



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-2021-00203-EMI**
Issue Date: **May 10, 2022**
Expiration Date: **June 9, 2022**

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: Township of Neptune
25 Neptune Boulevard
Neptune, New Jersey 07753

ACTIVITY: Construction of a Living Shoreline

WATERWAY: Shark River

LOCATION: South Riverside Drive, Neptune, Monmouth 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.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND EMAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE.

CENAN-OP-RE
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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 email 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 lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. 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. This public notice serves as notification to the Administrator of the Environmental Protection Agency (EPA) pursuant to section 401(a)(2) of the Clean Water Act. If EPA determines that the proposed discharge may affect the quality of the waters of any state other than New Jersey, it will so notify such other state, the district engineer, and the applicant. If such notice or a request for supplemental information is not received within 30 days of issuance of this public notice, the district engineer will assume EPA has made a negative determination with respect to section 401(a)(2).

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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 occur. For activities within the coastal zone of New Jersey State, the applicant's certification and accompanying information is available from 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

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. Please send all comments and questions concerning this application to Christopher.W.Minck@usace.army.mil.

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 AND IN BEHALF OF
Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The permit applicant, Township of Neptune, has requested Department of the Army (DA) authorization to construct a living shoreline in the Shark River along South Riverside Drive, in Neptune, Monmouth County, New Jersey.

The proposed work would involve the following:

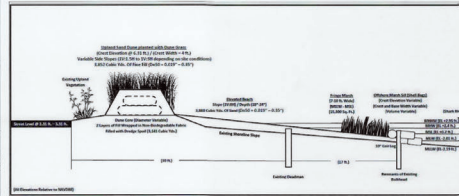
Construct an approximately 2,050-foot-long living shoreline along South Riverside Drive. To establish the living shoreline, approximately 3,888 cubic yards of sand would be discharged over an approximately 40-foot-wide by 2,050-foot-long (84,000 square feet based upon breaks in the shoreline system) area at a 1:8 slope, of which approximately 1,400 cubic yards would be discharged below the plane of Spring High Water over approximately 35,700 square feet. The living shoreline would consist of a series of offshore marsh sills across an approximately eight-foot-wide by 2,050-foot-long area consisting of shell bags filled clean native shells seaward of an existing deteriorated low sill bulkhead. On the landward side of the low sill bulkhead, install, as needed, up to approximately 2,050 linear feet of 10-inch diameter coir logs and establish an approximately, ranging in width from 7-10-foot-wide by 2,050 foot-long (approximately 15,300 square foot) area of fringe marsh consisting of *Spartina alterniflora*.

The applicant has stated that they have avoided, minimized, and mitigated for potential impacts proposed, to the maximum extent practicable by working at low tide to minimize turbidity, where practicable.

The purpose of this project is to stabilize the shoreline and reduce flooding and storm damage in the project area during storm events.

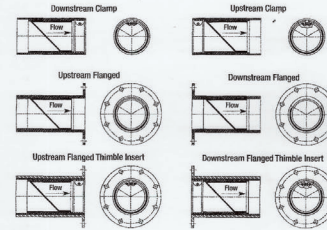


STREET MAP
SCALE: 1" = 1000'



SCALE: 1" = 10'

Mounting Styles and Configurations



Flange shape and bolt pattern can be customized.
Flangeless thimble inserts are available.

