



**US Army Corps
of Engineers**
Philadelphia District

Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No. **CENAP-OP-R-2009-0088-24** Date **June 11, 2018**

Application No. File No.

In Reply Refer to:
REGULATORY BRANCH

This District 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).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Harlo, Inc. and Jenlo, Inc.
“Mill Creek Marina” and “Bree Zee Lee Yacht Basin”

AGENT: M. V. Engineering, LLC
P. O. Box 484
Cape May Court House, New Jersey 08210

WATERWAY: Cape May Harbor and Mill Creek

LOCATION: Decimal Latitude: 38.954709° North; Longitude: -74.885128° West.
The project site is located in and along the north shore of Cape May Harbor at the mouth of Mill Creek, on the south side of C.R. 621 (964-992 Ocean Drive), Block 822.02, Lots 2 - 6, in Lower Township, Cape May County, New Jersey.

ACTIVITY: The applicant proposes to perform maintenance dredging within the existing marina basins (and an access channel to Cape May Harbor). There are four distinct basins located in the marina complex: one along Mill Creek, one along Cape May Harbor between the original Mill Creek Marina and Bree Zee Lee Yacht Basin, one within the man-made interior Bree Zee Lee Yacht Basin, and a fourth along Cape May Harbor, which is a continuation of the Bree Zee Lee Yacht Basin. These areas, which support 1,063 boat slips, are all proposed to be dredged under this application.

The area to be dredged is approximately 25 acres in size. Dredging would be by hydraulic (cutter-head and pipeline) method to a depth of -6 feet (below mean low water elevation). The applicant has identified a total volume of 45,475 cubic yards which requires dredging. This volume would be accomplished over 5 years, with no more than 10,000 cubic yards dredged in any one year. The applicant has requested authorization for a total of 10 years of maintenance dredging (i.e. 5 additional years, following the initial 5 years), with a maximum of 10,000 cubic yards dredging any one year. Disposal of dredged material would be in two separate existing

confined disposal facilities (CDFs). Dike or berm repairs are proposed for both CDFs. No dredging would occur within 25 feet of any vegetated wetlands. The dredge pipeline (8-inch diameter flex-hose) would be placed across the surface of on-site wetlands to reach the two CDFs while dredging is underway. It is removed between dredging events.

In addition, the applicant's plans include replacement of 2,326 LF of wave attenuators and a new 291-LF section of attenuator. These structural additions and replacements would occur over the next 5 years. They would involve the installation of 60 new 12-inch timber pilings and the replacement of up to 465 such timber pilings. Pilings would be installed (and removed) by jetting method from a work barge. The attenuators would have 6-inch wide vertical planks or slats, with 3-inch spacing between them, and a minimum 18-inch clearance above the waterway bottom. Dredging and piling-installation operations would employ silt curtains to reduce turbidity and other impacts to aquatic fauna outside the work area.

The project site is located within an area that has been designated as shellfish habitat ("hard clam – high value commercial") on a map prepared by the U.S. Department of the Interior, Fish and Wildlife Service in 1963. The applicant has stated that all materials for the proposed new and replacement wave attenuators (i.e. pilings, structural members, i.e. walers, and slats or planks, would consist of CCA-treated lumber. Each such member would be individually covered or wrapped with vinyl or high-density polyethylene (HDPE) prior to installation. No dredging and no existing or proposed structures would encroach within approximately 500 feet of the federal navigation channel (New Jersey Intracoastal Waterway through Cape May Harbor).

The Corps of Engineers has issued several prior permits for the marina structures as well as for dredging. These include CENAP-OP-R-1993-2875-15, issued October 19, 1994, for expansion of the marinas to their current configuration. There is a current valid permit for maintenance dredging at these marinas, which expires at the end of 2019 (CENAP-OP-R-2009-0088-61).

The applicant has received a Waterfront Development Permit, Coastal/Tidal Wetlands Permit, Water Quality Certificate and Acceptable Use Determination for the proposed work from the New Jersey Department of Environmental Protection, Office of Dredging and Sediment Technology, Division of Land Use Regulation (NJDEP File No. 0505-02-0009.2).

Applicant's Statement Pursuant to Regulations at 33 CFR 325.1(d)(7) and 33 CFR 332.4(b)(1):

The applicant has stated the following as their position with regard to (a) avoidance and minimization of impacts to aquatic resources and (b) compensatory mitigation for such impacts:

“impacts to waters of the United States will be avoided / minimized since the Project does not involve the direct discharge of dredged or fill material into waters of the United States. Hydraulically dredged material will be discharged into an existing CDF for storage. Sediments will settle out, and decanted overflow waters will be discharged back into waters of the United States through an overflow weir. Inspection of the CDF berms and the overflow weir will be ongoing throughout dredging operations. Accordingly, no significant adverse aquatic impacts are anticipated, and therefore, mitigation should not be required.”

PURPOSE: The applicant's stated purpose for the dredging is to "provide adequate water depth for boat mooring and navigational access to adjacent waterways for recreational boating." The stated purpose for the wave attenuators is to "provide protection of the boat basins from wind and wave action of the Harbor."

