
E 612268 504
ELEV=7.00

PKC (SET)
H 718491 497
E 612281 218
ELEV=6.15

HACKENSACK RIVER

NEW JERSEY STATE



GENERAL NOTES:

- 1) CONTRACTOR SHALL ACCESS AREA TO BE DREDGED WITH LITTLE TO NO DISTURBANCE TO THE EXISTING WOODEN PILES NOT BEING PERMANENTLY REMOVED.
- 2) ALL EXISTING DOCKING STRUCTURES TO BE REMOVED PRIOR TO INITIATION OF DREDGING ACTIVITIES, AND REPLACED WITH NJDEP USAGE COMPLIANT DOCKING STRUCTURES UPON COMPLETION OF THE DREDGING AND CLEARING ACTIVITIES.
- 3) EXISTING DOCKING STRUCTURES, DETERMINED TO BE UNPERMITTED STRUCTURES BY THE NJDEP BUREAU OF TIDELANDS MANAGEMENT, THESE STRUCTURES TO BE LEGALIZED THROUGH APPLICABLE PERMITTING PROCEDURES.

SURVEY REFERENCE NOTES:

1. THE HORIZONTAL DATUM IS BASED ON NAD-1983 (GRID COORDINATES) AND THE VERTICAL DATUM IS BASED ON NAVD-1988 (ADD 1.00' TO THESE ELEVATIONS TO CONVERT TO NGVD-1929 DATUM)
2. EXISTING TOPOGRAPHIC CONDITIONS WERE SURVEYED BY REMINGTON & VERNICK ENGINEERS UNDER THE SUPERVISION OF CHARLES E. ADAMSON, N.J.P.L.S. LICENSE NO. 42627. THE SURVEY WORK WAS COMPLETED ON APRIL 7, 2015.
3. DEED TO TOWN OF SECAUCUS DATED MARCH 15, 2006 AND RECORDED IN DEED BOOK 7850, PAGE 265 (LOT 1, BLOCK 159).
4. DEED TO FAW RRI LLC DATED AUGUST 25, 2011 AND RECORDED IN DEED BOOK 8819 PAGE 779 (LOT 1, BLOCK 116).
5. DEED TO BREESA P PORTFOLIO LLC DATED JULY 11, 2005 AND RECORDED IN DEED BOOK 7809, PAGE 165 (LOT 2, BLOCK 159).
6. THE CURRENT TAX MAPS OF THE TOWN OF SECAUCUS, HUDSON COUNTY, NEW JERSEY.
7. THE ENTIRE LOT SUBJECT TO A 5 YEAR LEASE, GRANTED APRIL 13, 1988 (PER TAX MAP).

TO BE CONSTRUCTED - MARINA

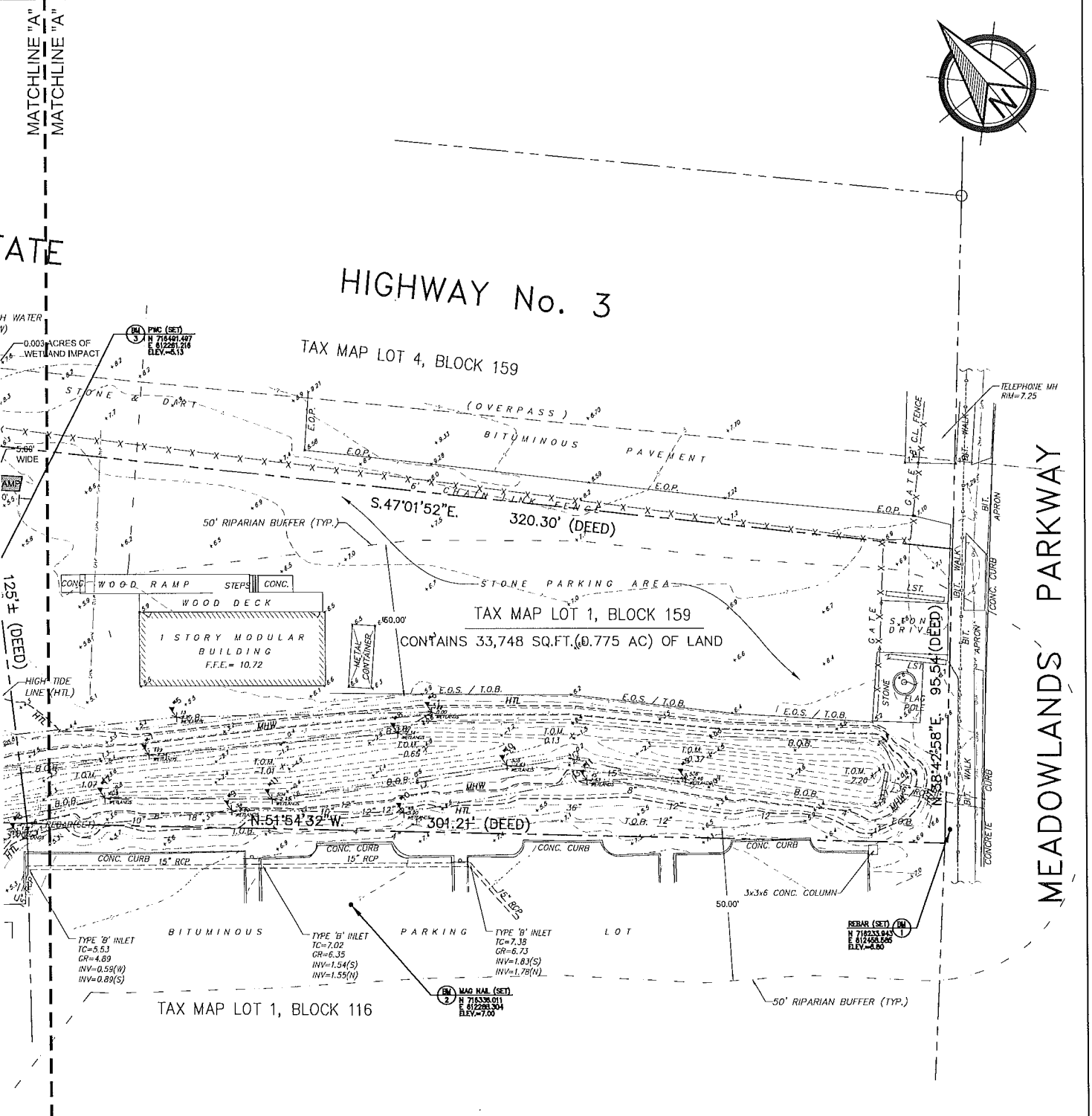
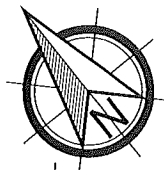
ITEM NO.	DESCRIPTION	UNIT	EST. QTY.
3	EXCAVATION	CY	2400
4	UPL AND DISPOSAL	CY	2400
5	FLOATING TURBIDITY BARRIER, TYPE I	LF	420

Figure 4 of 11

SITE PLAN
SCALE: 1" = 20'-0"

MATCHLINE "A" MATCHLINE "A"