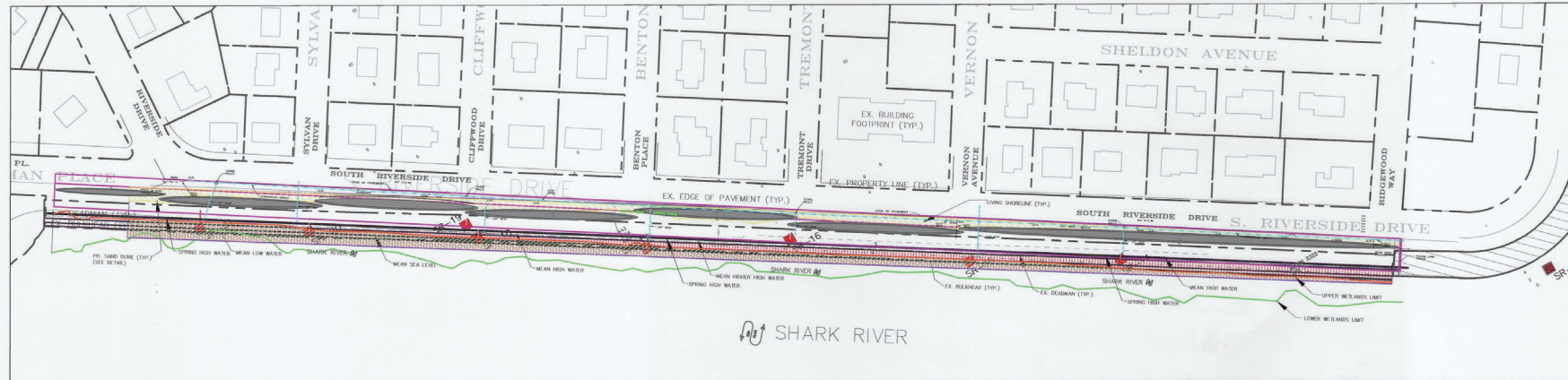
CHECKMATE™ VALVE									
NOMINAL PIPE SIZE I.D.*		OVERALL LENGTH**		NUMBER OF CLAMPS	CLAMP DEPTH		BACK PRESSURE RATING		Check Valve
Inches	Millimeters	Inches	Millimeters		Inches	Millimeters	Feet	Meters	
4	100	9.3	236	1	1.5	38	40	12	
6	150	15.5	393	1	2	51	40	12	
8	200	16.7	424	1	2	51	40	12	
10	250	19.8	503	1	2	51	40	12	
12	300	23	584	1	2	51	40	12	
14	350	30.2	767	1	4	102	20	6	
16	400	33.3	846	1	4	102	20	6	
18	450	36.5	927	1	4	102	20	6	
20	500	47.7	1212	2	8	203	20	6	
24	600	64	1627	2	8	203	20	6	
30	750	83.5	2121	2	8	203	20	6	
36	900	103	2616	2	8	203	20	6	
42	1050	122.5	3113	2	8	203	10	3	
48	1200	142	3595	2	8	203	10	3	
54	1350	161.5	4098	2	8	203	10	3	
60	1500	181	4596	2	12	305	10	3	

*Larger sizes available upon request.

**Shorter lengths available.

LEGEND	
	PROPOSED REPLACEMENT PIPE (CHECK VALVE)
	PROPOSED ELEVATIONS (CHECK VALVE)
	TIDE ELEVATIONS (CHECK VALVE)
	LIMIT OF DISTURBANCE
	NJ UPPER WETLANDS BOUNDARY 1970 (CHECK VALVE: NEAR BOUNDARY OF 1970)
	NJ LOWER WETLANDS BOUNDARY 1970 (CHECK VALVE: NEAR BOUNDARY OF 1970)
	PROPOSED INLINE CHECK VALVE
	PRIVATE PROPERTY (NOT INCLUDED IN PROJECT)
	EXISTING TIDELANDS (CHECK VALVE: NEAR BOUNDARY OF 1970)
	WETLANDS OF NEW JERSEY (CHECK VALVE: NEAR BOUNDARY OF 1970)
	EXISTING STORM MANHOLE
	EXISTING STORM INLET
	DISTURBANCE TO WETLANDS AREA: 0.75 ACRES
	AREA BELOW THE MEAN HIGH WATER LINE AREA: 1.00 ACRES
	DISTURBANCE TO VEGETATION WITHIN RIPARIAN ZONE AREA: 0.54 ACRES
	DUNE AREA VEGETATION IS TO BE REPLANTED AREA: 0.57 ACRES