A preliminary review of this application indicates that species listed under the Endangered Species Act (ESA) may be present in the action area. There is no designated or proposed critical habitat for such species in the action area. The Philadelphia District of the Corps of Engineers will forward this public notice to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service. The Philadelphia District will evaluate the potential effects of the proposed actions on ESA listed species or their critical habitat and will consult with NOAA Fisheries as appropriate. ESA Section 7 consultation will be concluded prior to the final decision on this permit application.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

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 the 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.

Comments on the proposed work should be submitted, in writing, within 30 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

The USACE Cultural Resources Specialist has reviewed the proposed permit action for potential impacts to historic properties eligible for or listed on the National Register of Historic Places. We have determined that the permit area has been extensively modified, and little likelihood exists for the proposed project to impact a historic property. No further work is recommended.

The Magnuson-Stevens Fishery Conservation and Management Act requires all federal agencies to consult with the NOAA Fisheries all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH). A preliminary review of this application indicates that EFH is present within the project area. The Philadelphia District will evaluate the potential effects of the proposed actions on EFH and will consult with NOAA Fisheries as appropriate. Consultation will be concluded prior to the final decision on this permit application.

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed and/or existing activity on the State's coastal zone should be sent to this office, with a copy to the State's Office of Coastal Zone Management.

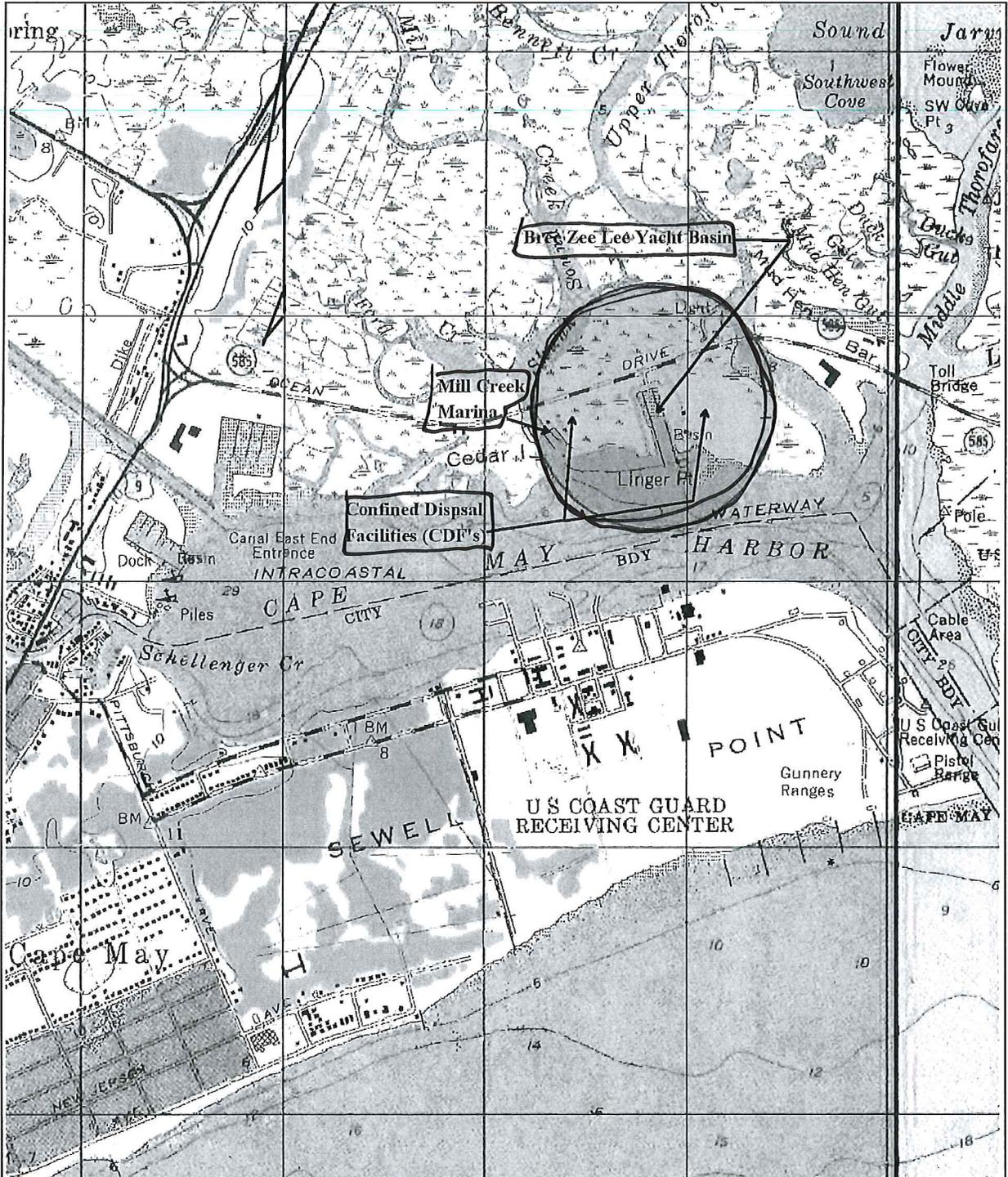
In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest 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.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