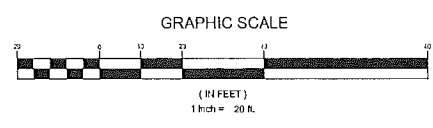
MATCHLINE "A" MATCHLINE "A"



SITE PLAN
SCALE: 1" = 20'-0"

Figure 5 of 11

MATCHLINE "A"
MATCHLINE "A"



NO.	PER USAGE COMMENTS	DATE	BY	CHK. BY
1		6/29/16	PW	RG
	REVISION			

SITE PLAN

NJDEP COASTAL RESILIENCY GRANT PROJECT

- MARINA / DITCH ENHANCEMENTS

TOWN OF SECAUCUS, HUDSON COUNTY, NEW JERSEY

Richard Arango DATE: 2/16/2016

RICHARD G ARANGO NJ PROFESSIONAL ENGINEER L.C. No. 38882

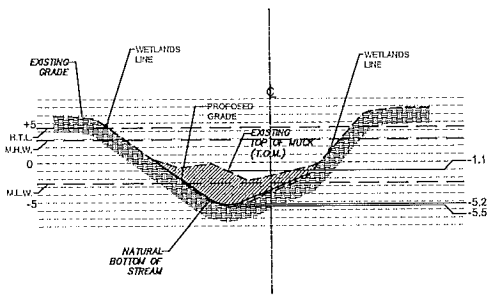
REMINGTON, VERNICK & ARANGO ENGINEERS

300 PENHORN AVENUE, 3RD FLOOR, SECAUCUS, NJ 07094
(201) 624-2137, FAX (201) 624-2136, WEB SITE ADDRESS: WWW.RVE.COM
Certificate of Authorization: 24 GA 28003800

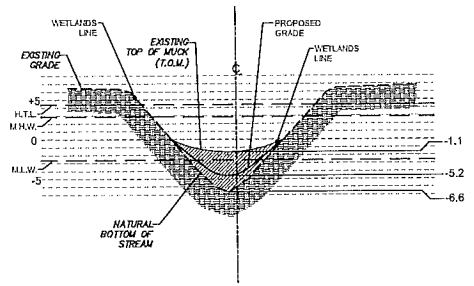
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1"=20'	02-2016	P.A.W.	P.A.W./T.M.	R.G.A.	09091151	4 OF 7

DWG FILE PATH: S:\Secaucus\09091151 - Secaucus Marina Dredging\Engineering & Design\CAD & Drawings

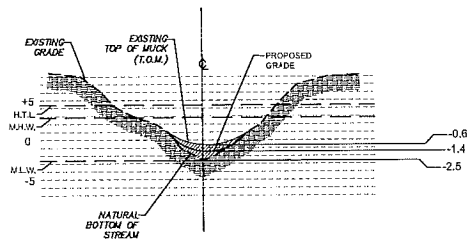
DWG. NAME: S-09091151.dwg



X-SECTION "A" STATION 2+18
SCALE: 1" = 20'-0" HORIZONTAL 1" = 10'-0" VERTICAL



X-SECTION "B" STATION 3+50
SCALE: 1" = 20'-0" HORIZONTAL 1" = 10'-0" VERTICAL



X-SECTION "C" STATION 5+00
SCALE: 1" = 20'-0" HORIZONTAL 1" = 10'-0" VERTICAL

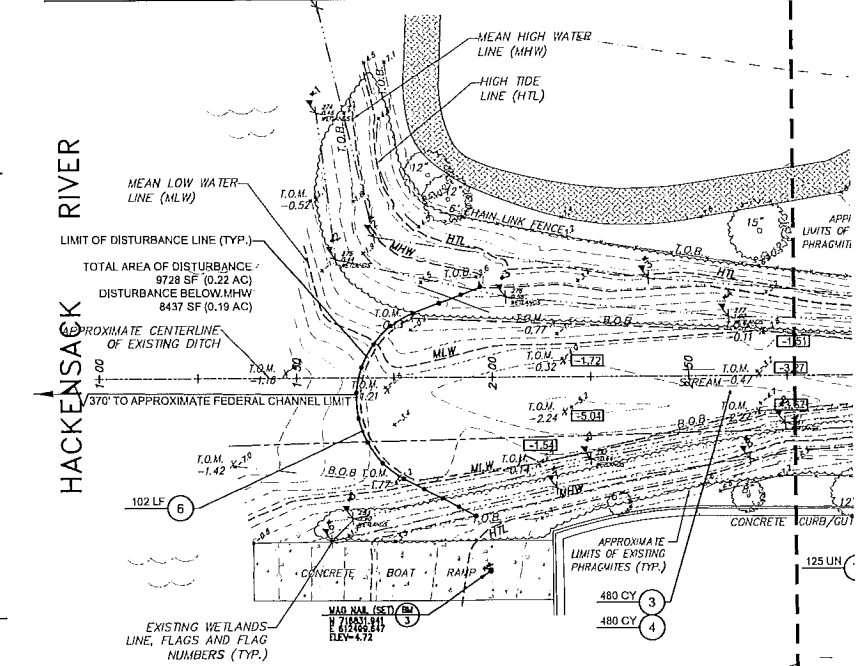
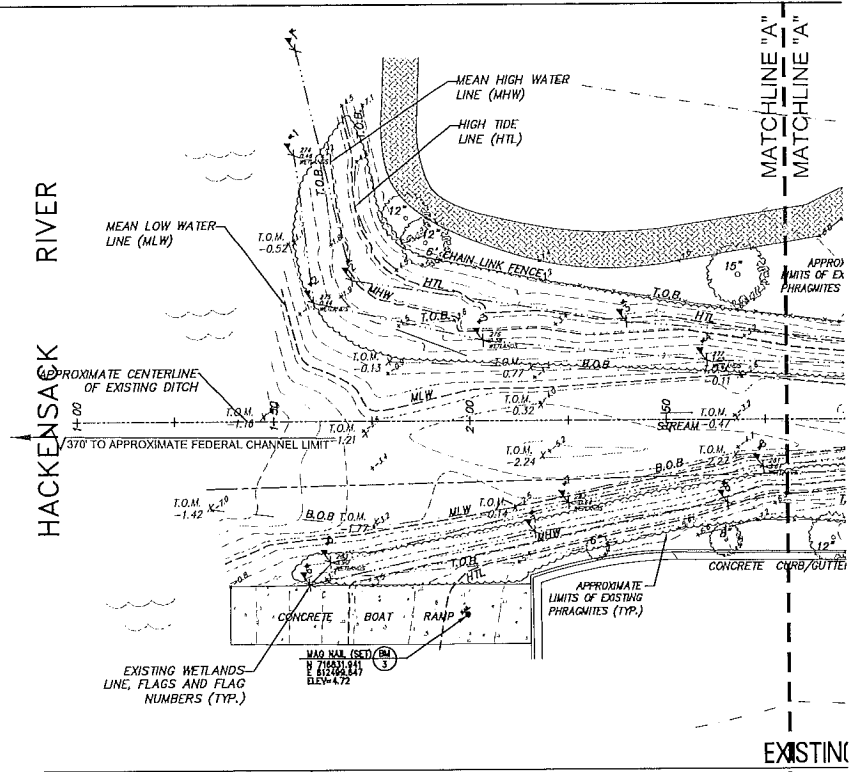