Outfall Information					
Outfall Name	Location	Size (in)	Length	Type	Notes
SR21	End of Dykeman	33	20	Rip-Rap	
SR20	End of Sylvan	36	25	Rip-Rap	
SR19	End of Cliffwood	14	12.5	Rip-Rap	
SR18	End of Cliffwood	28	2.7	Rip-Rap	
SR17	End of Benton	12	2	Rip-Rap	
SR16	End of Tremont	27	1.3	Rip-Rap	
SR15	End of Vernon	18	23	Rip-Rap	
SR14	After Vernon	—	—	Rip-Rap	
SR11	End of Clinton	18	6	Rip-Rap	



0 160 320 Feet

LEON S. AVAKIAN, INC.
Civil Engineering
788 AVAKIAN BLVD
NEPTUNE, NEW JERSEY 07753
OFFICE: (732) 741-1234 FAX: (732) 741-0044

PETER R. AVAKIAN, P.E.
PROFESSIONAL ENGINEER N.J. LIC. NO. 28742

PROJECT: S. RIVERSIDE LIVING SHORELINE IMPROVEMENTS
FEMA PDMC-RJ-02-NK-2011-005

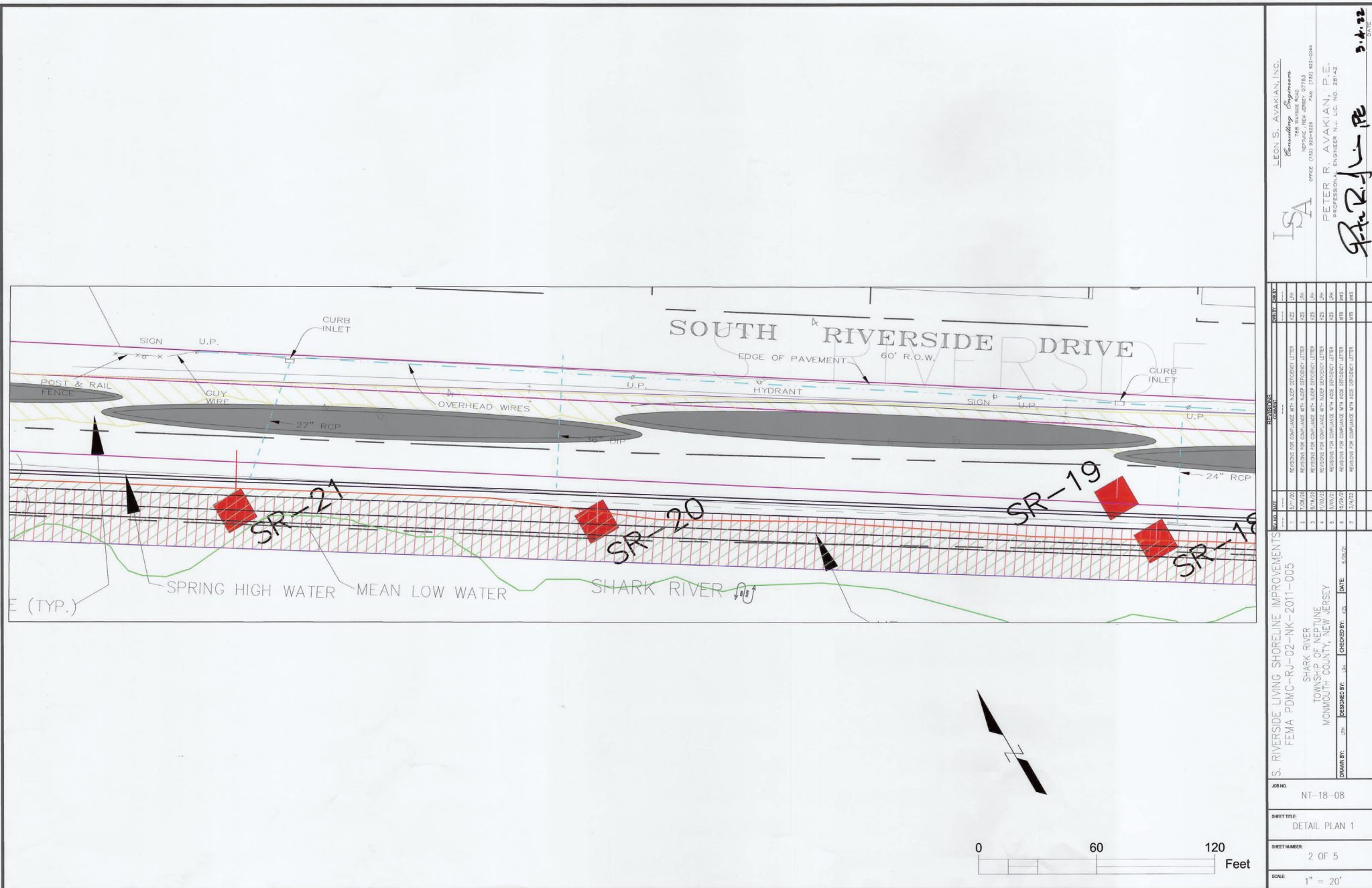
DESIGNED BY: [Signature] CHECKED BY: [Signature] DATE: 11/11/21