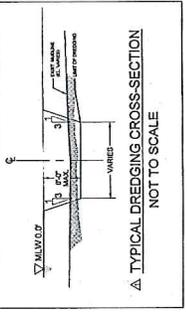
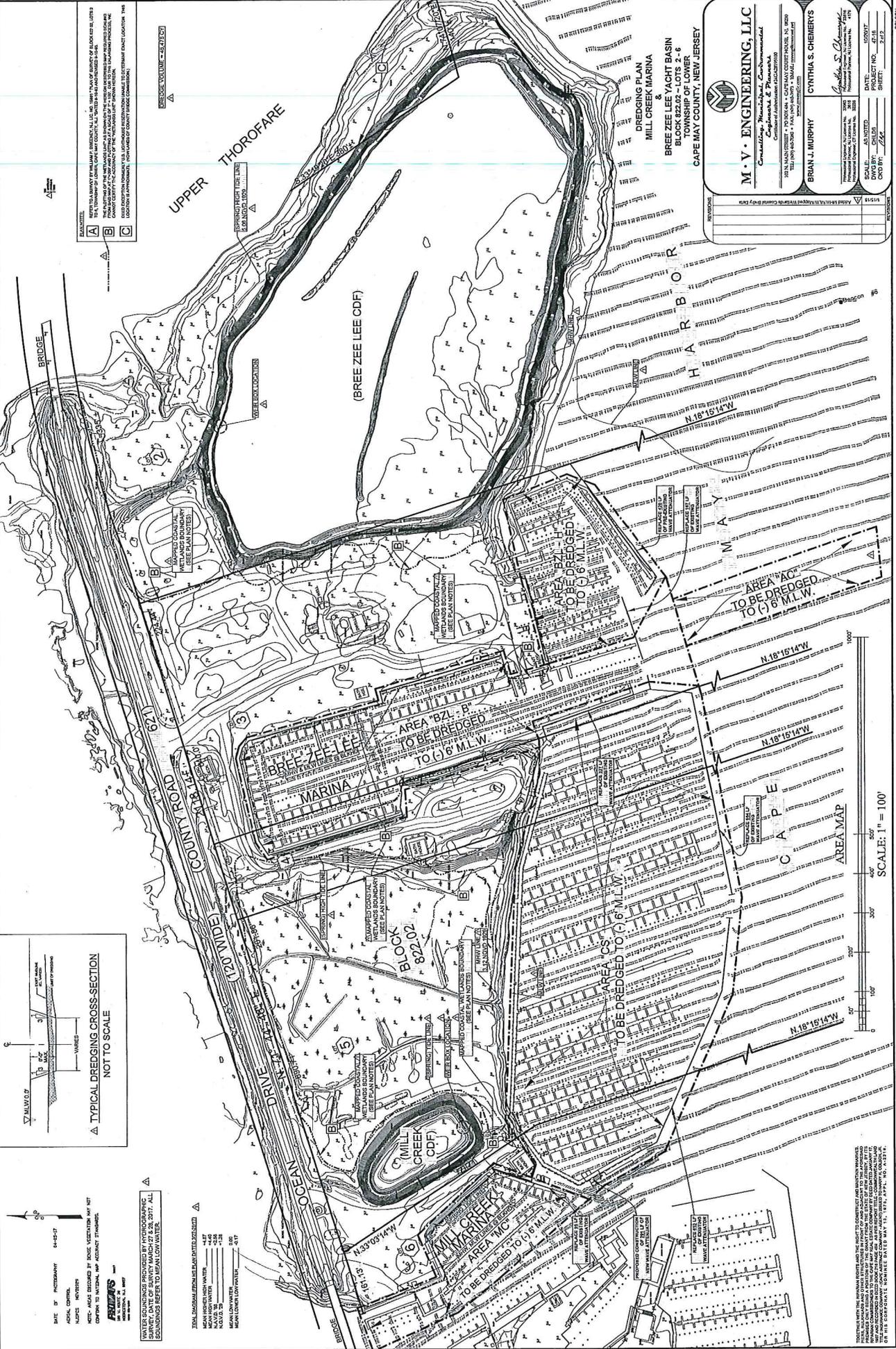
Additional information concerning this permit application may be obtained by calling James Boyer at (215) 656-5826, by electronic mail to James.N.Boyer@usace.army.mil, or by writing to this office at the above address.

Edward E. Bonner
Chief, Regulatory Branch



NJ Plane Coordinates: N(y) = 44,051 feet E(x) = 382,330 feet
SOURCE: USGS Quadrangle Location Map Cape May Quadrant **FIGURE 2**
 1" = 2000'

<p>M V ENGINEERING, LLC 102 N. Main Street P.O. Box 484 Cape May Court House, NJ 08210 (609)465-7080 tel (609)465-3973 fax E-mail: mveng@comcast.net</p>	<p>PROJECT SITE: Mill Creek Marina & Bree Zee Lee Yacht Basin Block 822.02 Lots 2 - 6 Township of Lower Cape May County, New Jersey</p> <p>PROJECT NO.: 47-16</p>
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DATE OF PHOTOGRAPHY 04-25-17
 AERIAL CONTROL
 NOTES: HEIGHTS DERIVED BY BENCH, OR OTHERWISE, MAY NOT CORRELATE TO NATIONAL MAP HEIGHTS / ELEVATIONS.
ASPIRUS
 ENGINEERS, INC.
 1000 ROUTE 100
 SUITE 200
 FREEHOLD, NJ 07728
 TEL: 732-329-1000
 FAX: 732-329-1001
 WWW.ASPIRUSINC.COM

