

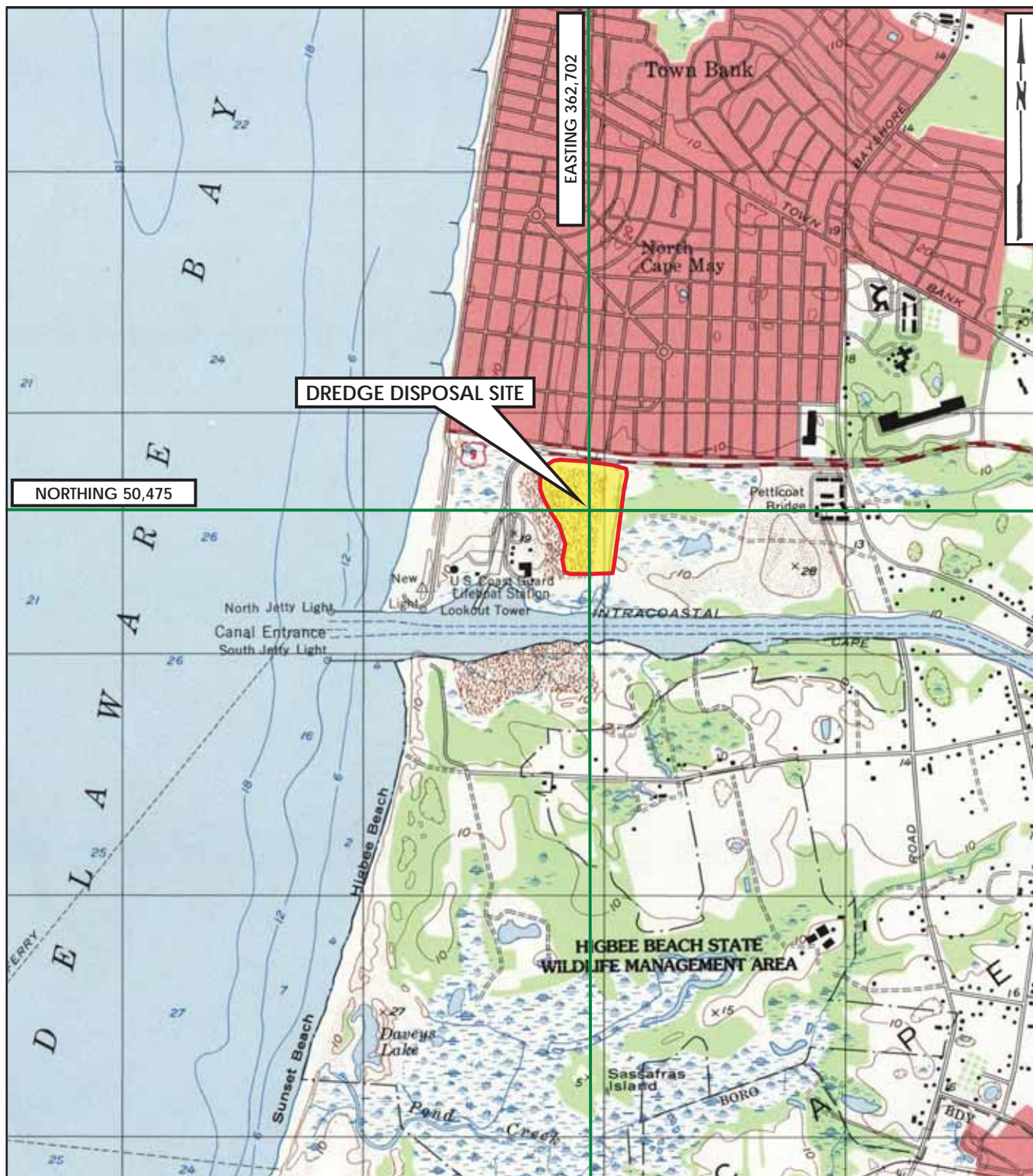
PROJECT SITE LOCATION MAP

UNITED STATES GEOLOGIC SURVEY QUADRANGLE

CAPE MAY, NEW JERSEY

SCALE 1:24000



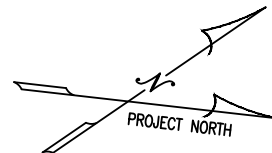


PROJECT SITE LOCATION MAP

UNITED STATES GEOLOGIC SURVEY QUADRANGLE

CAPE MAY, NEW JERSEY

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DELAWARE RIVER & BAY AUTHORITY
CAPE MAY/LEWES FERRY

CAPE MAY TERMINAL

DATUM CHART

TOP OF STEEL SHEET PILE +13.84

HIGH TIDE LINE +5.44

MEAN HIGH WATER LINE +5.00

NORTH AMERICAN VERTICAL DATUM

NAVD88 ELEV. +3.02

MEAN LOW WATER (M.L.W.) ELEV. +0.16

MEAN LOWER LOW WATER ELEV. 0.0

TOTAL DREDGE AREA = 218,048 SQUARE FEET OR 5.0 ACRES

TOTAL DREDGE VOLUME = 37,566 CUBIC YARDS
(INCLUDING OVERDREDGE)

ADJACENT PROPERTY OWNER
LOWER TOWNSHIP

PERMIT APPLICATION

NOTE: FINAL DESIGN REQUIRED FOR CONSTRUCTION, AND
THIS DRAWING IS FOR PERMIT PURPOSES ONLY.