JOB NO: NT-18-08

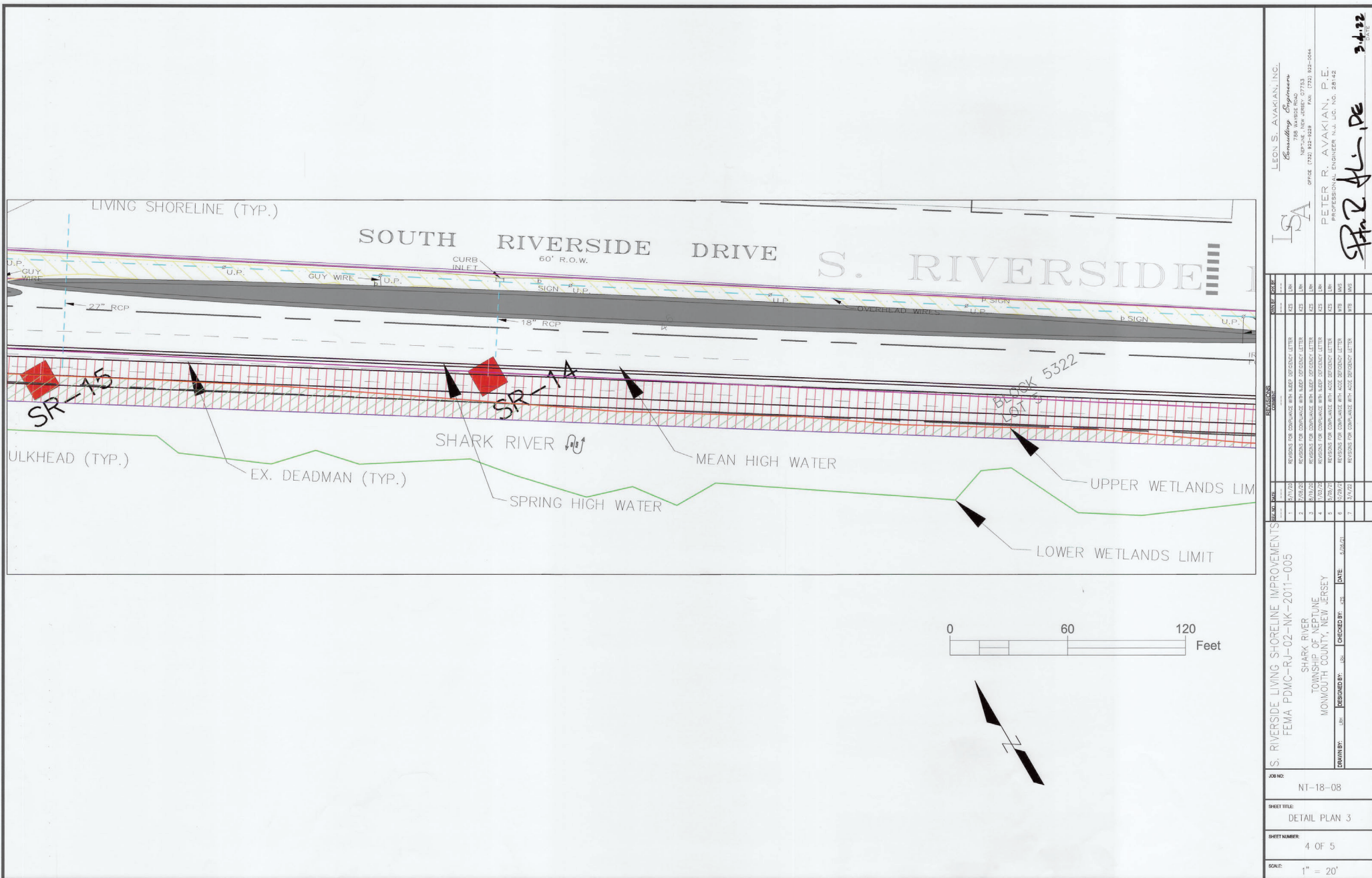
SHEET TITLE: CONCEPT PLAN

SHEET NUMBER: 1 OF 5

SCALE: 1" = 80'