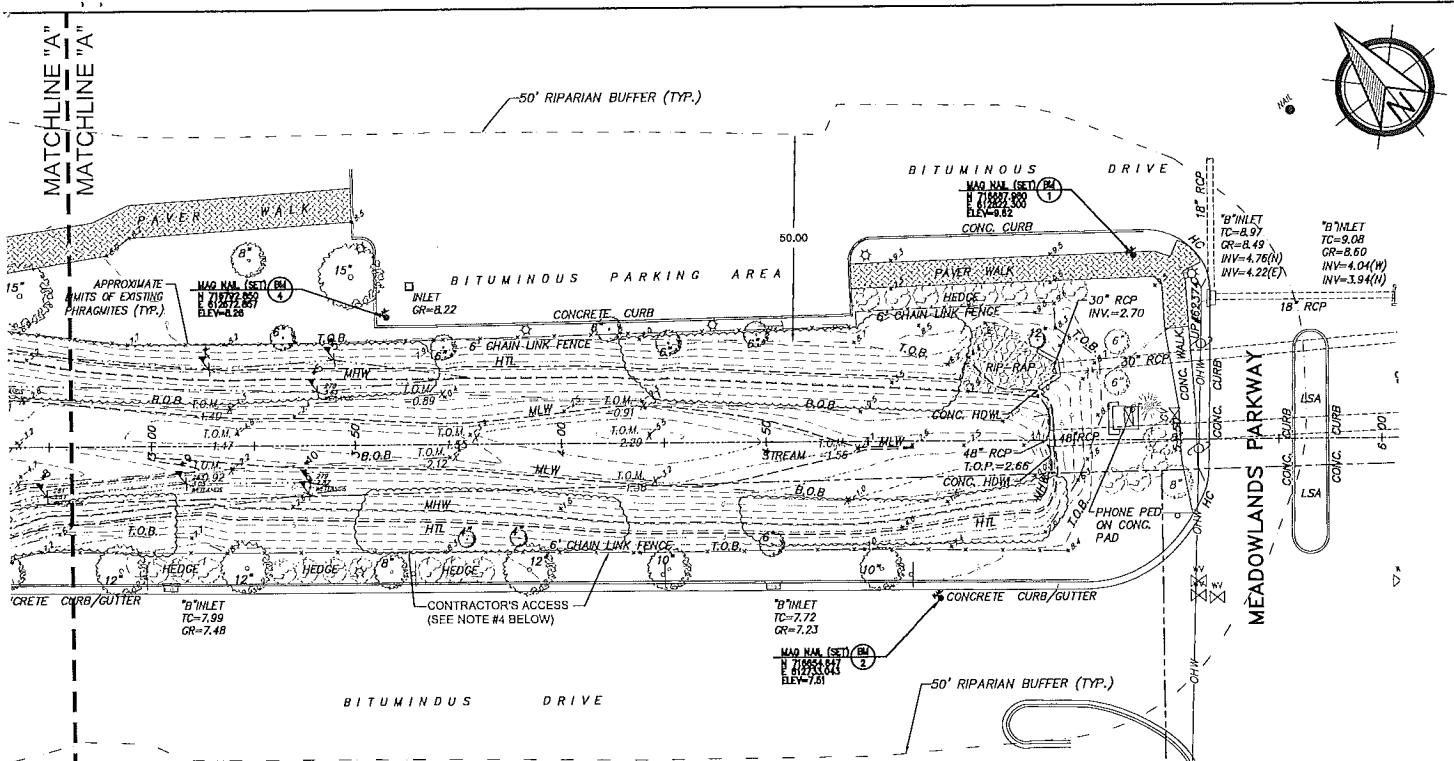
Figure 6 of 11

NOTES:

1. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED FROM THE ADJACENT PARKING AREAS AND/OR UPLAND PROPERTIES. THE PROPOSED CONSTRUCTION EQUIPMENT (i.e. CRANE AND / OR LONG ARM EXCAVATOR) SHALL REACH OVER THE BANKS IN ORDER TO PREVENT ANY DISTURBANCE TO WETLANDS AND OUTSIDE OF THE CHANNEL / DITCH.
2. ALL SEDIMENT TO BE LOADED DIRECTLY ONTO TRUCKS AND HAULED AWAY TO A DISPOSAL SITE OUTSIDE OF ANY REGULATED WETLAND OR FLOOD PLAIN AREAS.
3. ACCESS AGREEMENTS HAVE BEEN SECURED BY OWNER. CONTRACTOR SHALL COORDINATE WITH PROJECT OWNER, PROPERTY OWNER AND ENGINEER.
4. REMOVE AND REPLACE CHAIN LINK FENCE AS REQUIRED FOR SITE ACCESS (THERE SHALL BE NO SEPARATE PAYMENT FOR THIS ITEM, COSTS TO BE INCLUDED IN "SITE CLEARING".

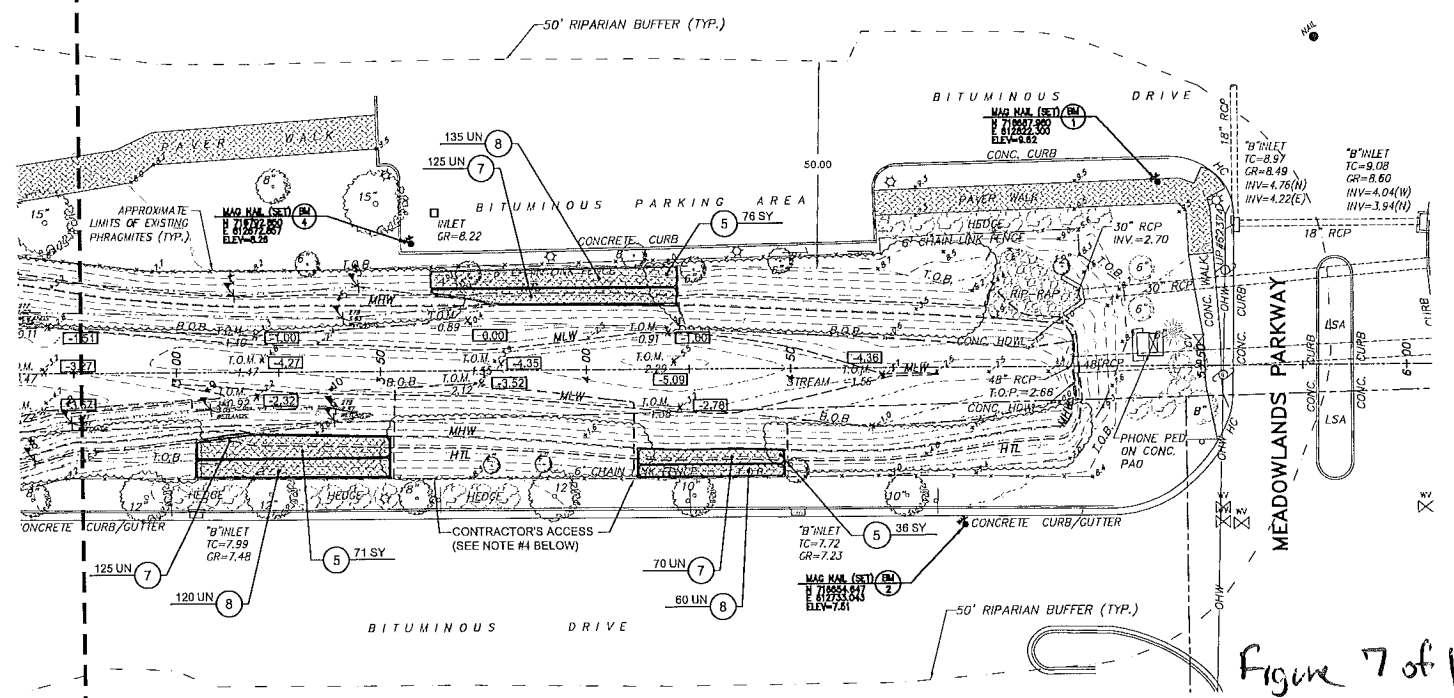
TO BE CONSTRUCTED - DITCH #1			
ITEM NO.	DESCRIPTION	UNIT	EST. QTY.
3	EXCAVATION	CY	480
4	UPLAND DISPOSAL	CY	480
5	COIR FIBER 700 EROSION CONTROL MATTING	SY	163
6	FLOATING TURBIDITY BARRIER, TYPE I	LF	102
7	HERBACEOUS PLANT MATERIAL - 'SPARTINA ALTRNA'FLORA' "SMOOTH CHORDGRASS" - 2' PLUG	UN	320
8	HERBACEOUS PLANT MATERIAL - SPARTINA CYNOSUROIDES "BIG CHORDGRASS" - 2' PLUG	UN	315