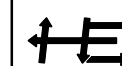
PROPOSED: MAINTENANCE DREDGING

AT: CAPE MAY FERRY TERMINAL

COUNTY OF: CAPE MAY

APPLICATION BY: DELAWARE RIVER & BAY AUTHORITY

S.T. HUDSON ENGINEERS, INC.
PROFESSIONAL ENGINEERS & CONSULTANTS



900 Dudley Avenue
Cherry Hill, N.J. 08002
Phone 856-342-6600
Fax No. 856-342-8323

drawn	SNP	date	08/30/23	dwg. no.	rev.
contract	23-120	FILE	D-1577	1 of 2	0

seal	seal
P.E. LICENSE No.	P.E. LICENSE No.

HYDROGRAPHIC SURVEY NOTES

- ALL SOUNDINGS WERE TAKEN USING A SPS855 SERIES HEMISPHERE WIRELESS DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS) WITH FIXED RTK, HYPACK MAX SOFTWARE, AND A TELEDYNE ODOM HYDROTRAC CONTINUOUS RECORDING FATHOMETER.
- SOUNDINGS WERE TAKEN ON TUESDAY MAY 22, 2023
- DECIMAL POINT (.) DENOTES SOUNDING LOCATION.
- SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER (M.L.L.W.) AND ARE EXPRESSED IN FEET AND TENTHS OF A FOOT.
- HORIZONTAL CONTROL IS BASED ON NEW JERSEY 2900 STATE PLANE COORDINATES, NAD 83 AS ESTABLISHED IN THE FIELD AND SOLELY FOR THE USE OF THIS HYDROGRAPHIC SURVEY.
- VERTICAL CONTROL WAS OBTAINED FROM KEYNET GPS (TRIMBLE VIRTUAL REFERENCE STATION [VRS] NETWORK REAL-TIME KINEMATIC (RTK) CORRECTIONS TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), AND CONVERTED TO MEAN LOWER LOW WATER (M.L.L.W.) WHICH IS 3.02 BELOW NAVD88. CONVERSION OF 3.02 OBTAINED FROM THE U.S. ARMY CORPS OF ENGINEERS.
- CONTOURS WERE INTERPOLATED WITH TRIMBLE NAVIGATION LIMITED SOFTWARE, TERRAMODEL VERSION 10.11.
- CROSS HATCHING INDICATES AREAS THAT ARE ABOVE THE SPECIFIED MINIMUM DREDGE DEPTH.
- SOUNDING DATA WAS COLLECTED ON 25 FOOT SECTIONS WITH A CONTINUOUSLY RECORDING FATHOMETER. LABELED DATA IS PLOTTED AT APPROXIMATELY 4 FOOT CENTERS FOR CLARITY.
- THE INFORMATION DEPICTED ON THIS DRAWING REPRESENTS THE RESULTS OF SURVEYS CONDUCTED IN THE DATES INDICATED, AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

SITE PLAN
SCALE: 1" = 60.0'

LIMIT OF DREDGING
DREDGE TO -12.0' M.L.L.W.

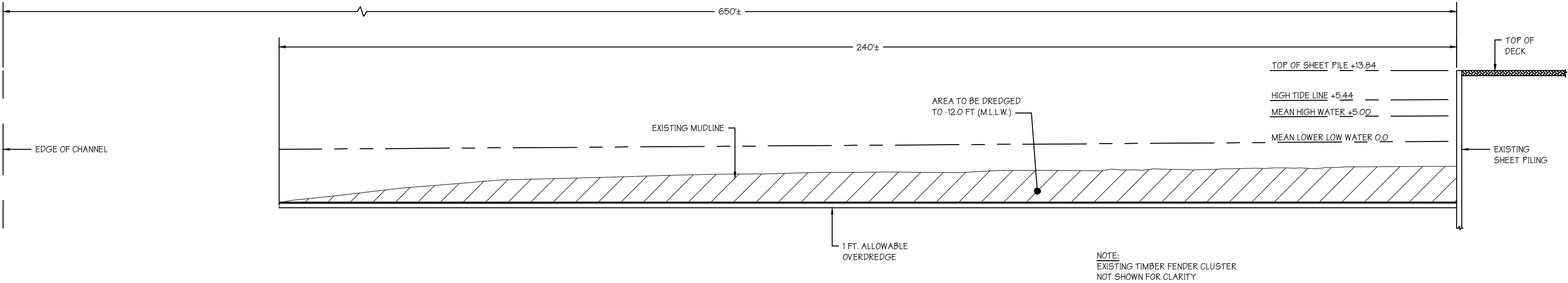
CENTERLINE OF CHANNEL

LIMIT OF DREDGING
DREDGE TO -12.0' M.L.L.W.

DREDGE TO
-12.0' M.L.L.W.

DREDGE TO -12.0' M.L.L.W.

DREDGE TO -12.0' M.L.L.W.



SECTION A
SCALE: 1" = 10'

PERMIT APPLICATION			
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PROPOSED:		MAINTENANCE DREDGING	
AT:		CAPE MAY FERRY TERMINAL	
COUNTY OF:		CAPE MAY	
APPLICATION BY:		DELAWARE RIVER & BAY AUTHORITY	
S.T. HUDSON ENGINEERS, INC. PROFESSIONAL ENGINEERS & CONSULTANTS			
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