

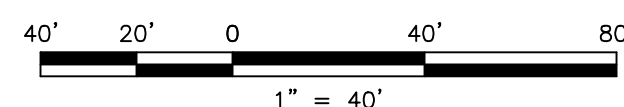
TIDAL DATUMS DETERMINE BY NJDEP BUREAU OF COASTAL ENGINEERING USING NOAA VDATUM 3.4 SOFTWARE. ALSO USED AS A REFERENCE WAS TIDAL DATUM 853-4244 GRAVELING POINT, NJ BENCHMARK CONTROL STATION 855-7380 LEWES, FORT MILES, DE

DATUM	MLLW	NAVD 88
HTL	3.81	2.10
MHHWL	3.71	2.00
MHWL	3.34	1.63
MTL	1.73	0.02
NAVD 88	1.71	0.00
MLWL	0.12	-1.59
MLLWL	0.00	-1.71

 MHHWL (NAVD 1988) EXISTING GRADING
 MHWL (NAVD 1988) EXISTING GRADING
 MLWL (NAVD 1988) EXISTING GRADING
 MLLWL (NAVD 1988) EXISTING GRADING
 HTL (NAVD 1988) EXISTING GRADING
 1977 TIDELANDS HISTORIC SHORELINE
 APPROXIMATE SHELLFISH LEASE AREA
 WETLANDS DELINEATION LINE
 WETLANDS 50 FT. BUFFER

1 EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS
2 SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR
3 SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO ANY EXCAVATION. WHERE
4 ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL BE RESPONSIBLE FOR
5 DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVENTS,
6 MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO
7 CONSTRUCTION TO PERMIT ADJUSTMENTS AS MAY BE REQUIRED TO AVOID CONFLICTS.
8 9. ALL DATA AND INFORMATION SHOWN HEREON IS BASED ON DATA OBTAINED IN
9 ACCORDANCE WITH FIELD SURVEY PERFORMED BY DMC ASSOCIATES ON OR ABOUT APRIL 2020.
10 HORIZONTAL SYSTEM IS NEW JERSEY STATE PLANE COORDINATE SYSTEM (N.A.D. 1983) AND
11 VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988).
12 10. ALL DATA AND INFORMATION SHOWN HEREON IS BASED ON DATA OBTAINED IN
13 ACCORDANCE WITH A FIELD HYDROGRAPHIC SURVEY PERFORMED BY AQUA SURVEY INC. ON OR
14 ABOUT 2020 HORIZONTAL SYSTEM IS NEW JERSEY STATE PLANE COORDINATE SYSTEM
15 (N.A.D. 1983) AND VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988).
16 11. BOUNDARY, PROPERTY, EASEMENT AND RIGHT OF WAY LINES SHOWN HEREON ARE
17 APPROXIMATE.
18 12. CONTOUR INTERVAL IS 1 FOOT.
19 13. THE APPROXIMATE SHELLFISH LEASE AREA IS SHOWN AS IDENTIFIED AS "SHELLFISH
20 AQUACULTURE LEASING PERMIT OF THE ATLANTIC COAST SECTION OF THE NJ SHELLFISHING
21 COUNCIL, JANUARY 2017 FIGURE 18".

1. THE 1977 TIDELANDS CLAIM LINE AS SHOWN ARE DRAWN IN ACCORDANCE WITH BEST AVAILABLE TIDELANDS REGION SHAPEFILES ACQUIRED FROM THE "NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF GIS".
2. WETLANDS LINE AS SHOWN ARE DRAWN IN ACCORDANCE WITH FIELD DELINEATION AS PERFORMED BY T&M ASSOCIATES ON 10/13/2020 AND UPDATED 03/12/2021.

[illegible]

 1-12-2021
 LICENSED PROFESSIONAL ENGINEER
 STATE OF NJ LICENSE No. GE49287

TOWNSHIP OF LITTLE EGG HARBOR

MYSTIC BEACH REPLENISHMENT & STABILIZATION PROJECT

TOWNSHIP OF LITTLE EGG HARBOR, OCEAN COUNTY, NEW JERSEY

MYSTIC BEACH

EXISTING CONDITIONS



DESIGNED BY	CPC	DRAWING	
CHECKED BY	CPC/JAW	EXC-1	
DRAWN BY	CPC		
DATE	1-12-2021	SHEET	
SCALE	1"=40'		
PROJ. NO.	LEHT-01889		

PROJECT INFORMATION:
FILE PATH: G:\Projects\LEHT\01889\Plans\
FILE NAME: LEHT-01889_CL_EXC.dwg
LAST SAVED DATE AND TIME: 22 Mar 2021, 11:56AM
LAST SAVE BY: ccunliffe

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BEACH SAND REPLENISHMENT EARTHWORK TABLE FOR NJDEP PERMITS (UNADJUSTED)					
STRATUM	CUT	FILL	NET	METHOD	AREA
TOTAL PROPOSED EARTHWORK	± 105 C.Y.	± 11,135 C.Y.	± 11,030 C.Y. (F)	GRID	118,650 S.F.
FROM: EXISTING SURFACE					(2.72 AC.)
TO: PROPOSED SURFACE					
PROPOSED EARTHWORK BELOW MLWL	± 0 C.Y.	± 7,075 C.Y.	± 7,075 C.Y. (F)	GRID	63,765 S.F. (1.46 AC.)
PROPOSED EARTHWORK ABOVE MHWL	± 95 C.Y.	± 380 C.Y.	± 285 C.Y. (F)	GRID	15,435 S.F. (0.36 AC.)
PROPOSED EARTHWORK BETWEEN MLWL AND MHWL	± 10 C.Y.	± 3,680 C.Y.	± 3,670 C.Y. (F)	GRID	39,450 S.F. (0.91 AC.)

BEACH SAND REPLENISHMENT EARTHWORK TABLE FOR USACE PERMITS (UNADJUSTED)					
STRATUM	CUT	FILL	NET	METHOD	AREA
PROPOSED EARTHWORK BELOW THE HTL	± 10 C.Y.	± 11,025 C.Y.	± 11,015 C.Y. (F)	GRID	110,460 S.F. (2.54 AC.)
PROPOSED EARTHWORK ABOVE THE HTL	± 95 C.Y.	± 110 C.Y.	± 15 C.Y. (F)	GRID	8,190 S.F. (0.19 AC.)

STONE JETTY EARTHWORK TABLE FOR USACE PERMITS (UNADJUSTED)					
STRATUM	CUT	FILL	NET	METHOD	AREA
PROPOSED EARTHWORK BELOW THE HTL	± 50 C.Y.	± 2,275 C.Y.	± 2,225 C.Y. (F)	GRID	19,420 S.F. (0.45 AC.)
PROPOSED EARTHWORK ABOVE THE HTL	± 7 C.Y.	± 0 C.Y.	± 7 C.Y. (C)	GRID	55 S.F. (0.001 AC.)
PROPOSED EARTHWORK BELOW THE MHWL	± 45 C.Y.	± 2,275 C.Y.	± 2,230 C.Y. (F)	GRID	19,340 S.F. (0.44 AC.)
PROPOSED EARTHWORK ABOVE THE MHWL	± 15 C.Y.	± 3 C.Y.	± 12 C.Y. (C)	GRID	135 S.F. (0.003 AC.)

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