VERTICAL DATUM: NAVD83
 HORIZONTAL DATUM: NAD83
 TOTAL DRAINAGE AREA: 1.56 ACRES
 MEAN HIGH TIDE WATER: 4.27
 MEAN LOW TIDE WATER: 2.28
 MEAN SEA LEVEL: 3.25
 MEAN LOW WATER: 1.26
 MEAN LOW WATER MINUS TWO FEET: -0.77

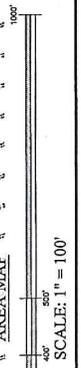
REPLY TO: M.V. ENGINEERING, LLC, 1000 ROUTE 100, SUITE 200, FREEHOLD, NJ 07728
 THE LOCATION OF THE MARINA AND YACHT BASIN AS SHOWN ON THIS DREDGING PLAN IS AN APPROXIMATE LOCATION AND DOES NOT REPRESENT THE EXACT LOCATION OF THE MARINA AND YACHT BASIN.
 THE LOCATION OF THE MARINA AND YACHT BASIN IS APPROXIMATELY AS SHOWN ON THIS DREDGING PLAN.
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 THE LOCATION OF THE MARINA AND YACHT BASIN IS APPROXIMATELY AS SHOWN ON THIS DREDGING PLAN.

M.V. ENGINEERING, LLC
 CONSULTING ENGINEERS, ARCHITECTS, PLANNERS & PHOTOGRAMMETERS
 1000 ROUTE 100, SUITE 200, FREEHOLD, NJ 07728
 TEL: 732-329-1000 FAX: 732-329-1001
 WWW.MVENGINEERING.COM

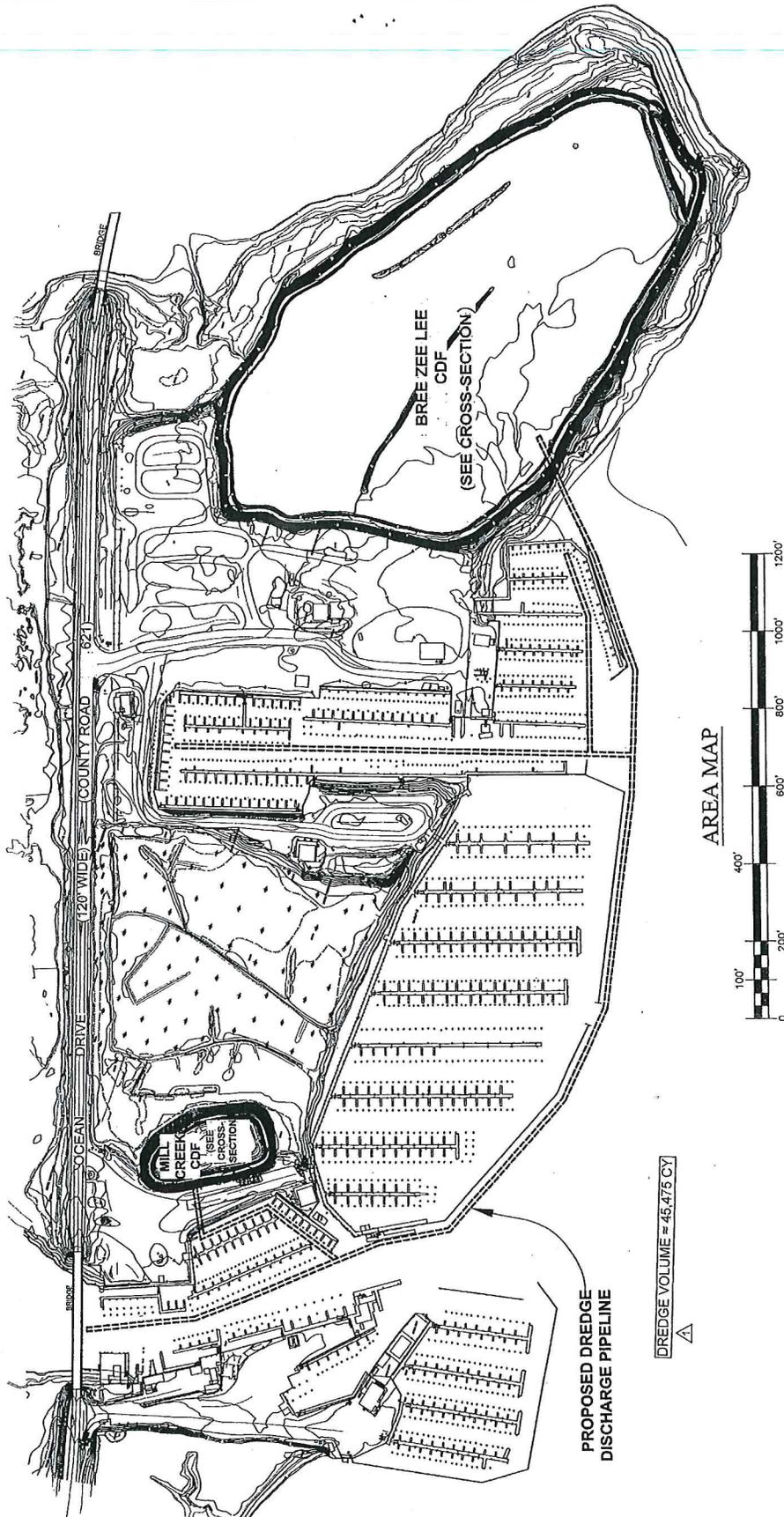
BRIAN J. MURPHY
 PROFESSIONAL ENGINEER, NJ License No. 3682
 PROFESSIONAL ARCHITECT, NJ License No. 2005