CONS
MATCHLINE "A"
MATCHLINE "A"



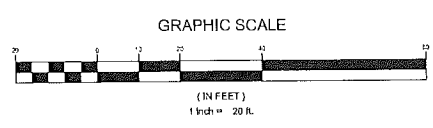
EXISTING TOPOGRAPHIC CONDITIONS PLAN - DITCH #1

SCALE: 1" = 20'-0"



CONSTRUCTION AND PLANTING PLAN - DITCH #1

SCALE: 1" = 20'-0"



2	PER USAGE COMMENTS	6/29/16	PW	ROA
1	PER NJDEP	4/25/16	TM	ROA
NO.	REVISION	DATE	BY	CHK. BY

EXISTING TOPOGRAPHIC CONDITIONS AND CONSTRUCTION PLAN - DITCH #1

NJDEP COASTAL RESILIENCY GRANT PROJECT
- MARINA / DITCH ENHANCEMENTS
TOWN OF SECAUCUS, HUDSON COUNTY, NEW JERSEY

Richard G. Arango
2/16/2016
RICHARD G. ARANGO
NJ PROFESSIONAL ENGINEER (E.C. NO. 36882)

Charles Adamson
2/16/2016
CHARLES ADAMSON
NJ PROFESSIONAL LAND SURVEYOR (E.C. NO. 42827)

REMINGTON, VERNICK & ARANGO ENGINEERS
300 PENNSYLVANIA AVENUE, 3RD FLOOR, SECAUCUS, NJ 07094
(201) 624-2153, FAX (201) 624-2158, NEW SITE ADDRESS: WWW.RVE.COM
Certificate of Authorization: 24 GA 28003800

SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET NO.
1" = 20'	07-2015	P.A.W.	P.A.W./T.M.	R.C.A.	05091150	3 OF 8

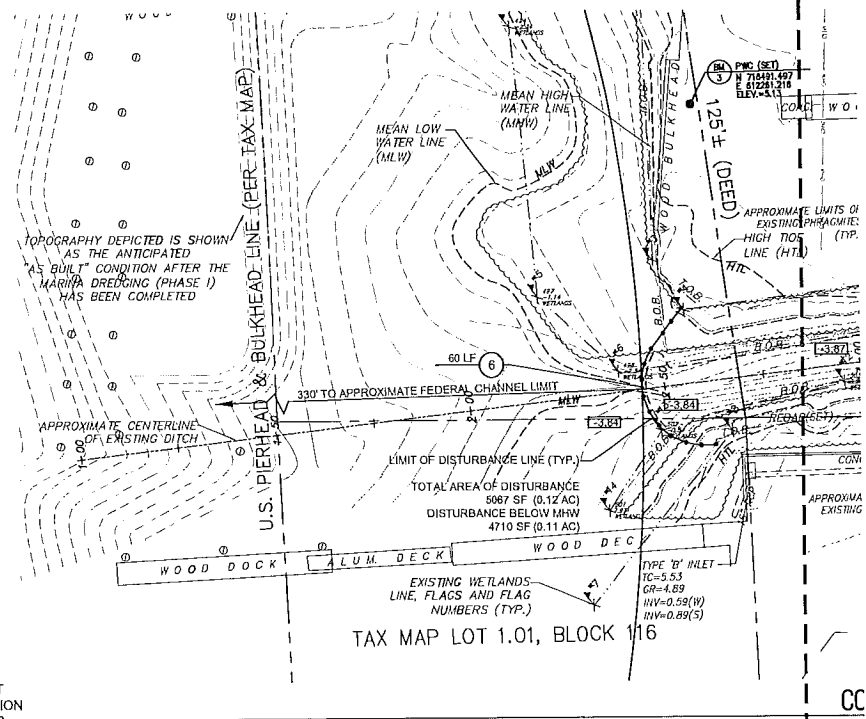
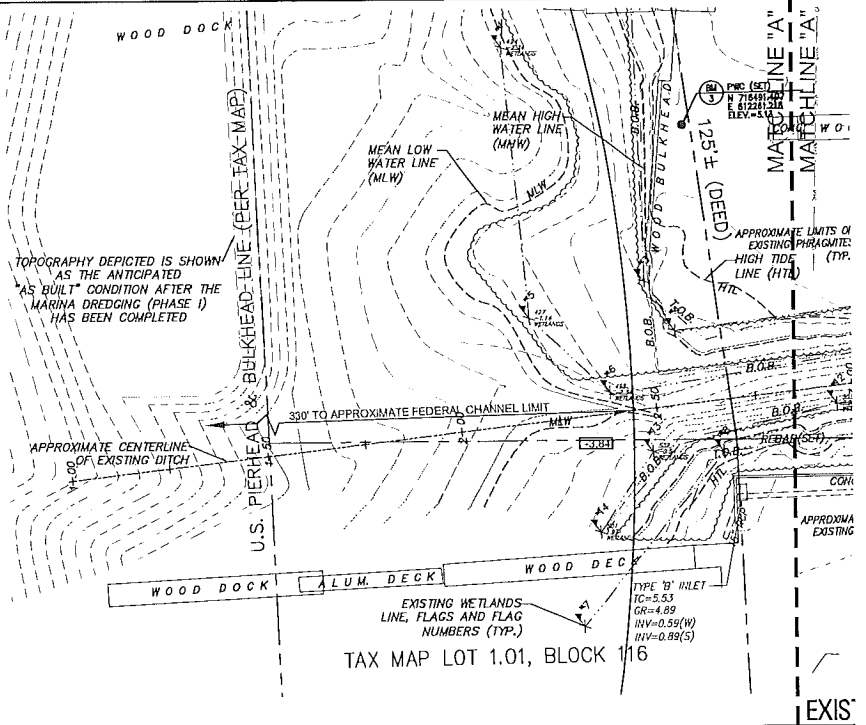
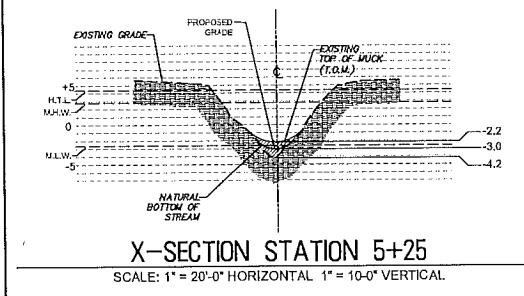
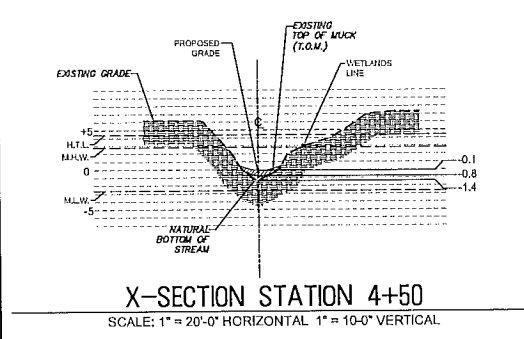
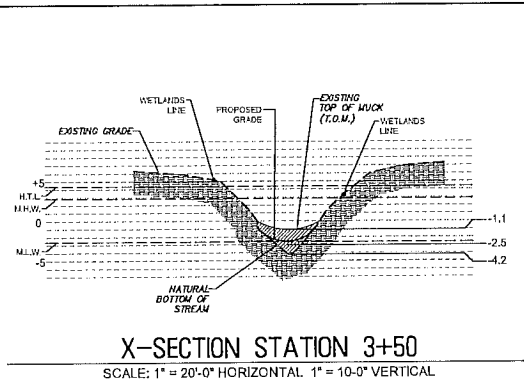
ALL DOCUMENTS PREPARED BY REMINGTON VERNICK & ARANGO ENGINEERS ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT.

