



**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-2007-158-24

Date  
OCT 18 2007

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).

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:** Holgate Cove Enterprises LLC

**AGENT:** Taylor, Wiseman and Taylor  
1000 Airport Road, Suite 101  
Lakewood, New Jersey 08701

**WATERWAY:** Little Egg Harbor Bay

**LOCATION:** 5410 West Avenue, on the north side of McKinley Avenue, Block 1.09, Lots 1.06 and 1.07, in Long Beach Township, Ocean County, New Jersey.

**ACTIVITY:** The applicant proposes to reconstruct and reconfigure a marina. The proposed project includes mechanical maintenance dredging (plus new dredging) and replacement of a bulkhead.

All existing structures waterward of the bulkhead would be removed, including: a 306.4 X 5.5' main dock (perpendicular to the shoreline), with a 20.2 X 5.0' "T" section at the end; a 20 X 5.1' dock along the bulkhead; a 44.7 X 4.7' dock along the northern property line; three (3) timber breakwaters totaling 121 feet in length (associated with the main dock); all pilings associated with the docks and breakwaters; 188 linear feet of timber bulkhead with associated pilings; and 46 mooring piles.

It is proposed to install a new floating dock system using polyethylene resin pontoons, non-polluting composite or vinyl-wrapped untreated timber structural members, and vinyl decking. The main dock would be 281 X 8' (perpendicular to the shoreline). It would extend from a 23 X 9' section, which would receive a 22 X 3" aluminum gangway connected to the shoreline at the proposed bulkhead. A 78 X 12' floating wave attenuator is proposed to be attached to the waterward end of the main dock (also of non-polluting composite or vinyl-wrapped untreated timber and vinyl decking). A total of 27 finger piers are proposed, all 3' wide except for a 5' wide base, and of varying lengths: 20' (2), 18' (2), 16' (2), 14' (6) and 12' (15). A total of 79

mooring piles are proposed, 10" in diameter. Approximately 75 additional pilings are required for construction of the docks and wave attenuator. Approximately 174 linear feet of new vinyl bulkhead would be installed with 24 new pilings, using non-polluting composite or vinyl-wrapped untreated timber for pilings and structural members. The new bulkhead would be installed in the same location as the existing one, except where a new alignment is proposed near the southern property boundary (adjacent to McKinley Avenue). At this location, approximately 50 linear feet of the bulkhead would be relocated landward to create an additional 500 square feet of water-flowed area out of existing uplands. The proposed structures would extend a maximum of approximately 325 feet waterward of the mean high water line, and would be approximately 1,300 feet from the Federal navigation channel (New Jersey Intracoastal Waterway).

The applicant also proposes to perform maintenance dredging as well as new dredging within the marina. Dredging would be by mechanical (bucket) method, to a depth of 4 feet below mean low water. A total of 2,250 cubic yards of sandy sediments would be dredged from about 1.07 acres, including the 500 square feet of upland removal referenced above (190 cubic yards). Approximately 0.28 acre of water area is identified as "maintenance dredge area" (i.e. previously dredged). Approximately 0.78 acre of the proposed dredging area within the marina has not been dredged previously. The dredged material would be placed directly onto the adjacent upland property before being transported to the Ocean County Landfill for final disposal. The landfill is located on the south side of Route 70 at Green Acres Road, Block 2, Lots 6 and 59, in Manchester Township, Ocean County, New Jersey. The applicant has requested authorization for maintenance dredging of any authorized areas for 10 years. This office has issued a previous permit in 1995 for maintenance dredging of this marina, which authorized maintenance dredging through 2005 (CENAP-OP-R-199402224).

The applicant has also applied for authorization from the New Jersey Department of Environmental Protection. The State's file number for this action is 1517-07-0024.1.

**PURPOSE:** The applicant's stated purpose for the project is to restore and improve recreational use of the marina.

A preliminary review of this application indicates that the proposed work would not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

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 15 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

Review of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion therein are located within the permit area of the work.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). A preliminary assessment of the species listed in the "Guide to Essential Fish Habitat Designations in the Northeastern United States, Volume IV: New Jersey and Delaware", dated March 1999, specifically page 33, indicates that the proposed project, as described in this public notice, may have an adverse effect on the EFH of winter flounder (Pseudopleuronectes americanus). This determination is made based on the fact that shallow water habitat (proposed to be dredged) would be impacted by the project. Additional impacts would occur from removal of existing structures (including pilings and bulkheading) and installation of new structures (including pilings and a bulkhead). While the adults and juveniles are highly motile, and would be able to avoid the equipment being used at the project site, eggs and larvae of these species may be affected. Any Department of the Army permit issued for the proposed work would include a seasonal restriction on dredging operations, as well as pulling of pilings or other activities that may introduce sediments into the waterway, in order to ensure that impacts resulting from the project would not be more than minimal. The seasonal restriction would prohibit dredging and removal of pilings and bulkheading from January 1 through May 31. The specific dates may be adjusted following coordination with the National Marine Fisheries Service. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination. The project would not have more than minimal impact on the EFH of any other managed species.

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.

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 between the hours of 1:00 and 3:30 p.m. or writing this office at the above address.

  
for Frank J. Cianfrani  
Chief, Regulatory Branch



(E-1)

**LOCATION MAP**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS

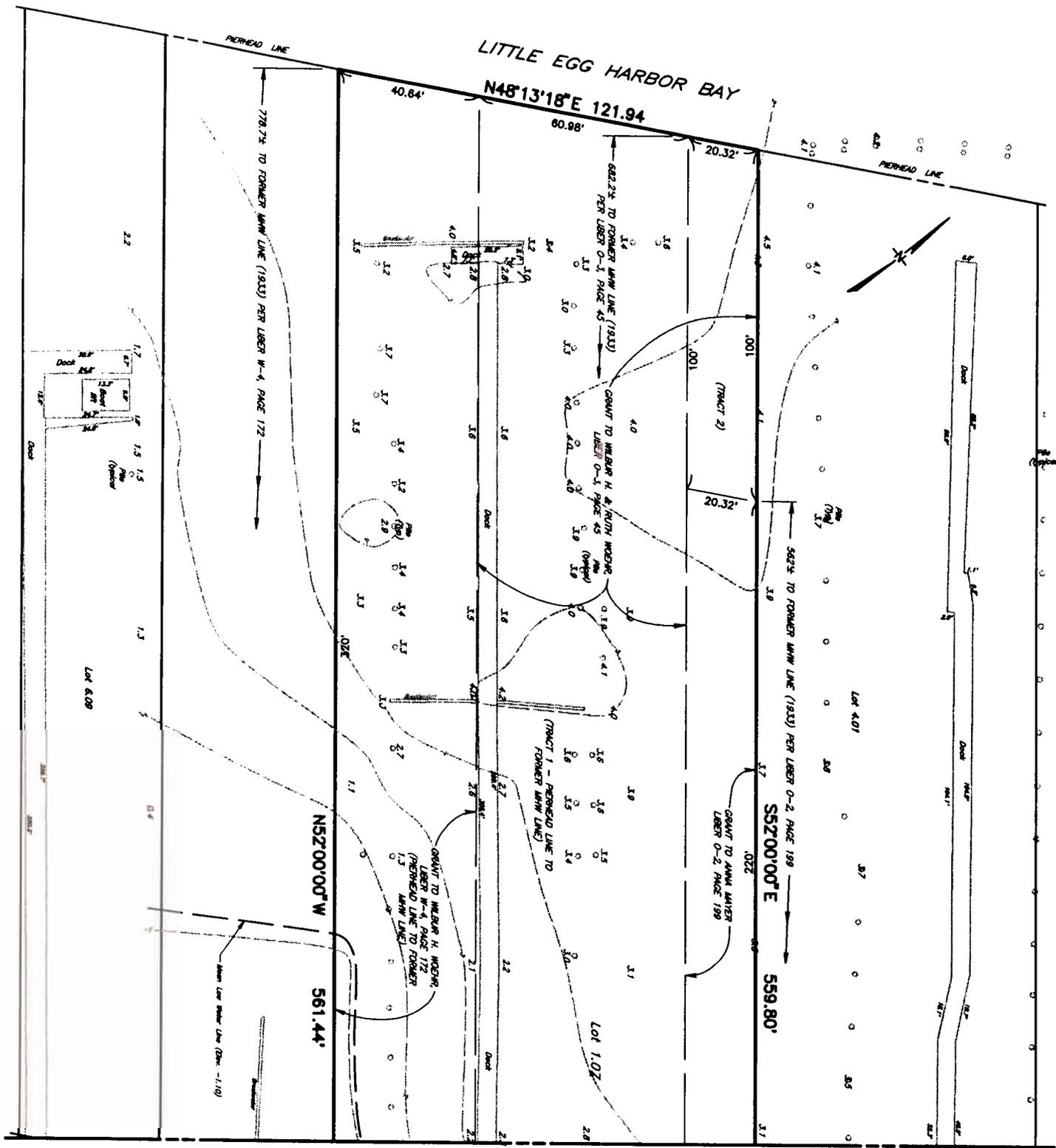
P.O. Box 391 - 52 Hyers Street, Tom's River, New Jersey 08754  
 Phone No. 732-349-2215      Fax No. 732-349-4127  
 Certificate of Authorization #24GA27927500

**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007	DRAWN BY: SA.	7/31/07	RENUMBERED SHEET	DS
SCALE: NTS	CHECKED BY: RJR	DATE	REVISION	BY
		PROJECT NO. 05G3352	SHEET NO. 1 OF 22	

PLANNED 11/27/07 11:01 AM



MATCH LINE A

(E-2)