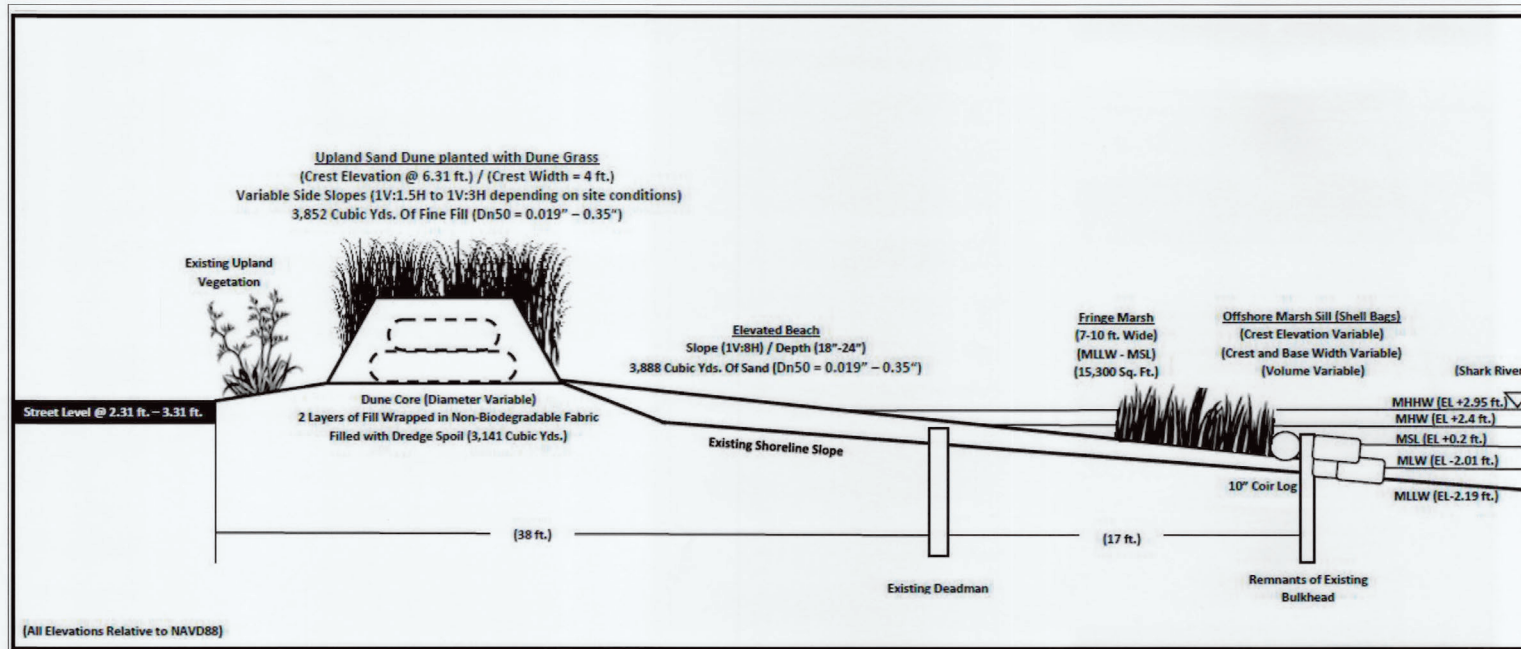




LEON S. AVAKIAN, INC.
Consulting Engineers
788 MARSH ROAD
NEW JERSEY 07733
OFFICE: (732) 932-3233 FAX: (732) 932-0444