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PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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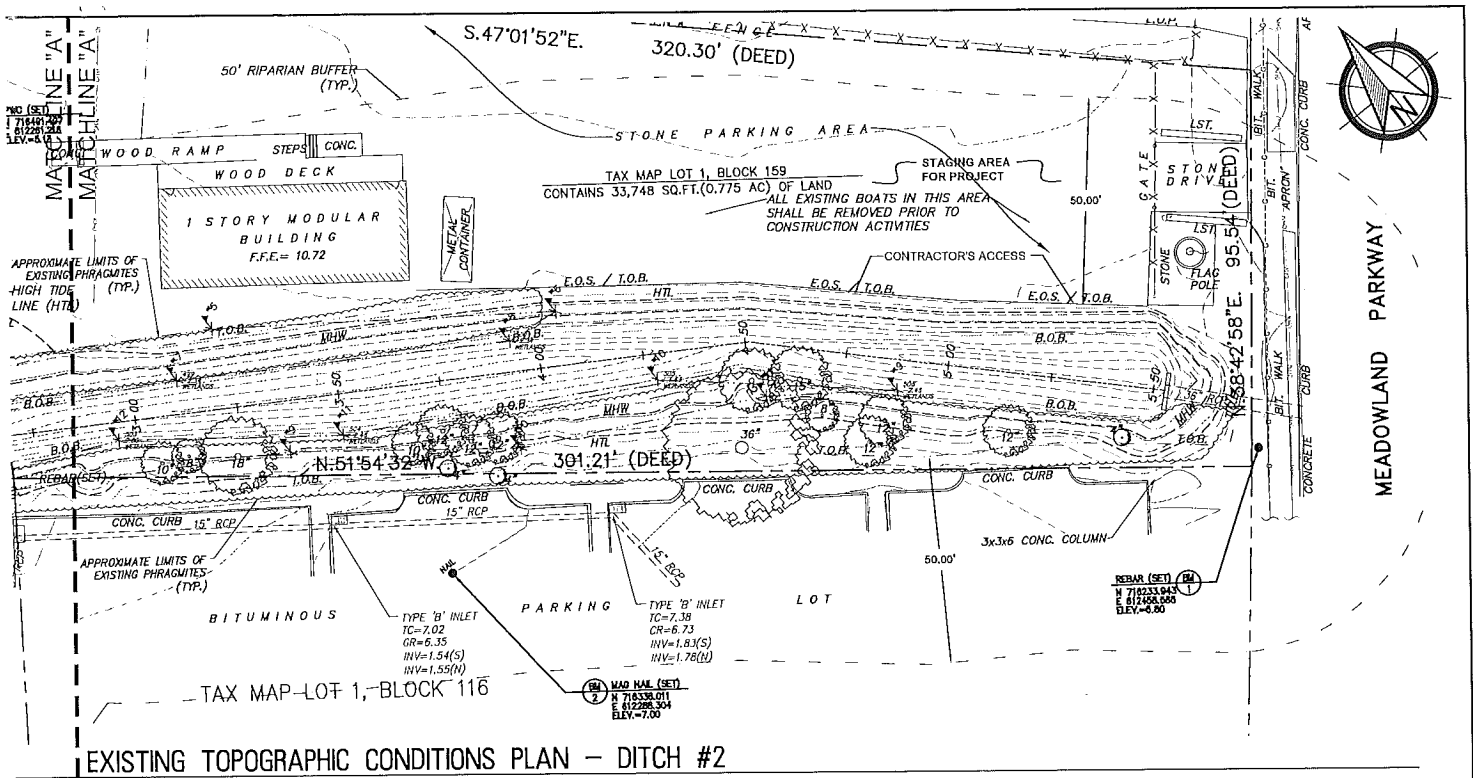
NOTES:

1. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED FROM THE ADJACENT PARKING AREAS AND/OR UPLAND PROPERTIES. THE PROPOSED CONSTRUCTION EQUIPMENT (i.e. CRANE AND / OR LONG ARM EXCAVATOR) SHALL REACH OVER THE BANKS IN ORDER TO PREVENT ANY DISTURBANCE TO WETLANDS AND OUTSIDE OF THE CHANNEL / DITCH.
2. ALL SEDIMENT TO BE LOADED DIRECTLY ONTO TRUCKS AND HAULED AWAY TO A DISPOSAL SITE OUTSIDE OF ANY REGULATED WETLAND OR FLOOD PLAIN AREAS.
3. ACCESS AGREEMENTS HAVE BEEN SECURED BY OWNER. CONTRACTOR SHALL COORDINATE WITH PROJECT OWNER, PROPERTY OWNER AND ENGINEER.