# SURVEY MAP

BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

## ERNST, ERNST & LISSENDEN

ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127

Certificate of Authorization #24GA27927500

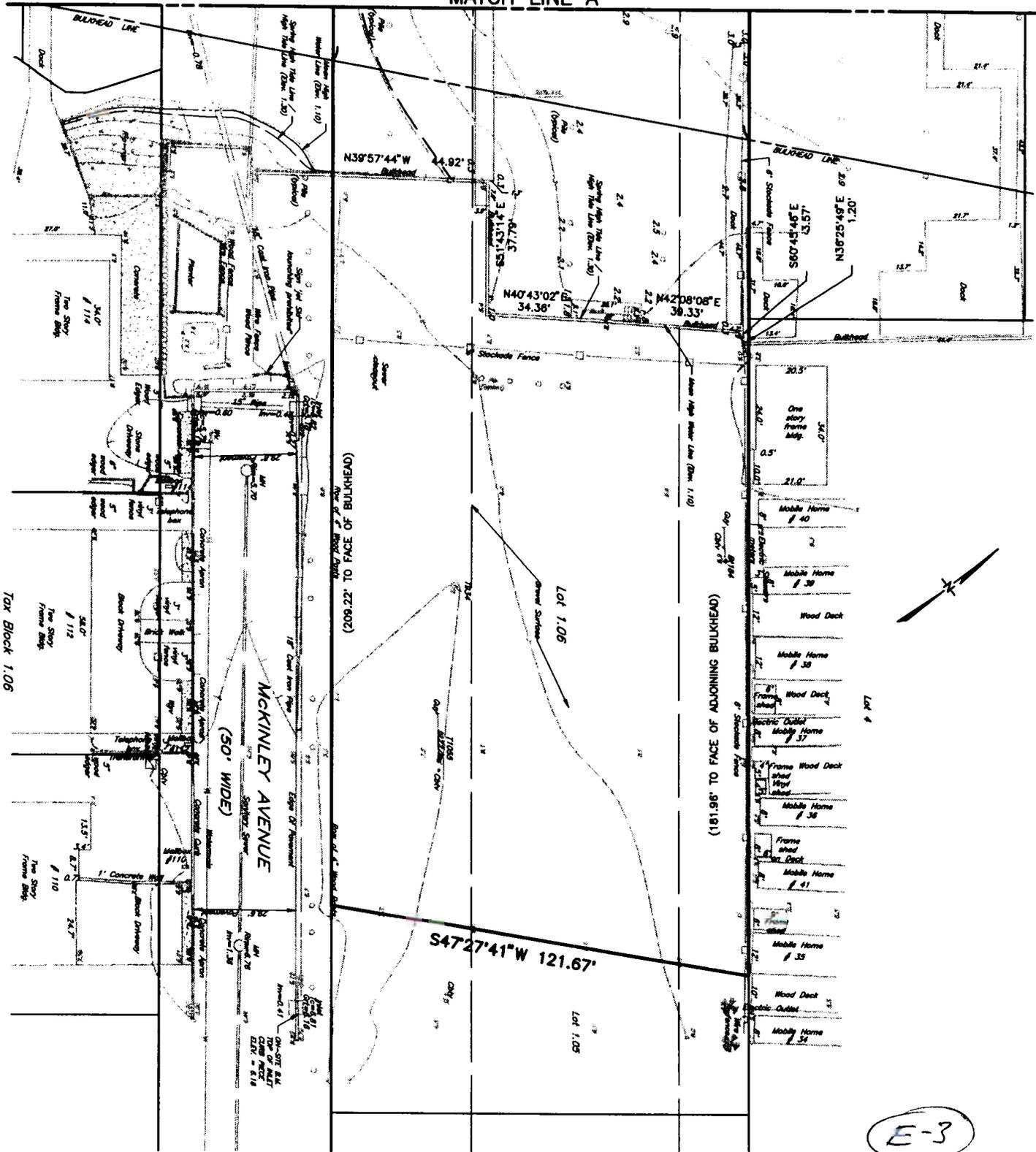
*Carl P. Werner*

**CARL P. WERNER**

PROFESSIONAL LAND SURVEYOR  
 N.J. LICENSE No. 30094

DATE: MAY 31, 2007	DRAWN BY: SA.	7/31/07	RENUMBERED SHEET	DS
SCALE: 1"=40'	CHECKED BY: RJR	DATE	REVISION	BY
PROJECT NO. 05G3352			SHEET NO. 2 OF 22	

MATCH LINE A



E-3

# SURVEY MAP

BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754

Phone No. 732-349-2215 Fax No. 732-349-4127

Certificate of Authorization #24GA27927500

*Carl P. Werner*

**CARL P. WERNER**

PROFESSIONAL LAND SURVEYOR  
N.J. LICENSE No. 30094

DATE: MAY 31, 2007

DRAWN BY: SA.

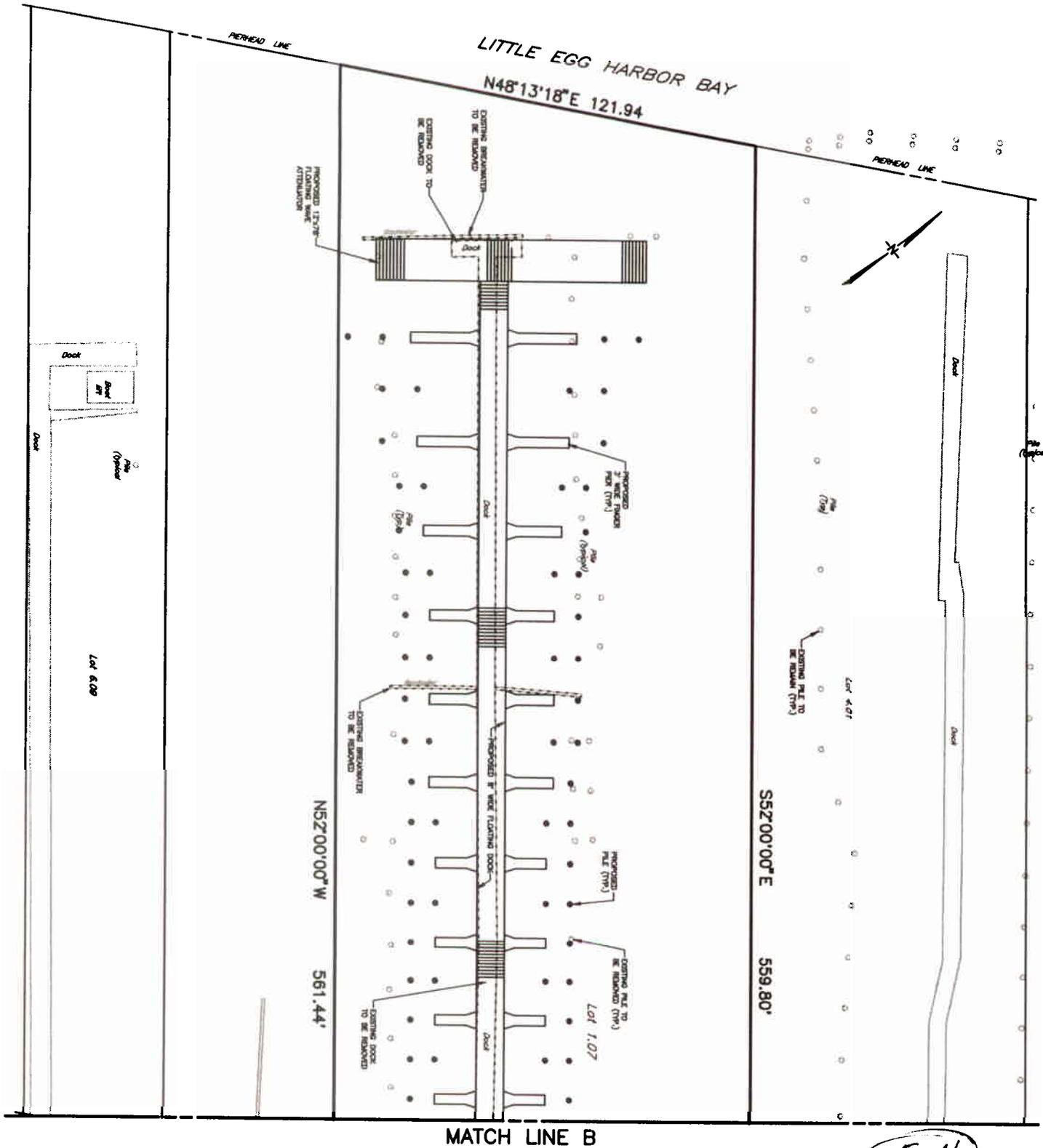
8/24/07 HIGH TIDE/SPRING HIGH TIDE CLARIFICATION DS

SCALE: 1" = 40'

CHECKED BY: RJR

DATE REVISION BY

PROJECT NO. 05G3352 SHEET NO. 3 OF 22



MATCH LINE B

E-4

**OVERALL MAP**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC  
 LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY  
**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS  
 P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127  
 Certificate of Authorization #24GA27927500