CYNTHIA S. CHERIERS
 PROFESSIONAL ARCHITECT, NJ License No. 2191
 PROFESSIONAL ENGINEER, NJ License No. 3682

DATE: 05/02/17
 PROJECT NO.: 27-16
 DRAWN BY: CHERIERS
 CHECKED BY: JZEV



TOGETHER WITH THE SURVEY NOTES AND THE REST TO COMPLETION AND MAINTENANCE DRAWINGS, THIS DREDGING PLAN IS A PART OF THE CONTRACT DOCUMENTS FOR THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF THE DATA AND INFORMATION PROVIDED HEREON AND TO BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF NEW JERSEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF NEW JERSEY.



DREDGE VOLUME = 45,475 CY

APPLICATION NOTES:

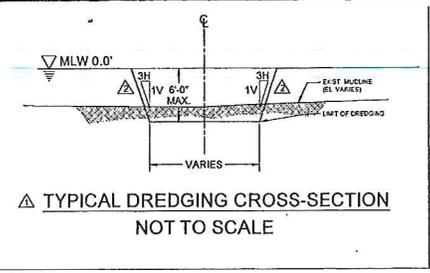
1. **Applicant/Owner:**
 Harlo, Inc. & Jenlo, Inc.
 400 Portsmouth Road
 Cape May, NJ 08204
2. **Project Description:**
 The Applicant proposes maintenance dredging of approximately 45,475 CY of sediment by hydraulic methods, to restore existing marina basins to elevation (-) 6.0' MLW. Dredged sediments will be discharged into the two (2) on-site confined disposal facilities (CDF's). In addition, 2,326 LF ± of existing / approved wave attenuators are proposed to be replaced in-place, and 291 LF ± of additional wave attenuator are proposed to be constructed.
3. These plans are intended to be conceptual only, for the purpose of obtaining agency approvals to dredge the marina basins. These plans do not represent a land survey as defined by N.J.S.A. 45:8-28(e). These plans are based on deeds of record, tax maps, surveys, field measurements and other information.

**DREDGING PLAN
 MILL CREEK MARINA
 &
 BREE ZEE LEE YACHT BASIN
 BLOCK 822.02 ~ LOTS 2 - 6
 TOWNSHIP OF LOWER
 CAPE MAY COUNTY, NEW JERSEY**