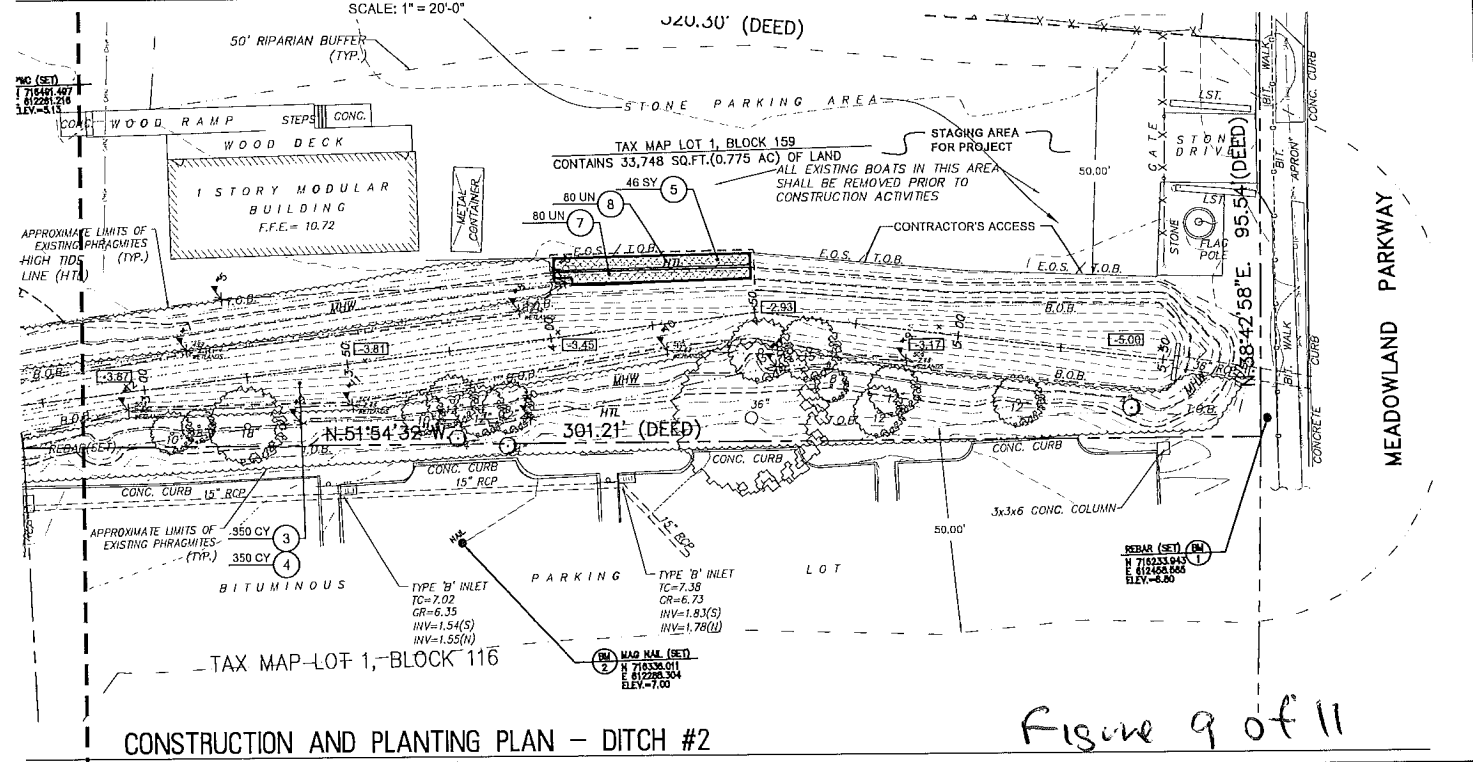
TO BE CONSTRUCTED - DITCH #2			
ITEM NO.	DESCRIPTION	UNIT	EST. QTY.
3	EXCAVATION	CY	350
4	UPLAND DISPOSAL	CY	350
5	COIR FIBER 700 EROSION CONTROL MATTING	SY	46
6	FLOATING TURBIDITY BARRIER, TYPE I	LF	60
7	HERBACEOUS PLANT MATERIAL - "SPARTINA ALTERNIFLORA" "SMOOTH CORDGRASS" - 2' PLUG	UN	80
8	HERBACEOUS PLANT MATERIAL - "SPARTINA CYNOSUROIDES" "BIG CHORDGRASS" - 2' PLUG	UN	80

Figure 8 of 11

MATCHLINE "A"
MATCHLINE "A"



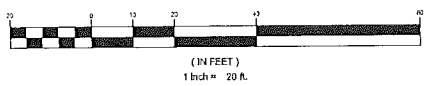
EXISTING TOPOGRAPHIC CONDITIONS PLAN - DITCH #2



CONSTRUCTION AND PLANTING PLAN - DITCH #2

Figure 9 of 11

MATCHLINE "A"
MATCHLINE "A"



2	PER USACE COMMENTS	6/29/16	PW	RGA
1	PER NJDEP	4/25/16	TM	RGA
NO.	REVISION	DATE	BY	CHK. BY

EXISTING TOPOGRAPHIC CONDITIONS AND CONSTRUCTION PLAN - DITCH #2

NJDEP COASTAL RESILIENCY GRANT PROJECT
- MARINA / DITCH ENHANCEMENTS
TOWN OF SEACAUCUS, HUDSON COUNTY, NEW JERSEY

Richard G. Arango
2/16/2016
RICHARD G. ARANGO
NJ PROFESSIONAL ENGINEER LIC. NO. 36882

Charles Adamson
DATE: 2/16/16
CHARLES ADAMSON
NJ PROFESSIONAL LAND SURVEYOR LIC. NO. 42827

REMINGTON, VERNICK & ARANGO ENGINEERS
300 BETHORN AVENUE, 3RD FLOOR, SEACAUCUS, NJ 07094
(201) 624-2137, FAX (201) 624-2136, WEB SITE ADDRESS: WWW.RVE.COM
Certificate of Authorization: 24 GA 280033800

SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET. NO.
1"=20'	07-2015	P.A.W.	P.A.W./T.M.	R.G.A.	09031150	4 OF 8