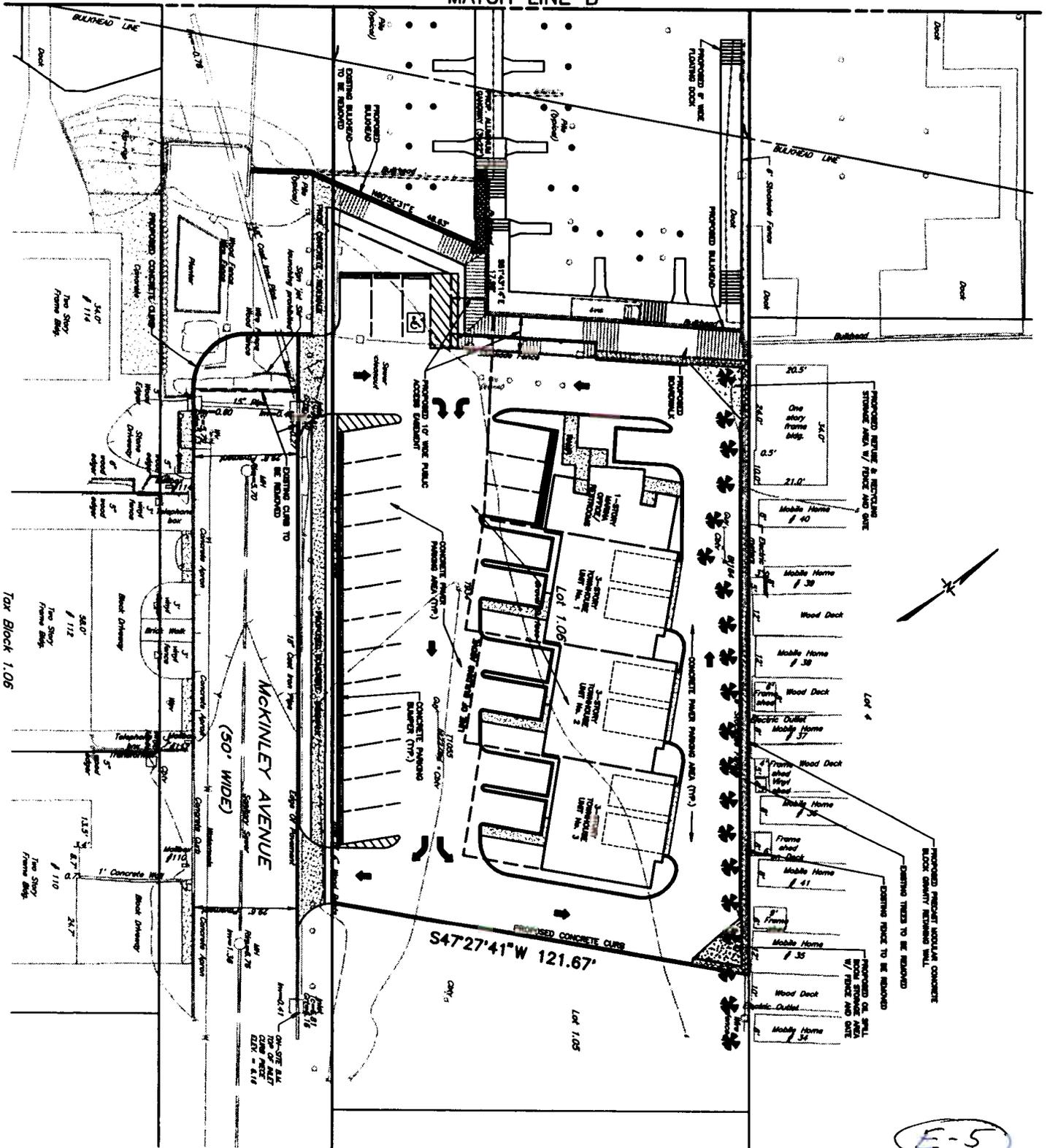
DATE: MAY 31, 2007      DRAWN BY: SA.  
 SCALE: 1" = 40'      CHECKED BY: RJR

**ROBERT J. ROMANO**  
 PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

7/31/07	RENUMBERED SHEET	DS
DATE	REVISION	BY
PROJECT NO. 05G3352		SHEET NO. 4 OF 22

P.L. 11-11-01

MATCH LINE B



E-5

**OVERALL MAP**

BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

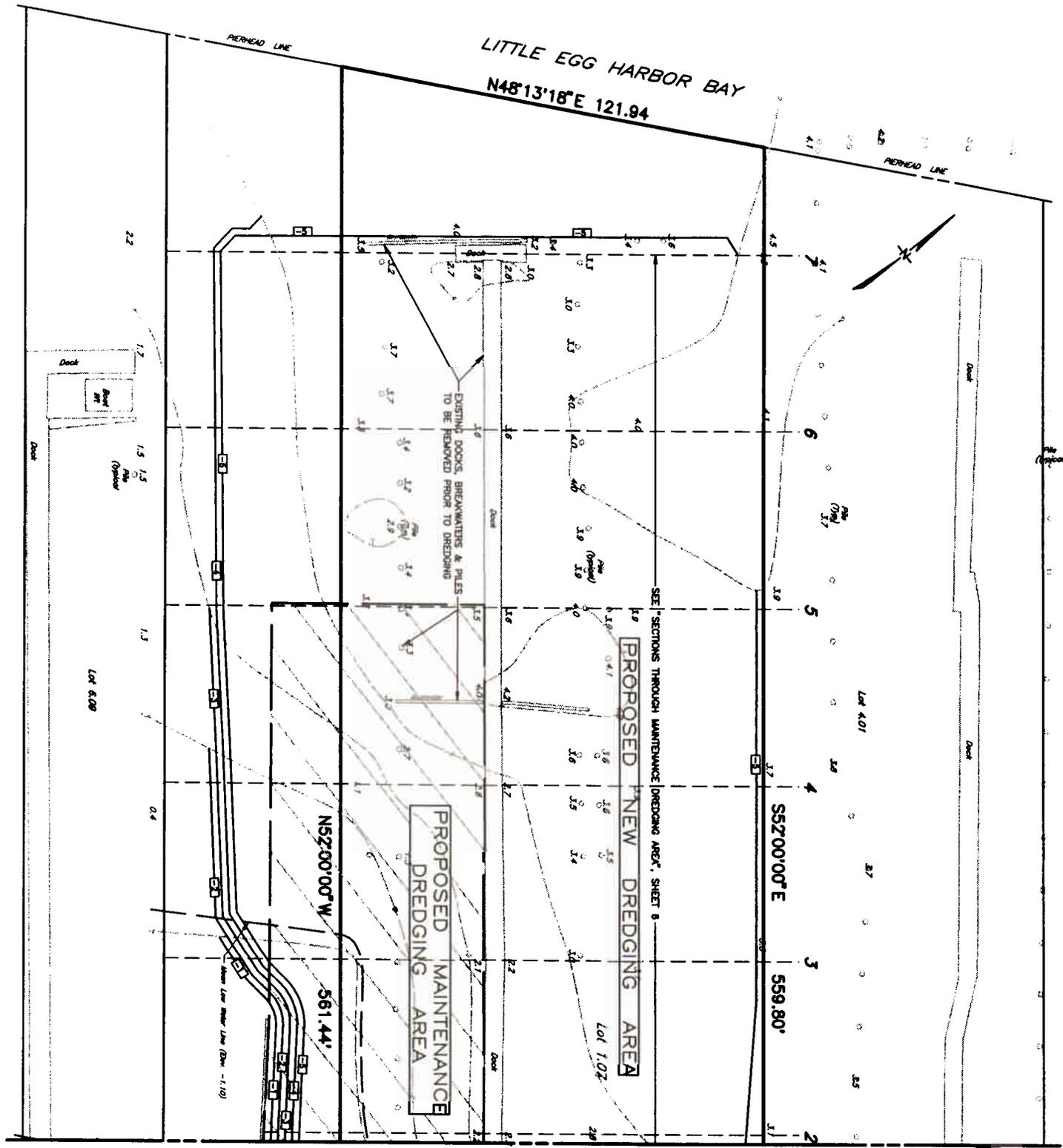
**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Hysers Street, Toms River, New Jersey 08754  
Phone No. 732-349-2215 Fax No. 732-349-4127

Certificate of Authorization #24GA27927500

*RJR*  
**ROBERT J. ROMANO**  
PROFESSIONAL ENGINEER  
N.J. LICENSE No. 25906

DATE: MAY 31, 2007	DRAWN BY: SA.	9/10/07	REVISED SIDEWALKS	DS
SCALE: 1"=40'	CHECKED BY: RJR	DATE	REVISION	BY
PROJECT NO. 05G3352			SHEET NO. 5 OF 22	



**DREDGING MAP**  
 BLOCK 1.09 , LOTS 1.06 & 1.07  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC

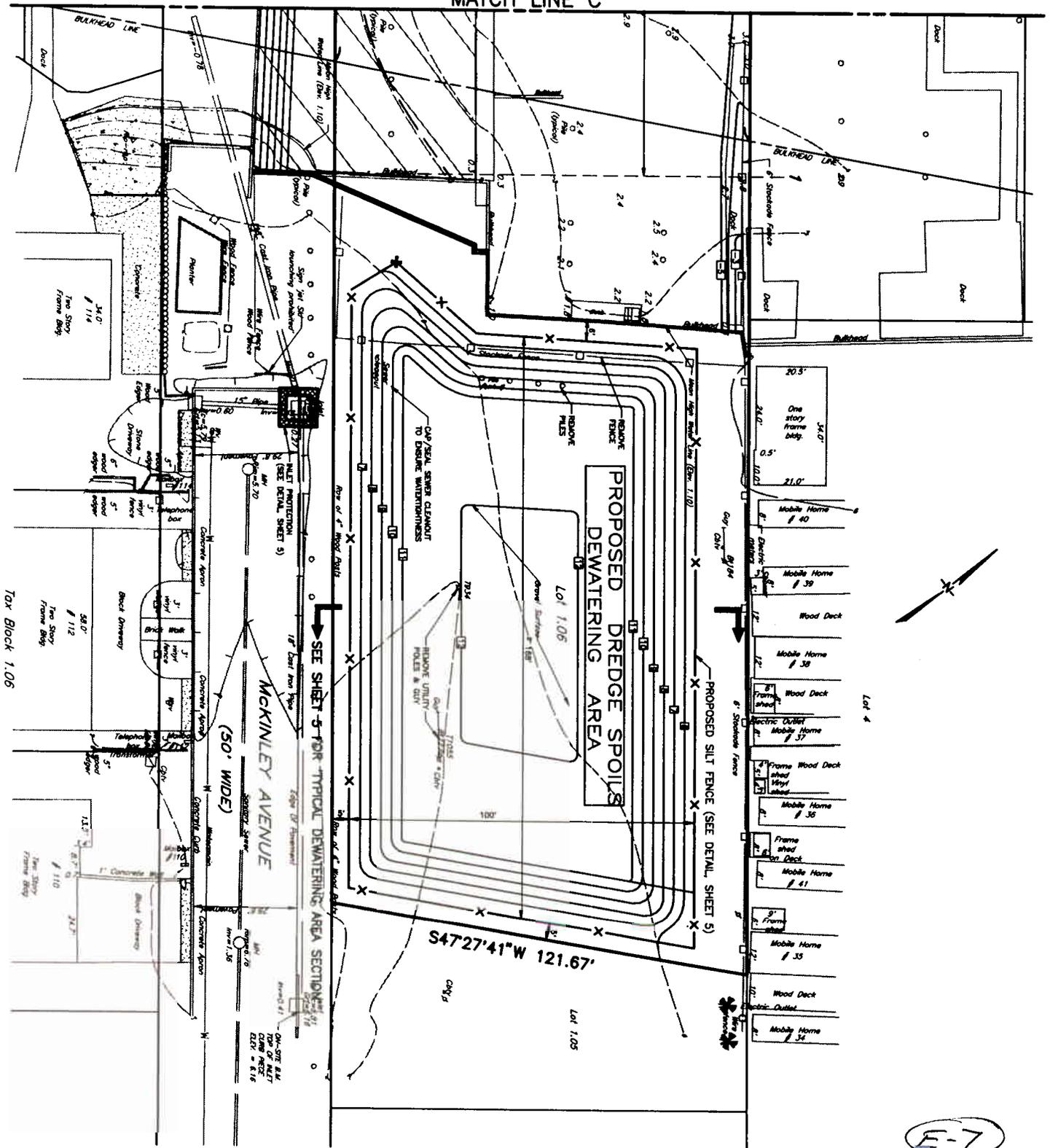
LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS  
 P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127  
 Certificate of Authorization #24GA27927500