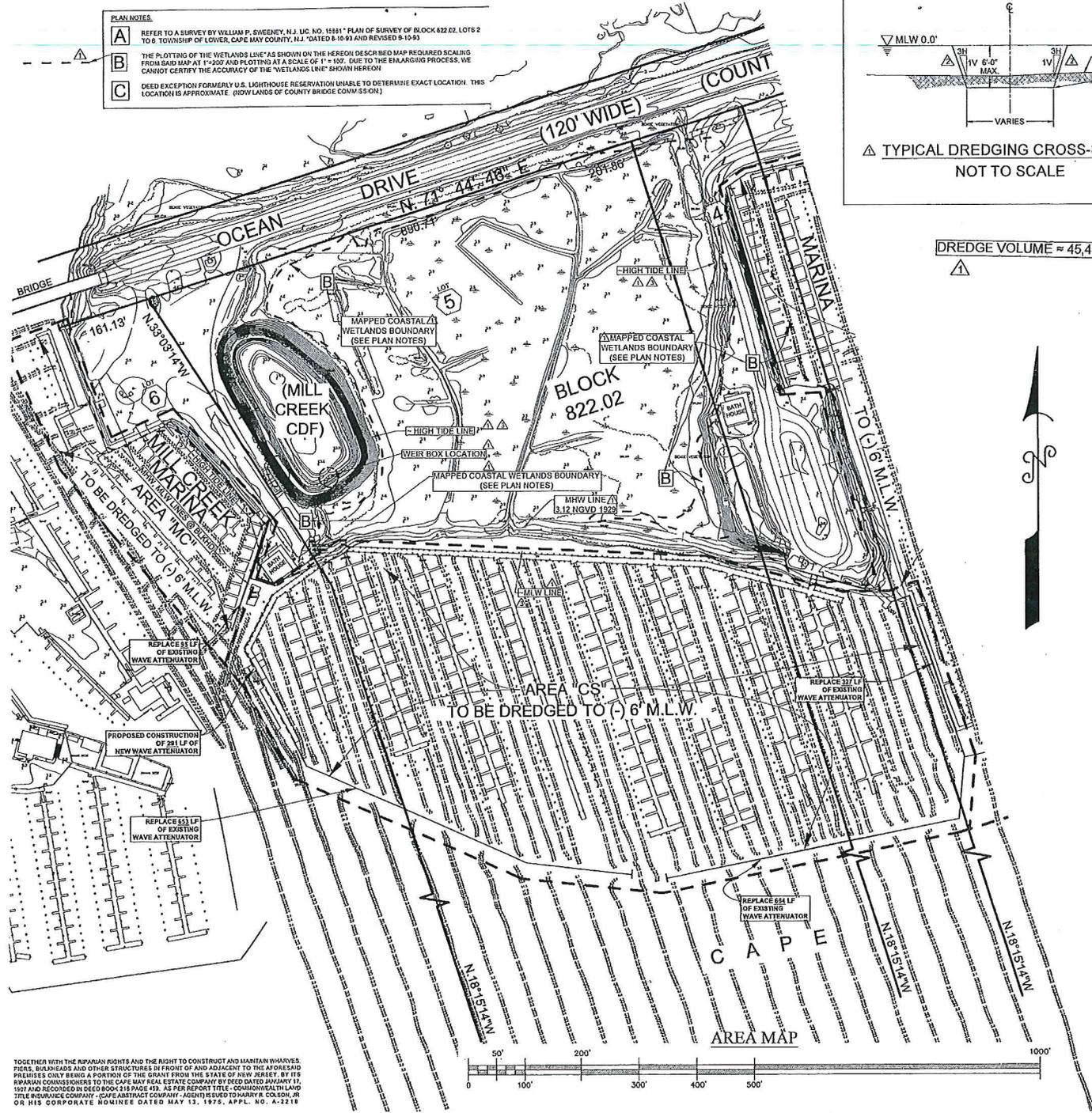
<p align="center">M · V · ENGINEERING, LLC Consulting, Municipal, Environmental Engineers & Planners Certificate of Authorization #26CA2191010</p> <p align="center">102 N. MAIN STREET • PO BOX 484 • CAPE MAY COURT HOUSE, NJ 08210 TEL: (609) 485-7000 • FAX: (609) 485-7073 • EMAIL: mveng@mveng.com www.mveng.com</p>	
<p>BRIAN J. MURPHY</p> <p>Professional Engineer, NJ License No. 33293 Professional Planner, NJ License No. 33115 Professional Engineer (EIT) License No. 33124</p>	<p>CYNTHIA S. CHERMERS</p> <p><i>Cynthia S. Chermers</i> Professional Engineer, NJ License No. 33116 Professional Planner, NJ License No. 4173</p>
<p>SCALE: AS NOTED DWG BY: CHL/SS CKD BY: <i>CHL</i></p>	<p>DATE: 5-2-10 PROJECT NO.: 47-10 SHEET: 2 of 6</p>

PLAN NOTES

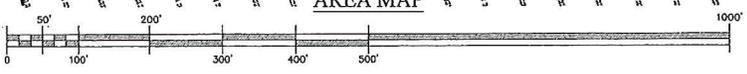
- A** REFER TO A SURVEY BY WILLIAM P. SWEENEY, N.J. LIC. NO. 15591 PLAN OF SURVEY OF BLOCK 822.02, LOTS 2 TO 6, TOWNSHIP OF LOWER, CAPE MAY COUNTY, N.J. DATED 8-10-93 AND REVISED 9-10-93
- B** THE PLOTTING OF THE WETLANDS LINE AS SHOWN ON THE HEREON DESCRIBED MAP REQUIRED SCALING FROM SAID MAP AT 1"=200' AND PLOTTING AT A SCALE OF 1"=100'. DUE TO THE ENLARGING PROCESS, WE CANNOT CERTIFY THE ACCURACY OF THE WETLANDS LINE SHOWN HEREON
- C** DEED EXCEPTION FORMERLY U.S. LIGHTHOUSE RESERVATION UNABLE TO DETERMINE EXACT LOCATION. THIS LOCATION IS APPROXIMATE. (NOW LANDS OF COUNTY BRIDGE COMMISSION)



DREDGE VOLUME ≈ 45,475 CY



TOGETHER WITH THE RIPARIAN RIGHTS AND THE RIGHT TO CONSTRUCT AND MAINTAIN WHARVES, PIER, BULKHEADS AND OTHER STRUCTURES IN FRONT OF AND ADJACENT TO THE FORESAID PREMISES ONLY BEING A PORTION OF THE GRANT FROM THE STATE OF NEW JERSEY, BY ITS RIPARIAN COMMISSIONERS TO THE CAPE MAY REAL ESTATE COMPANY BY DEED DATED JANUARY 17, 1927 AND RECORDED IN REC. BOOK 216 PAGE 451, AS PER REPORT TITLE: COMMONWEALTH LAND TITLE INSURANCE COMPANY, CAPE ABSTRACT COMPANY, AGENTS IS SUED TO HARRY R. COLSON, JR OR HIS CORPORATE NOMINEE DATED MAY 13, 1975, APP. NO. A-2119



**DREDGING PLAN
MILL CREEK MARINA
&
BREE ZEE LEE YACHT BASIN
BLOCK 822.02 ~ LOTS 2 - 6
TOWNSHIP OF LOWER
CAPE MAY COUNTY, NEW JERSEY**