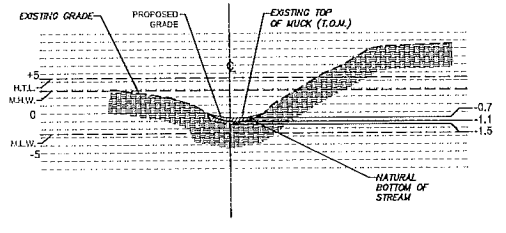
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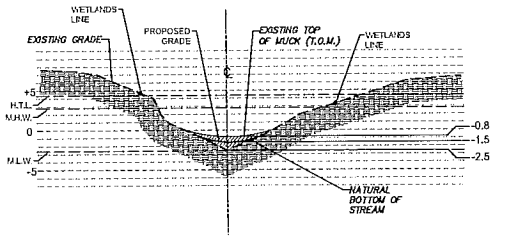
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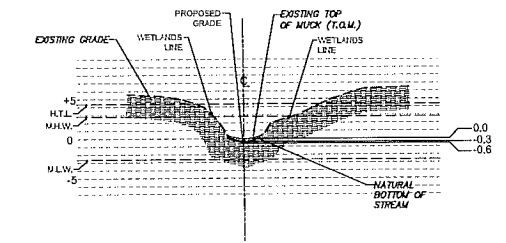
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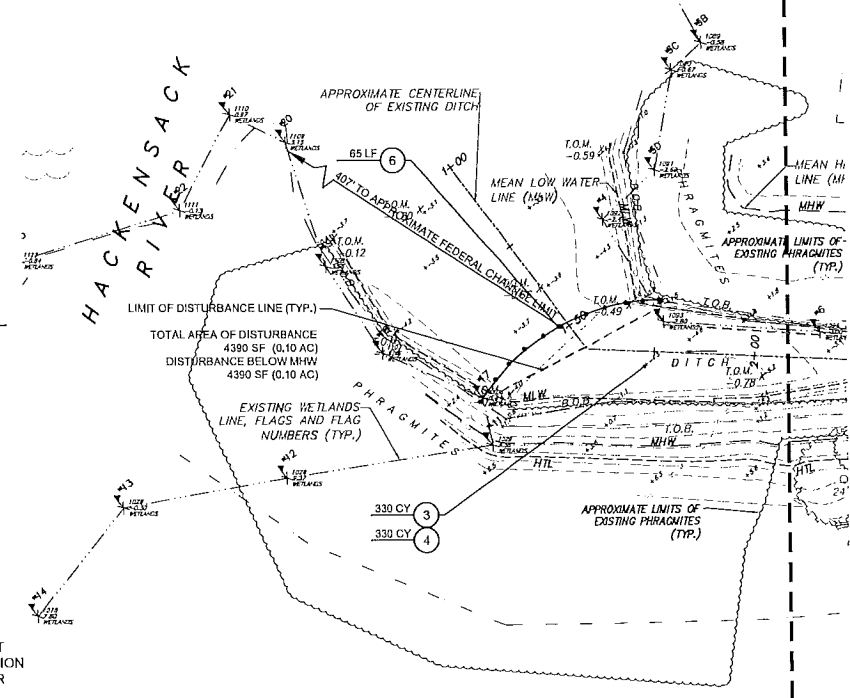
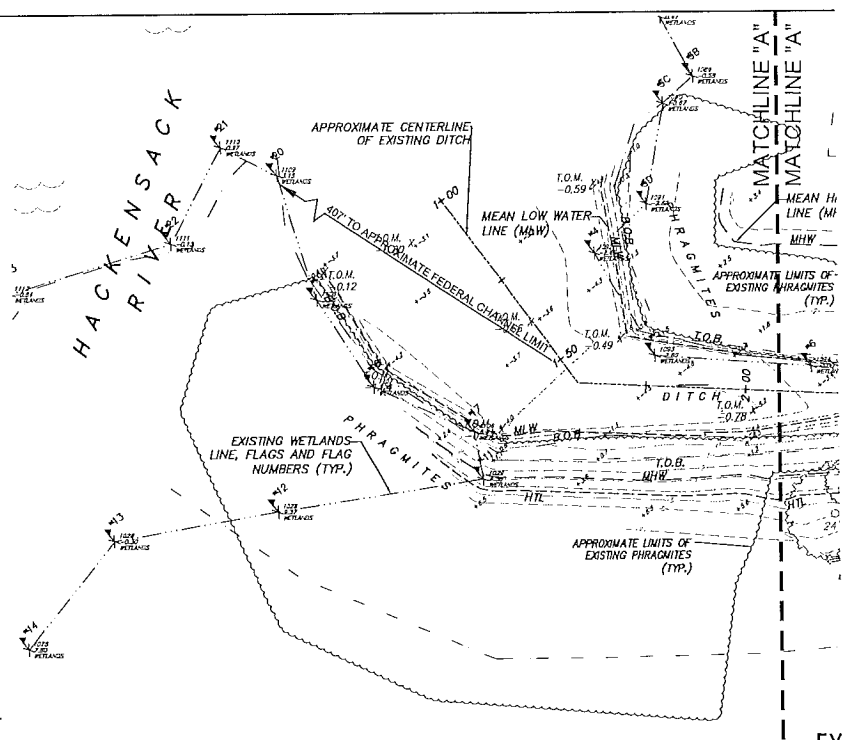
X-SECTION STATION 2+50
SCALE: 1" = 20'-0" HORIZONTAL 1" = 10'-0" VERTICAL



X-SECTION STATION 3+50
SCALE: 1" = 20'-0" HORIZONTAL 1" = 10'-0" VERTICAL



X-SECTION STATION 4+50
SCALE: 1" = 20'-0" HORIZONTAL 1" = 10'-0" VERTICAL



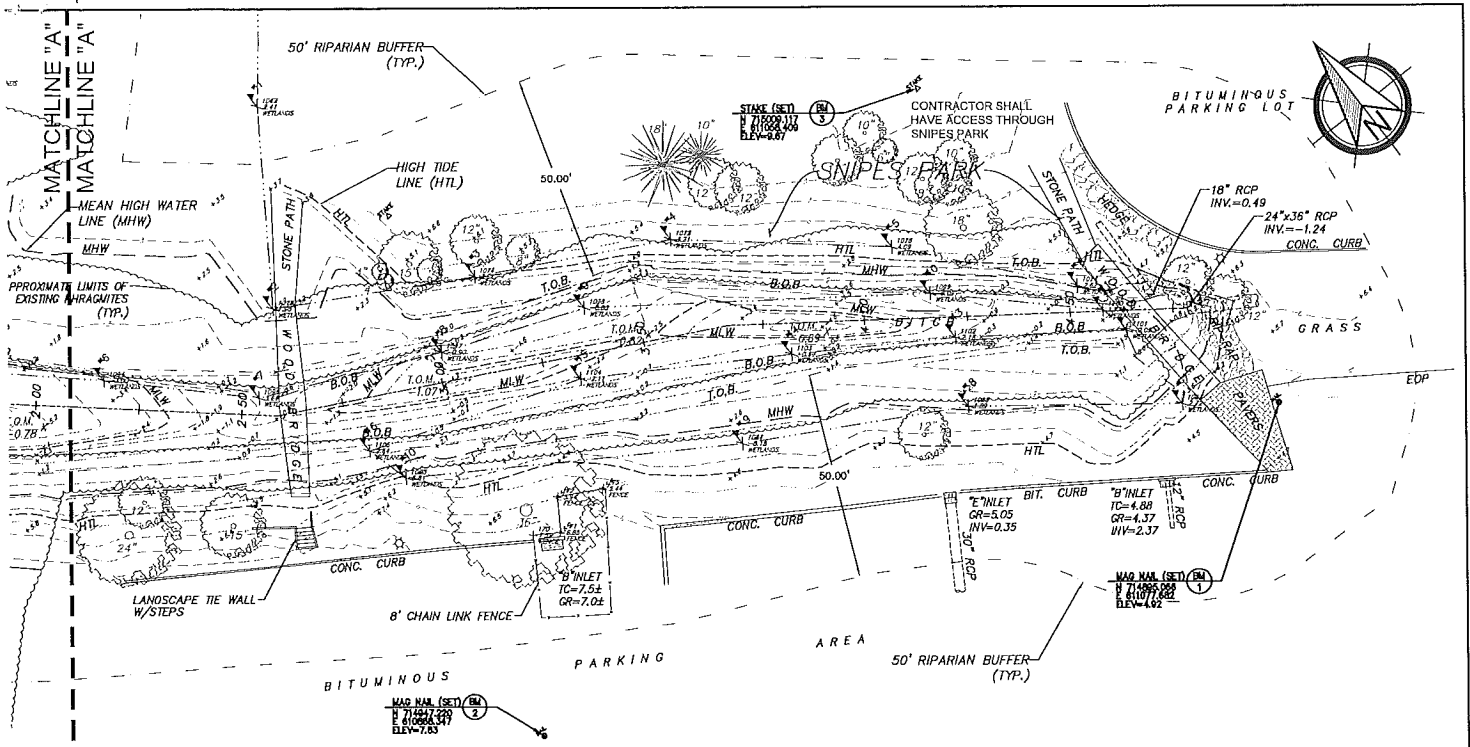
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TO BE CONSTRUCTED - DITCH #3			
ITEM NO.	DESCRIPTION	UNIT	EST. QTY.
3	EXCAVATION	CY	330
4	UPLAND DISPOSAL	CY	330
6	FLOATING TURBIDITY BARRIER, TYPE I	LF	65
9	TIDE VALVE 18" REINFORCED CONCRETE PIPE	UN	1
10	TIDE VALVE FOR ELLIPTICAL 24" x 36" REINFORCED CONCRETE PIPE	UN	1