*Robert J. Romano*  
**ROBERT J. ROMANO**  
 PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007	DRAWN BY: SA.	7/31/07	RENUMBERED SHEET	DS
SCALE: 1"=40'	CHECKED BY: RJR	DATE	REVISION	BY
		PROJECT NO. 05G3352	SHEET NO. 6 OF 22	

MATCH LINE C



(E-7)

**DREDGING MAP**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS

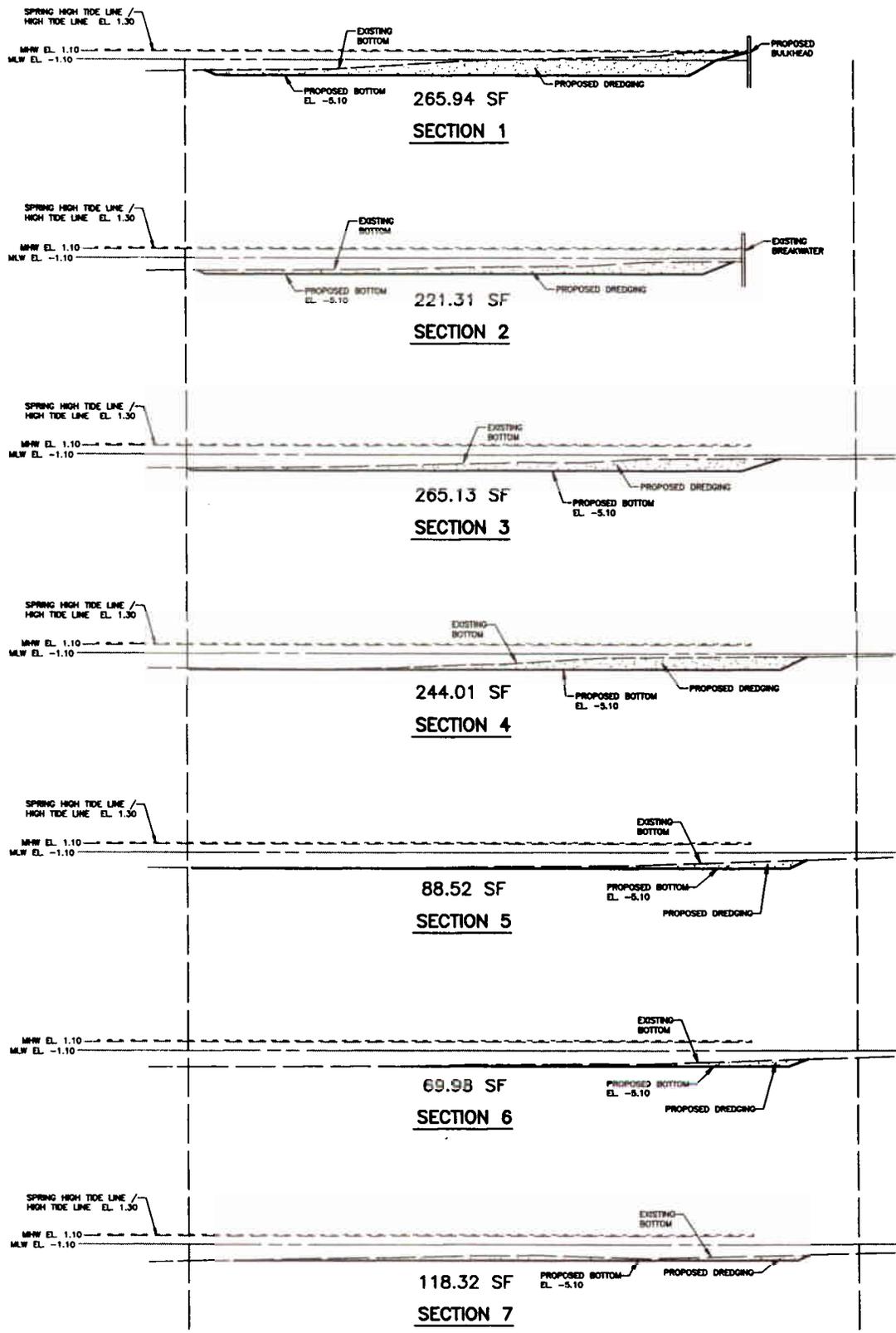
P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127  
 Certificate of Authorization #24GA27927500

*Robert J. Romano*  
**ROBERT J. ROMANO**  
 PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007  
 SCALE: 1"=40'

DRAWN BY: SA.  
 CHECKED BY: RJR

7/31/07	RENUMBERED SHEET	DS
DATE	REVISION	BY
PROJECT NO. 05G3352	SHEET NO. 7 OF 22	



(E-8)

**CROSS SECTIONS**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC

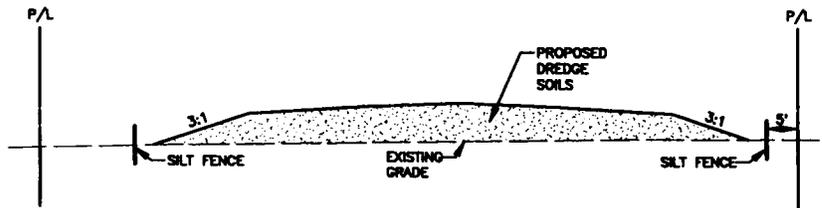
LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127  
 Certificate of Authorization #24GA27927500

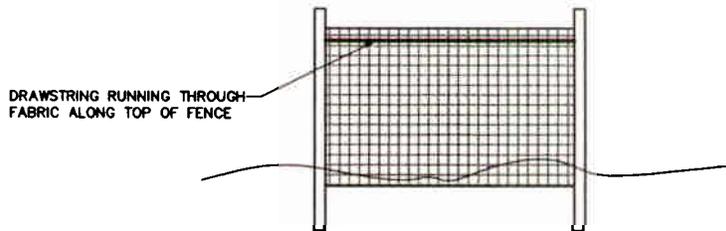
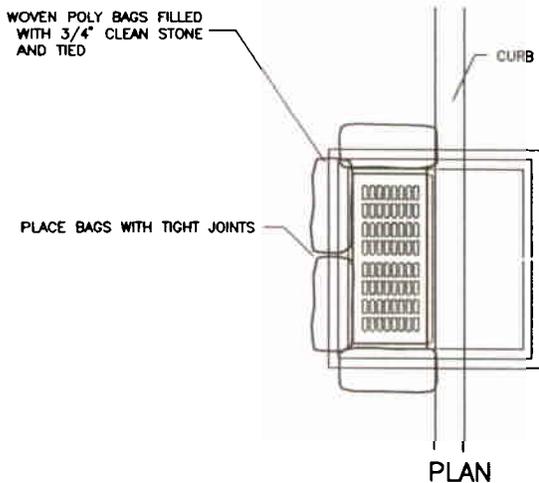
*Robert J. Romano*  
**ROBERT J. ROMANO**  
 PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007	DRAWN BY: SA.	DATE: 8/24/07	HIGH TIDE/SPRING HIGH TIDE CLARIFICATION	DS
SCALE: 1"=40'	CHECKED BY: RJR	DATE:	REVISION	BY:
PROJECT NO. 05G3352			SHEET NO. 8 OF 22	



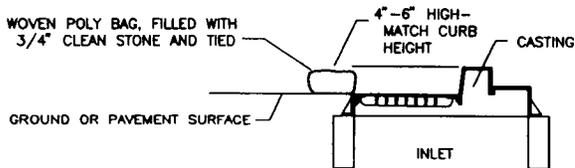
**TYPICAL DEWATERING AREA SECTION**

SCALE: 1" = 30'



**NOTE:**

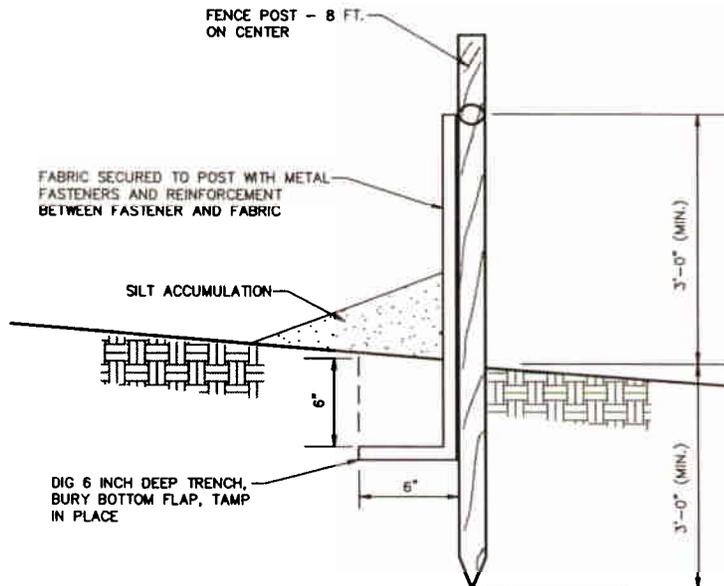
1. NO STONE OR FILTERS SHALL BE PLACED OVER INLET OPENING.
2. STONE FILLED BAGS NOT TO OBSTRUCT FLOW TO AN EXTENT THAT A FLOODING HAZARD IS CREATED.