<p>M·V· ENGINEERING, LLC Consulting, Municipal, Environmental Engineers & Planners Certificate of Authorization #20CA219510D</p>	
<p>102 N. MAIN STREET • PO BOX 484 • CAPE MAY COURT HOUSE, NJ 08210 TEL: (609) 465-7063 • FAX: (609) 465-7073 • EMAIL: mveeng@comcast.net www.mveeng.com</p>	
<p>BRIAN J. MURPHY Professional Engineer, NJ License No. 33283 Professional Engineer, NJ License No. 38115 Professional Engineer, CT License No. 32250</p>	<p>CYNTHIA S. CHERMERS <i>Cynthia S. Chermers</i> Professional Engineer, NJ License No. 33116 Professional Engineer, NJ License No. 4179</p>
<p>SCALE: AS NOTED DWG BY: CSH/DB CHKD BY: CSH</p>	<p>DATE: 5-2-18 PROJECT NO: 47-16 SHEET: 3 of 8</p>



DATE OF PHOTOGRAPHY 04-05-17

AERIAL CONTRL
N.JSPCS NGVD1929

NOTE- AREAS OBSCURED BY DENSE VEGETATION MAY NOT
CONFORM TO NATIONAL MAP ACCURACY STANDARDS.

PLANS
310217
180 W. ROUTE 38
MOORESDOWN, N.J. 08057
609-691-1650

WATER SOUNDINGS PROVIDED BY HYDROGRAPHIC
SURVEY, DATE OF SURVEY MARCH 27 & 28, 2017. ALL
SOUNDINGS REFER TO MEAN LOW WATER.

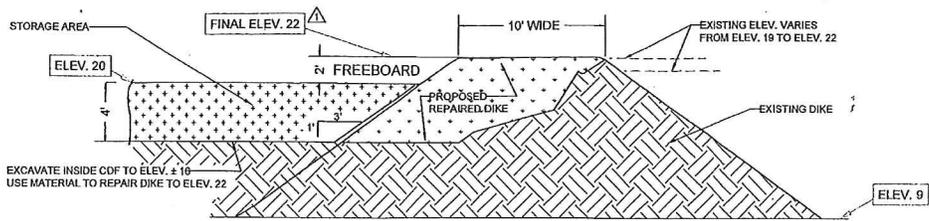
TIDAL DIAGRAM (FROM HS PLAN DATED 3/27-28/17)

MEAN HIGHER HIGH WATER	+4.87
MEAN HIGH WATER	+4.40
N.A.V.D. '88	+2.58
N.G.V.D. '29	+1.28
MEAN LOW WATER	0.00
MEAN LOWER LOW WATER	-0.17

**DREDGING PLAN
MILL CREEK MARINA
&
BREE ZEE LEE YACHT BASIN
BLOCK 822.02 ~ LOTS 2 - 6
TOWNSHIP OF LOWER
CAPE MAY COUNTY, NEW JERSEY**

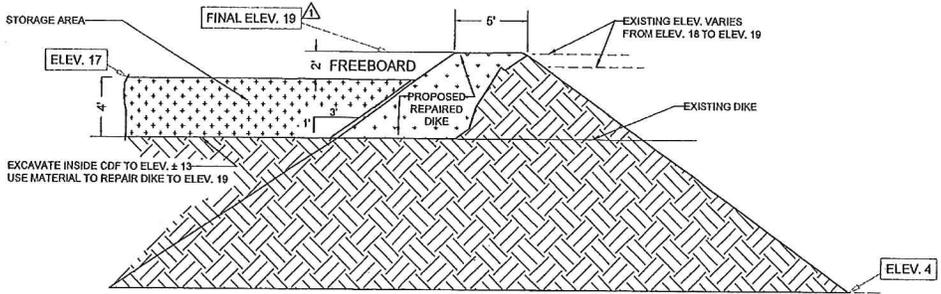
<p align="center">M · V · ENGINEERING, LLC Consulting, Municipal, Environmental Engineers & Planners Certificate of Authorization #2GA2819300</p> <p>102 N. MAIN STREET • PO BOX 484 • CAPE MAY COURT HOUSE, NJ, 08210 TEL: (609) 665-7000 • FAX: (609) 665-3923 • EMAIL: mveeng@comcast.net www.mveeng.com</p>	
<p>BRIAN J. MURPHY Professional Engineer, NJ License No. 32083 Professional Planner, NJ License No. 18116 Professional Engineer, CA License No. 32035</p>	<p>CYNTHIA S. CHERMERS <i>Cynthia S. Chermers</i> Professional Engineer, NJ License No. 33316 Professional Planner, NJ License No. 4197</p>
<p>SCALE: AS NOTED DWG BY: CHS CKD BY: JSC</p>	<p>DATE: 5-2-18 PROJECT NO.: 17-16 SHEET: 4 of 6</p>

Cut/Fill Summary						
Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
2017 EG vs A	1.000	1.000	737309.87 Sq. Ft.	167.16 Cu. Yd.	77002.27 Cu. Yd.	76835.11 Cu. Yd.<Fill>
Totals			737309.87 Sq. Ft.	167.16 Cu. Yd.	77002.27 Cu. Yd.	76835.11 Cu. Yd.<Fill>