PETER R. AVAKIAN, P.E.
PROFESSIONAL ENGINEER No. 100,289-02

34.22
DATE



NOTE:
 AVERAGE WIDTH OF WATERWAY IS 0.46 MILES
 BLOCK 5322 LOTS 3 & 5 TOWNSHIP OF NEPTUNE PROPERTY (400 S Riverside Drive, NJ 07701)
 BLOCK 5322 LOT 4 SHARK RIVER BEACH & YACHT CLUB PROPERTY (360 S Riverside Drive, NJ 07701)
 (work performed will be contained within Neptune Township property block 5322 lots 3 & 5)

DEPTH WITHIN LIMIT OF DISTURBANCE VARIES 0'-4.5'

NO WETLANDS ARE LOCATED WITH LIMIT OF DISTURBANCE

APPROXIMATE LINEAR FOOTAGE IS 2050 FEET

APPROXIMATE VOLUME OF WORK ENCROACHMENT WITHIN SPRING HIGH: 37,800 Cubic Feet (1,400 Cubic Yards)

ALL VEGETATION TO BE SELECTIVELY DISTURBED WITHIN THE 50' RIPARIAN ZONE

* FILTER FABRIC: NON-WOVEN GEOTEXTILE FABRIC OR APPROVED EQUAL

- Average Material Volumes are Shown on Drawing
- Upland Sand Dune Volume (Maximum: 4,740 Cubic Yards)/(Minimum: 2,963 Cubic Yards)
*Includes the volume of the Dune Core
- Dune Core (Maximum: 4,188 Cubic Yards)/(Minimum: 2,094 Cubic Yards)
- Elevated Beach Volume (Maximum: 4,444 Cubic Yards)/(Minimum: 3,333 Cubic Yards)
- Fringe Marsh Volume (Maximum: 18,000 Square Feet)/(Minimum: 12,600 Square Feet)
- Coir Log will be placed where only deemed necessary by project engineers and ecological advisors.
- Plantings in marsh area shall be *Spartina alterniflora*.
- Approximately 3,888 cubic yards of sand would be discharged over an approximately 40 foot wide by 2050 foot long area of which approximately 1,400 cubic yards would be discharge below the plane of spring high water over 35,700 square feet.
- The living shoreline would consist of an approximately 8 foot wide by 2,050 foot long off shore marsh sill.

Datum: NAVD88

START: 40.188226, -74.048283 END: 40.185264, -74.042288

LEON S. AVAKIAN, INC. <i>Consulting Engineers</i> 788 WARDEN ROAD NEW JERSEY 07713 PHONE: (732) 822-2328 FAX: (732) 822-0444		PETER R. AVAKIAN, P.E. PROFESSIONAL ENGINEER N.J. REG. NO. 28142	
ISA 10/22/21		10/22/21	
DATE	10/22/21	DATE	10/22/21
TIME	10:00 AM	TIME	10:00 AM
BY	LEON S. AVAKIAN, INC.	BY	LEON S. AVAKIAN, INC.
FOR	SHARK RIVER	FOR	SHARK RIVER
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BY	LEON S. AVAKIAN, INC.	BY	LEON S. AVAKIAN, INC.
FOR	SHARK RIVER	FOR	SHARK RIVER
PROJECT	SHARK RIVER	PROJECT	SHARK RIVER
NO.	1	NO.	1
DATE	10/22/21	DATE	10/22/21
BY	LEON S. AVAKIAN, INC.	BY	LEON S. AVAKIAN, INC.
FOR	SHARK RIVER	FOR	SHARK RIVER
PROJECT	SHARK RIVER	PROJECT	SHARK RIVER
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