**SECTION**

TYPE 'B' INLET

**STORM SEWER  
INLET PROTECTION**



**DEWATERING SILT FENCE DETAIL**

**E-9**

**CROSS SECTIONS**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

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P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127  
 Certificate of Authorization #24GA27927500

**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007

DRAWN BY: SA.

SCALE: AS NOTED

CHECKED BY: RJR

7/31/07

RENUMBERED SHEET

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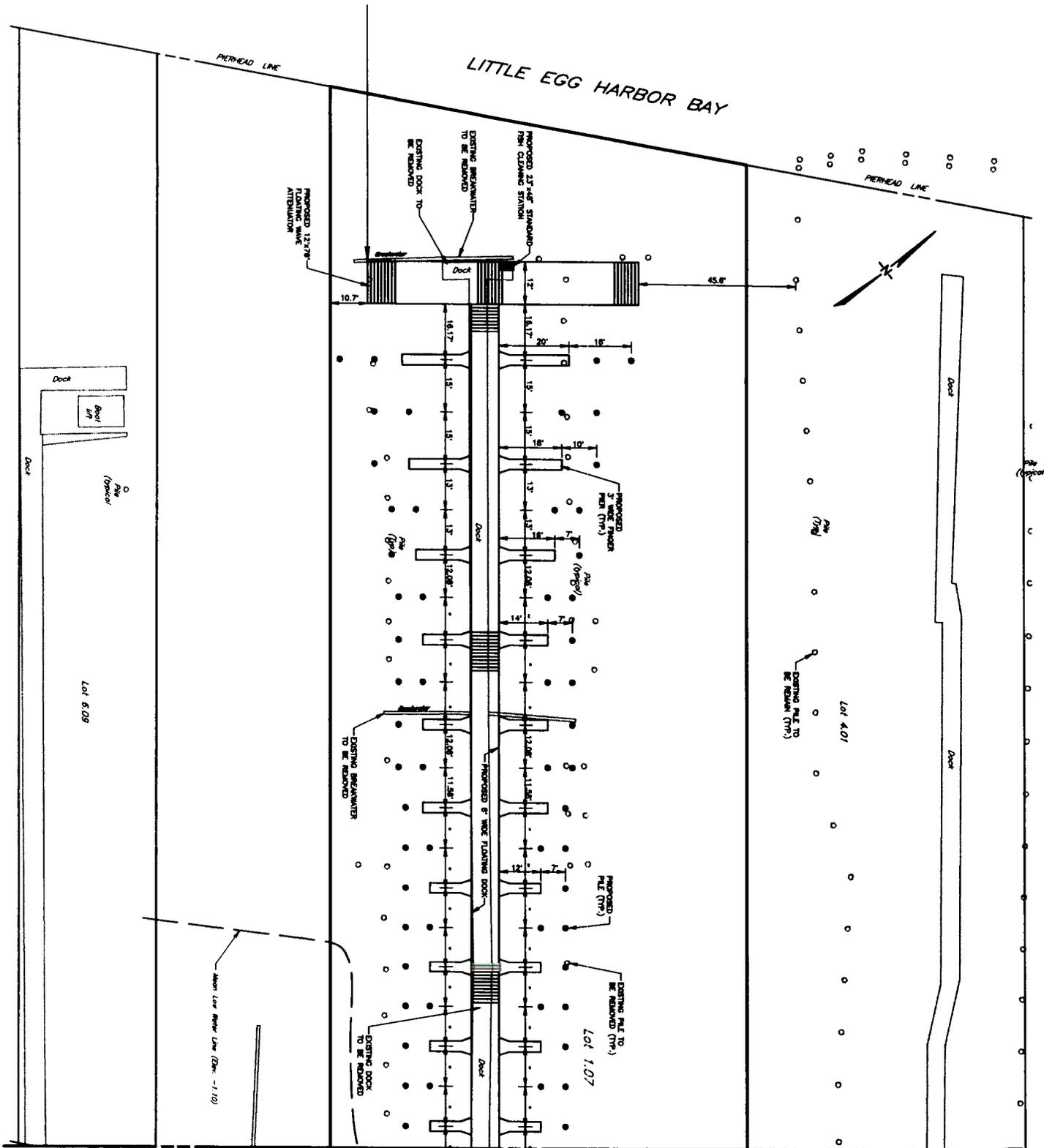
DATE

REVISION

BY

PROJECT NO. 05G3352

SHEET NO. 9 OF 22



E-10

**WATERFRONT DEVELOPMENT MAP**  
 BLOCK 1.09 , LOTS 1.06 & 1.07  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC  
 LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY  
**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS  
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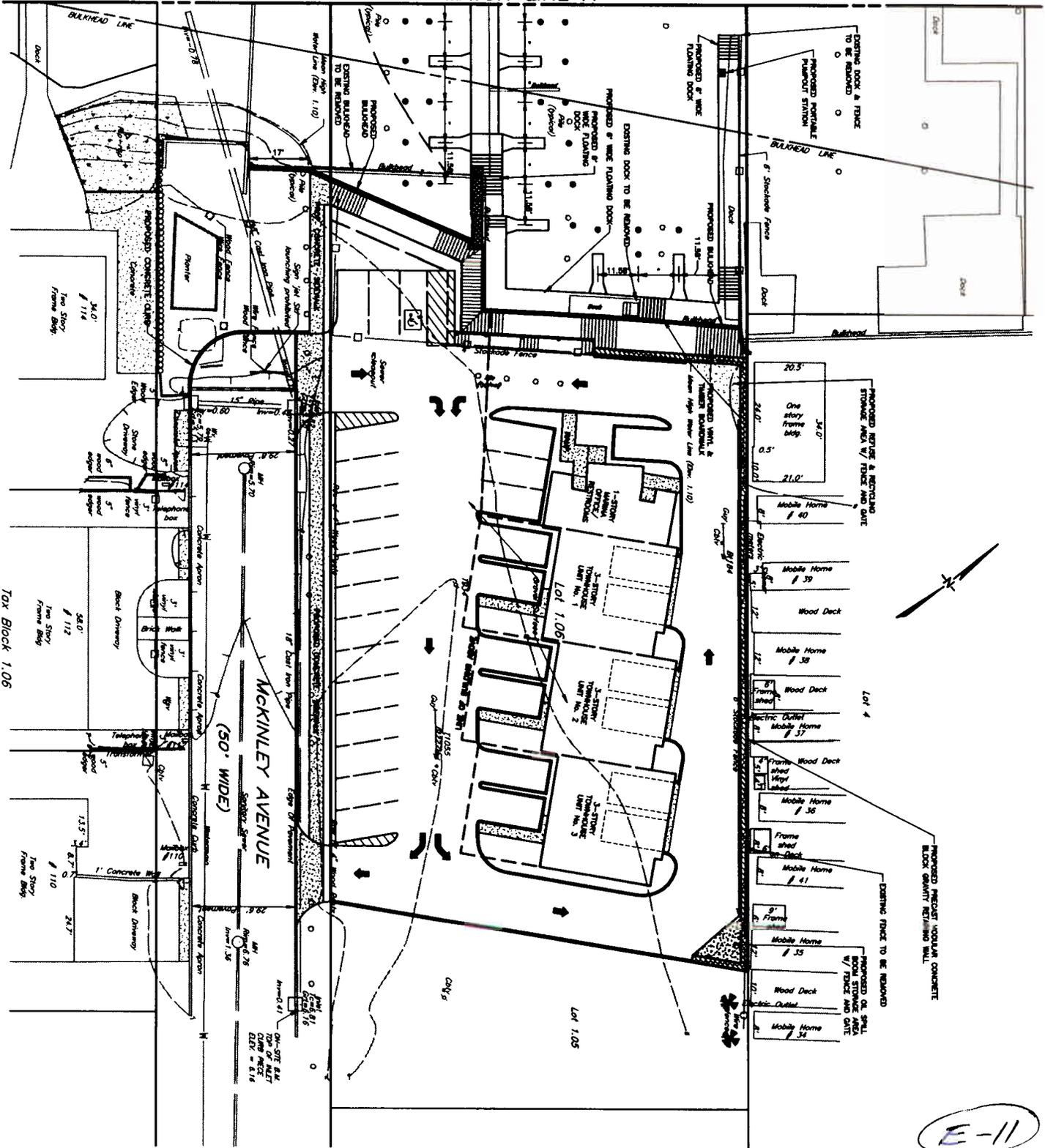
DATE: MAY 31, 2007  
 SCALE: 1"=40'

DRAWN BY: SA.  
 CHECKED BY: RJR

**ROBERT J. ROMANO**  
 PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

7/31/07	RENUMBERED SHEET	DS
DATE	REVISION	BY
PROJECT NO. 05G3352	SHEET NO. 10 OF 22	

MATCH LINE A



E-11

**SITE LAYOUT PLAN**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
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**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007

DRAWN BY: SA.