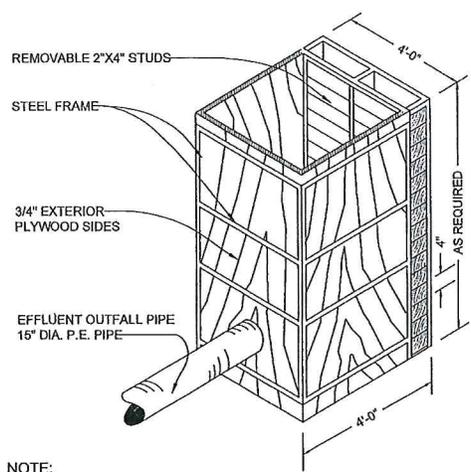


TYPICAL SECTION - CDF DIKE REPAIR & STORAGE
@ BREE ZEE LEE YACHT BASIN
(N.T.S.)

Cut/Fill Summary						
Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
EG vs 17	1.000	1.000	39173.44 Sq. Ft.	498.49 Cu. Yd.	3633.87 Cu. Yd.	3135.38 Cu. Yd.<Fill>
Totals			39173.44 Sq. Ft.	498.49 Cu. Yd.	3633.87 Cu. Yd.	3135.38 Cu. Yd.<Fill>



TYPICAL SECTION - CDF DIKE REPAIR & STORAGE @ MILL CREEK MARINA
(N.T.S.)



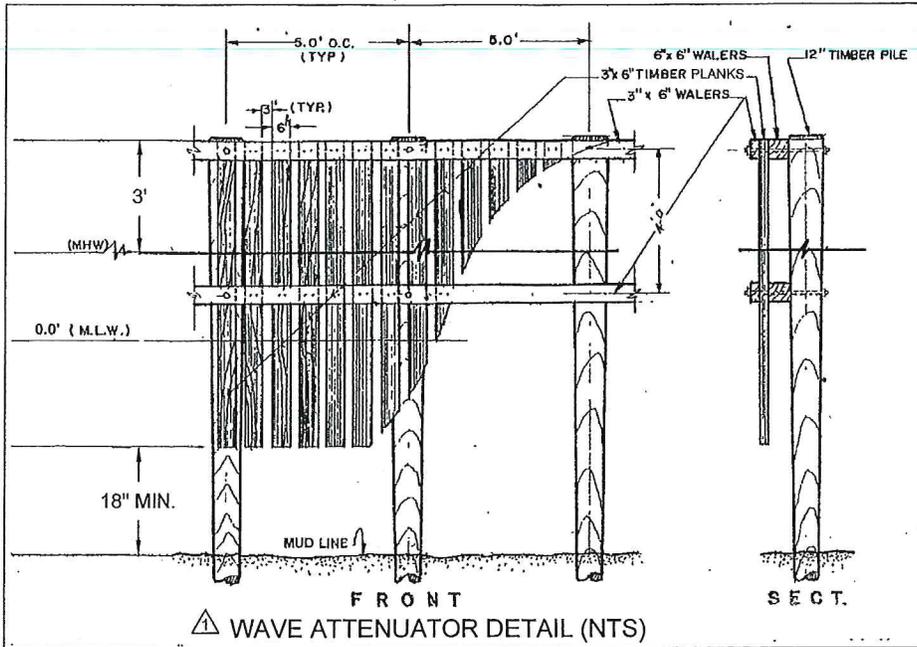
NOTE:
TO BE SECURED AT BASE
WITH SAND BAGS

WEIR BOX DETAIL
NOT TO SCALE

NOTE:
TOP AND SIDES OF THE WEIR BOX
TO BE SECURED FROM ENTRANCE
AND VANDALISM.
OPTION OF SECURITY MAY INCLUDE
12" X 12" GRID OF REINFORCED
STEEL SECURED TO WEIR BOX

DREDGING PLAN
MILL CREEK MARINA
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BREE ZEE LEE YACHT BASIN
BLOCK 822.02 ~ LOTS 2 - 6
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CAPE MAY COUNTY, NEW JERSEY

 M · V · ENGINEERING, LLC Consulting, Municipal, Environmental Engineers & Planners Certificate of Authorization #21CA2818100 102 N. MAIN STREET • PO BOX 484 • CAPE MAY COURT HOUSE, N.J. 08210 TEL: (609) 465-7000 • FAX: (609) 465-3923 • EMAIL: cmeng@comcast.net www.mveng.com	
BRIAN J. MURPHY Professional Engineer, NJ License No. 32063 Professional Planner, NJ License No. 3816 Professional Engineer, CA License No. 32223	CYNTHIA S. CHERMERS Professional Engineer, NJ License No. 33116 Professional Planner, NJ License No. 4192
SCALE: AS NOTED DWG BY: CHILDS CKD BY: asc	DATE: 5-2-18 PROJECT NO.: 47-18 SHEET: 5 of 9



**DREDGING PLAN
MILL CREEK MARINA
&
BREE ZEE LEE YACHT BASIN
BLOCK 822.02 ~ LOTS 2 - 6
TOWNSHIP OF LOWER
CAPE MAY COUNTY, NEW JERSEY**

REVISIONS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 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