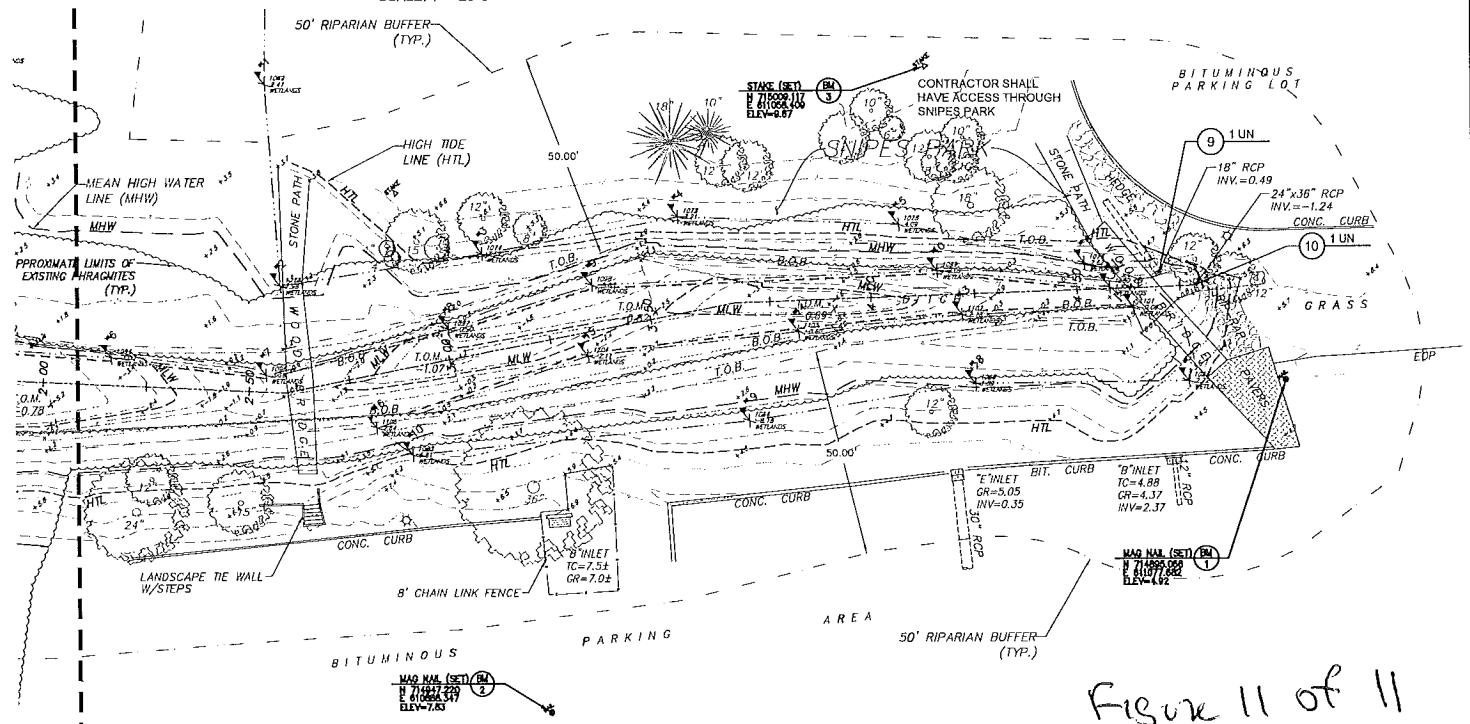
Figure 10 of 11

MATCHLINE "A"
MATCHLINE "A"



EXISTING TOPOGRAPHIC CONDITIONS PLAN - DITCH #3

SCALE: 1" = 20'-0"

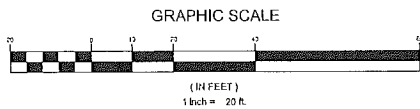


CONSTRUCTION AND PLANTING PLAN - DITCH #3

SCALE: 1" = 20'-0"

Figure 11 of 11

MATCHLINE "A"
MATCHLINE "A"



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2	PER USAGE COMMENTS	6/29/16	PW	RG
1	PER NJDEP	4/25/16	TM	RG
NO.	REVISION	DATE	BY	CHK. BY

EXISTING TOPOGRAPHIC CONDITIONS AND CONSTRUCTION PLAN - DITCH #3
NJDEP COASTAL RESILIENCY GRANT PROJECT
- MARINA / DITCH ENHANCEMENTS
TOWN OF SECAUCUS, HUDSON COUNTY, NEW JERSEY

<i>Richard G. Arango</i> 2/16/2016	DATE: 2/16/2016
RICHARD G. ARANGO NJ PROFESSIONAL ENGINEER LIC. NO. 38882	CHARLES ADAMSON NJ PROFESSIONAL LAND SURVEYOR LIC. NO. 42827

RV & A	REMINGTON, VERNICK & ARANGO ENGINEERS 300 PENHORN AVENUE, 3RD FLOOR, SECAUCUS, NJ 07094 (201) 624-2137, FAX (201) 624-2136, WEB SITE ADDRESS: WWW.RVE.COM Certificate of Authorization: 24 GA 28003800
SCALE: 1"=20'	DATE: 07-2015
DRAWN BY: P.A.W.	CHKD. BY: P.A.W./T.M. R.G.A.
	DWG. NO: 09091150
	SHEET. NO: 5 OF 8

DWG FILE PATH: S:\Secaucus\99091150 - Coastal Resiliency\Engineering & Design\CAD & Drawings

DWG. NAME: S-09091150.dwg