SCALE: NTS

CHECKED BY: RJR

9/10/07

REVISED SIDEWALKS

DS

DATE

REVISION

BY

PROJECT NO. 05G3352

SHEET NO. 11 OF 22

**GENERAL NOTES**

- PROPERTY SURVEY CONDUCTED DURING THE MONTH OF FEBRUARY, 2006.
- TOTAL TRACT AREA IS 67,279.79 SQ. FT. OR 1.545 ACRES.
- PROPERTY ALSO KNOWN AS LOTS 1.06 & 1.07 IN BLOCK 1.09 AS SHOWN ON A PLAT ENTITLED "FINAL SUBDIVISION PLAT MAJOR SUBDIVISION LOTS 2, 2.01, 3, 3.01, 5 & 5.01 BLOCK 1.09", LONG BEACH TOWNSHIP, OCEAN COUNTY, NEW JERSEY, FILED JAN. 24, 2006 IN THE OCEAN COUNTY CLERK'S OFFICE AS MAP NO. K-3505.
- A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM THE ULTIMATE USER PURSUANT TO P.L. 2003, c.14 (N.J.S.A. 45:8-36.3) AND N.J.A.C. 13:40-5.1(d).
- ELEVATIONS BASED ON NAVD 1988 DATUM OBTAINED BY BENCH RUN FROM MONUMENT RM #4 ON ST. JAMES; ELEV. = 6.02 . ON-SITE BENCH MARK: TOP OF INLET CURB PIECE ON NORTH SIDE OF MCKINLEY AVENUE; ELEVATION = 6.16
- CONVERT FROM NAVD 1988 DATUM (ELEVATIONS SHOWN) TO NGVD 1929 DATUM BY ADDING 1.1' TO THE ELEVATIONS SHOWN.
- MEAN LOW WATER = ELEV. -1.10  
MEAN HIGH WATER = ELEV. 1.10  
HIGH TIDE LINE / SPRING HIGH TIDE LINE = ELEV. 1.30
- SOUNDINGS SHOWN ARE RELATIVE TO MEAN LOW WATER, ELEV. -1.10
- GRANT TO ANNA MEYER (LIBER O-2, PAGE 199) DATED SEPTEMBER 15, 1941
- GRANT TO WILBUR H. & RUTH WOEHR (LIBER O-3, PAGE 45) DATED DECEMBER 8, 1952
- GRANT TO WILBUR H. WOEHR (LIBER W-4, PAGE 172) DATED APRIL 30, 1963

**DREDGING NOTES:**

- ELEVATIONS BASED ON NAVD 1988 DATUM. ADD 1.1' TO ELEVATIONS SHOWN FOR NGVD 1929 DATUM.
- SOUNDINGS RELATIVE TO MEAN LOW WATER (ELEVATION -1.10)
- MAINTENANCE DREDGING SHALL BE PERFORMED IN ACCORDANCE WITH N.J.A.C. 7:7E-4.6. MAINTENANCE DREDGING AREA PER "MAP TO ACCOMPANY A DREDGING/WATERFRONT DEVELOPMENT APPLICATION, LOTS 2, 1.01, 3, 3.01, 5, 5.01, BLOCK 1.09, TAX MAP SHEET #4, LONG BEACH TOWNSHIP, OCEAN COUNTY, NJ", PREPARED BY HORN, TYSON & YODER, INC., REVISED TO MARCH, 1995.
- NEW DREDGING SHALL BE PERFORMED IN ACCORDANCE WITH N.J.A.C. 7:7E-4.7.
- DEPTH OF DREDGED AREAS TO BE FOUR (4') FEET DEEP AT MEAN LOW WATER ELEVATION.
- QUANTITY OF DREDGE SPOILS WILL BE APPROXIMATELY 2,250 CUBIC YARDS.
- DREDGING OPERATIONS WILL BE PERFORMED USING A BARGE-MOUNTED CRANE AND CLAMSHELL BUCKET. SILT CURTAINS OR CLOSED WATERTIGHT BUCKETS SHALL BE EMPLOYED.
- DREDGE SPOILS DEWATERING WILL TAKE PLACE ON THE UPLAND PORTION OF THE SITE UTILIZING SILT FENCE TO PROTECT WATER QUALITY.
- FOLLOWING DEWATERING, DREDGE SPOILS WILL BE PROPERLY DISPOSED OF AT THE OCEAN COUNTY LANDFILL CORPORATION (OCLC) MANCHESTER TOWNSHIP FACILITY. MATERIAL WILL BE TRANSPORTED BY TRUCK.

**WATERFRONT DEVELOPMENT NOTES:**

- TOTAL NUMBER OF PROPOSED SLIPS - 52
- PROPOSED BOAT SLIP COUNT:  
SLIPS FOR PUBLIC RENT OR LEASE - 50  
SLIPS DEEDED TO ON-SITE TOWNHOUSES - 2
- NO FUEL PUMPS ARE PROPOSED.
- PORTABLE PUMPOUT STATION WILL BE PROVIDED. PUBLIC WATER AND SEWER IS AVAILABLE TO THE SITE.
- ALL PROPOSED WATERFRONT STRUCTURES WILL BE CONSTRUCTED OF NON-POLLUTING MATERIALS (VINYL, COMPOSITE OR VINYL-WRAPPED UNTREATED TIMBER).
- FLOATING CONTAINMENT BOOMS AND ABSORBANT MATERIALS WILL BE AVAILABLE AT THE SITE. EMPLOYEES WILL BE TRAINED IN DEPLOYMENT AND OPERATION.
- AMBER PHOTOCELL-ACTIVATED LIGHTS (75 WATT MIN.) SHALL BE INSTALLED AT 50-FOOT INTERVALS FOR THE ENTIRE LENGTH OF ALL PROPOSED DOCKS AND THE PROPOSED WAVE ATTENUATOR. ADDITIONAL LIGHTS SHALL BE PLACED AT THE OUTER CORNERS OF THE WAVE ATTENUATOR. LIGHTS SHALL BE PLACED ON VERTICAL POSTS A MINIMUM OF 3 FEET ABOVE DECKING.
- REFLECTORS SHALL BE INSTALLED ON BOTH SIDES OF THE DOCK AND WAVE ATTENUATOR AT 50-FOOT INTERVALS FOR THE ENTIRE LENGTH OF THE STRUCTURES, SPACED TO FALL BETWEEN PROPOSED DOCK LIGHTS. ADDITIONAL REFLECTORS SHALL BE PLACED ON THE CORNERS OF THE WAVE ATTENUATOR.
- MOORING PILES SHALL HAVE REFLECTORS PLACED ON THEIR SIDES FURTHEST AWAY FROM THE DOCK.
- THE PROPOSED DOCK LENGTH AND WIDTH WILL NOT IMPEDE THE USE OF NEIGHBORING PROPERTIES AND IS NOT A DETRIMENT THERETO.

**E-12**

**PROJECT NOTES**

**BLOCK 1.09 , LOTS 1.06 & 1.07**

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Myers Street, Toms River, New Jersey 08754

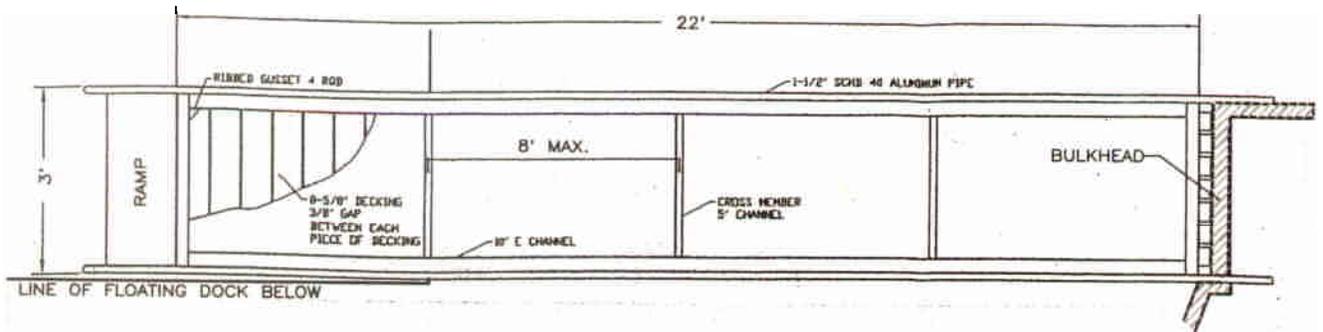
Phone No. 732-349-2215 Fax No. 732-349-4127

Certificate of Authorization #24GA27927500

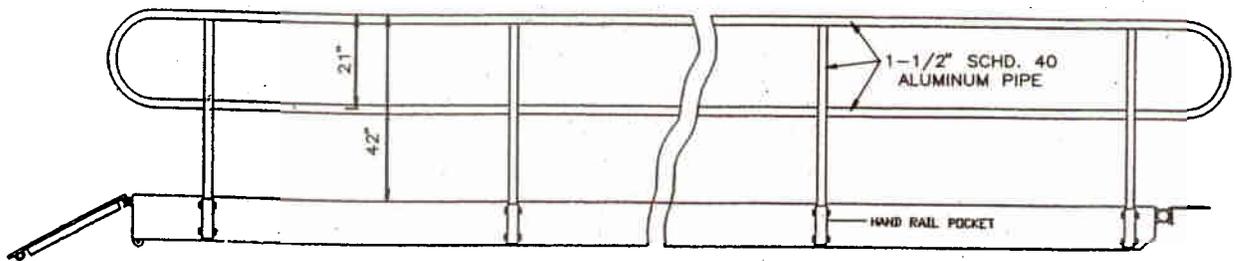
**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
N.J. LICENSE No. 25908

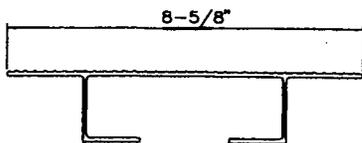
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SCALE: NTS	CHECKED BY: RJR	DATE	REVISION	BY
		PROJECT NO. 05G3352	SHEET NO. 12 OF 22	



PLAN



ELEVATION



EXTRUDED ALUM. DECKING

NOTES:

1. STRUCTURAL ALUMINUM TO BE 6061-T6 ALUMINUM ALLOY.
2. DECKING AND HANDRAILS TO BE 6063-T6 ALUMINUM ALLOY.
3. ALL HARDWARE TO BE STAINLESS STEEL.

ALUMINUM GANGWAY DETAILS

(E-13)

**WATERFRONT DETAILS**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
**ENGINEERS & SURVEYORS**

P.O. Box 391 - 52 Myers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127

Certificate of Authorization #24GA27927500

**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007

DRAWN BY: SA.

7/31/07

RENUMBERED SHEET

DS

SCALE: 1"=40'

CHECKED BY: RJR

DATE

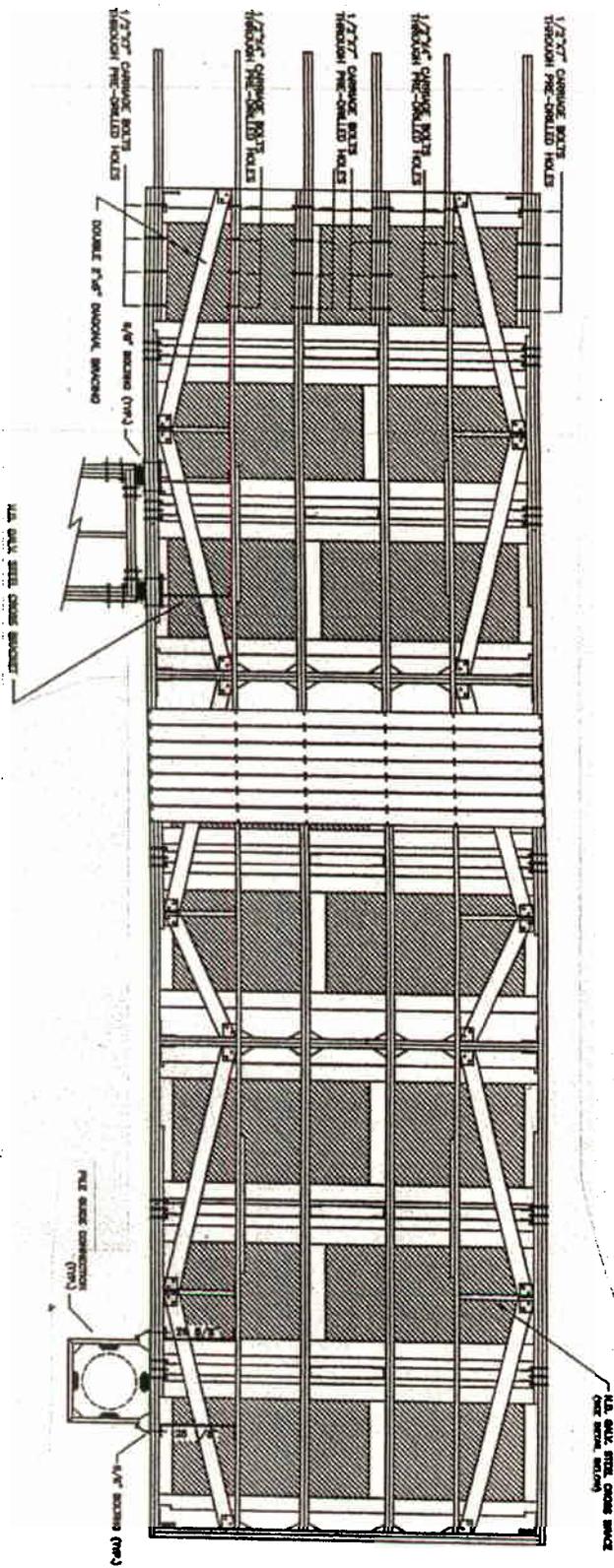
REVISION

BY

PROJECT NO. 05G3352

SHEET NO. 13 OF 22

DRAWN BY: SA. DATE: 7/31/07



FLOATING WAVE ATTENUATOR DETAILS

PLAN

NOTES:

1. ALL BOARDS TO BE COMPOSITE OR UNTREATED  
TIMBER WRAPPED IN VINYL
2. DECKING TO BE VINYL
3. ALL STRUCTURAL STEEL AND HARDWARE  
TO BE HOT DIPPED GALVANIZED, MINIMUM  
COATING 2 OUNCES/SQUARE FOOT.

NOTE:  
SEE SHEET 15 FOR FRONT  
AND SIDE ELEVATIONS.

E-14

**WATERFRONT DETAILS**  
BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Myers Street, Toms River, New Jersey 08754  
Phone No. 732-349-2215      Fax No. 732-349-4127

Certificate of Authorization #24GA27927500

**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
N.J. LICENSE No. 25906

DATE: MAY 31, 2007

DRAWN BY: SA.

CHECKED BY: RJR

SCALE: 1" = 40'

7/31/07

RENUMBERED SHEET

DS

DATE

REVISION

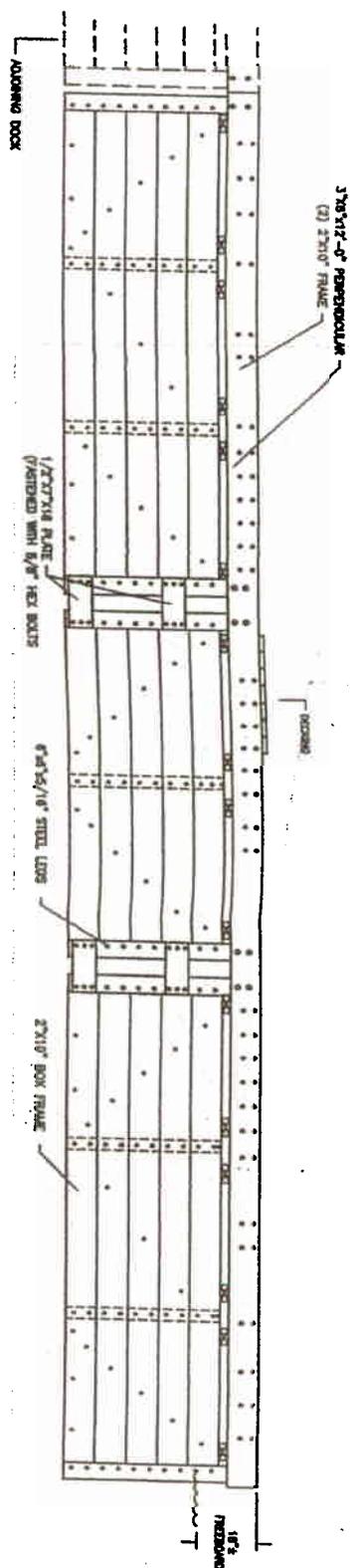
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PROJECT NO. 05G3352

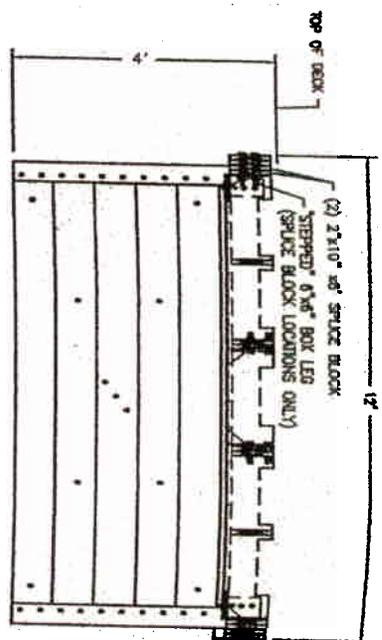
SHEET NO. 14 OF 22

FLOATING WAVE ATTENUATOR DETAILS

FRONT ELEVATION



SIDE ELEVATION



E-15

**WATERFRONT DETAILS**  
 BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS

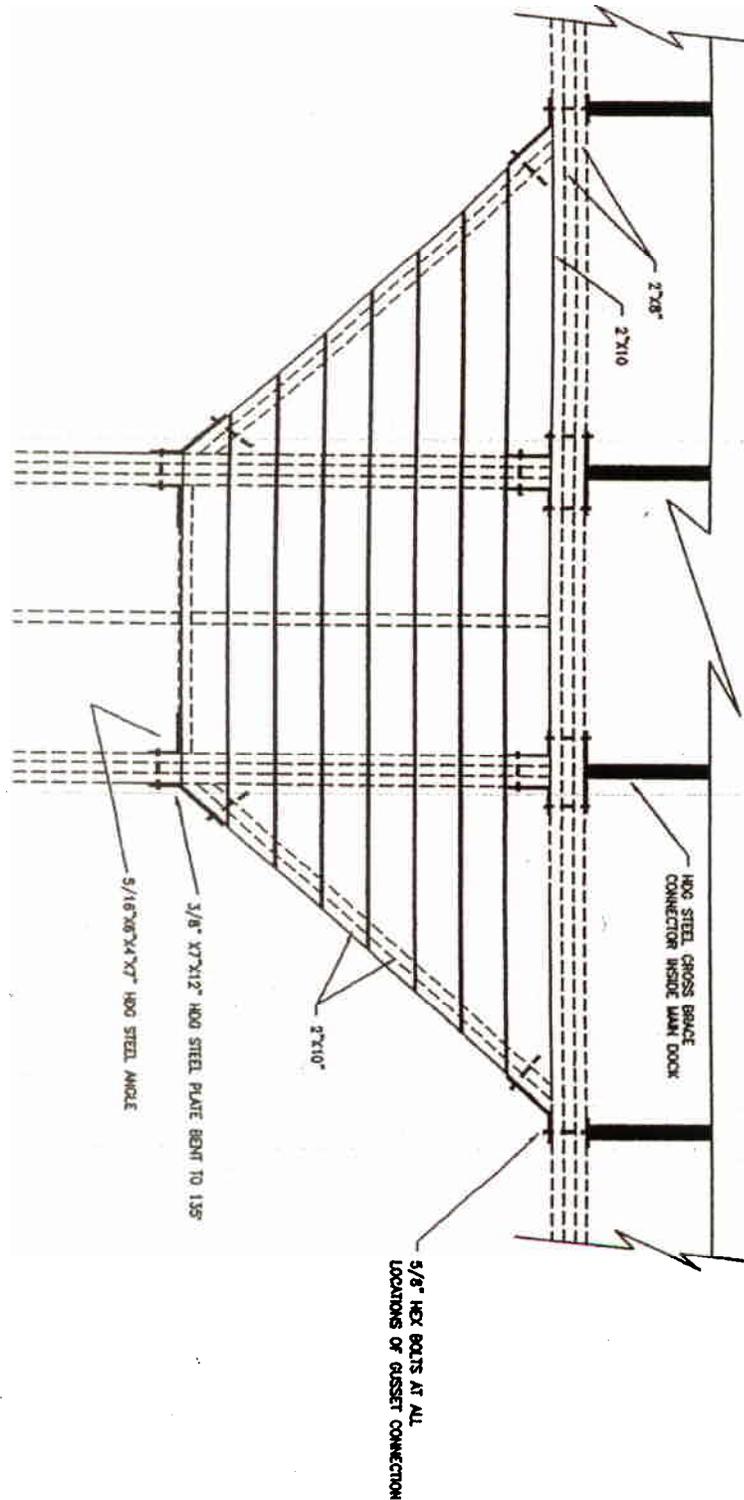
P.O. Box 391 - 52 Myers Street, Toms River, New Jersey 08754  
 Phone No. 732-349-2215 Fax No. 732-349-4127  
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*[Signature]*  
**ROBERT J. ROMANO**  
 PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007  
 SCALE: AS NOTED

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 CHECKED BY: RJR

7/31/07	RENUMBERED SHEET	DS
DATE	REVISION	BY
PROJECT NO. 05G3352		SHEET NO. 15 OF 22



CONNECTION DETAIL

FINGER PIER DETAILS

NOTES:

1. ALL BOARDS TO BE COMPOSITE OR UNTREATED TIMBER WRAPPED IN VINYL.
2. DECKING TO BE VINYL.
3. ALL STRUCTURAL STEEL AND HARDWARE TO BE HOT DIPPED GALVANIZED, MINIMUM COATING 2 OUNCES/SQUARE FOOT.

E-16

NOTE:  
SEE SHEET 17 FOR PLAN  
AND ELEVATION VIEWS.

**WATERFRONT DETAILS**  
BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Myers Street, Toms River, New Jersey 08754  
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Certificate of Authorization #24GA27927500

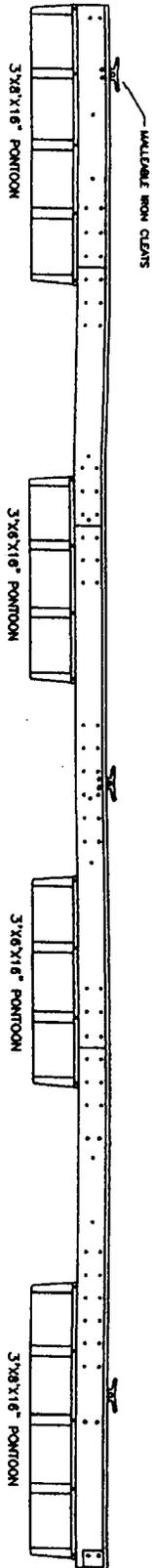
*[Signature]*  
**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
N.J. LICENSE No. 25906

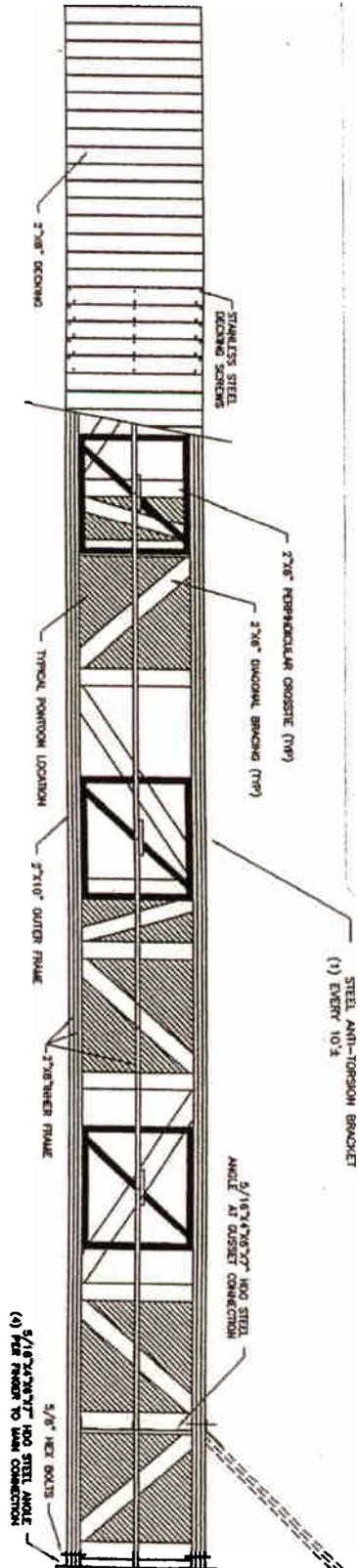
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SCALE: 1"=40'	CHECKED BY: RJR	DATE	REVISION	BY
		PROJECT NO. 05G3352	SHEET NO. 16 OF 22	

# FINGER PIER DETAILS

## ELEVATION



## PLAN



E-17

## WATERFRONT DETAILS BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

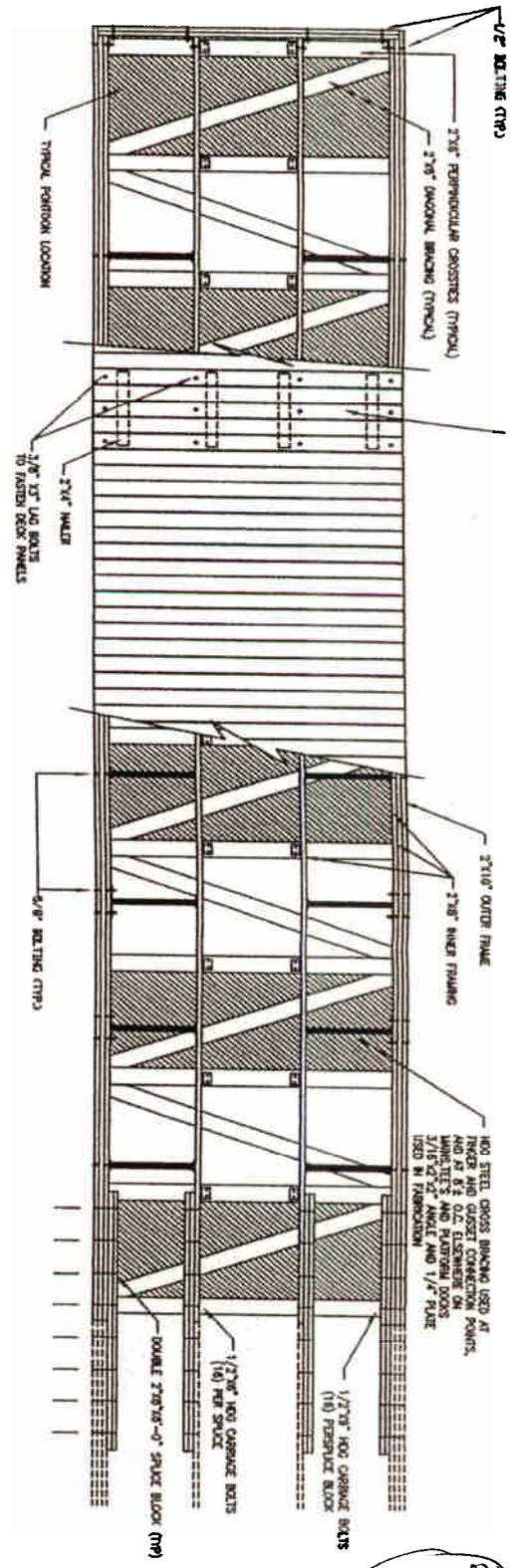
### ERNST, ERNST & LISSENDEN ENGINEERS & SURVEYORS

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Certificate of Authorization #24GA27927500

**ROBERT J. ROMANO**

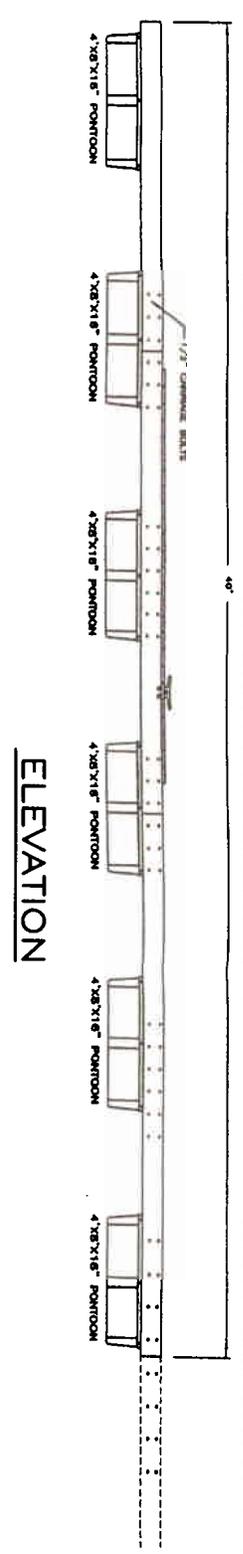
PROFESSIONAL ENGINEER  
N.J. LICENSE No. 25906

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			PROJECT NO. 05G3352	SHEET NO. 17 OF 22



SUBSTRUCTURE AND PONTOON LOCATION      DECKING      FINGER AND GUSSET CONNECTION AREA      SPICE BLOCK DETAIL

**PLAN**



**ELEVATION**

**FLOATING DECK DETAILS**

**NOTES:**

1. ALL BOARDS TO BE COMPOSITE OR UNTREATED TIMBER WRAPPED IN VINYL
2. DECKING TO BE VINYL
3. ALL STRUCTURAL STEEL AND HARDWARE TO BE HOT DIPPED GALVANIZED, MINIMUM COATING 2 OUNCES/SQUARE FOOT.

NOTE:  
SEE SHEET 19 FOR SECTION VIEW

*(E-18)*

**WATERFRONT DETAILS**  
BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
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Certificate of Authorization #24GA27927500

*(Signature)*  
**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
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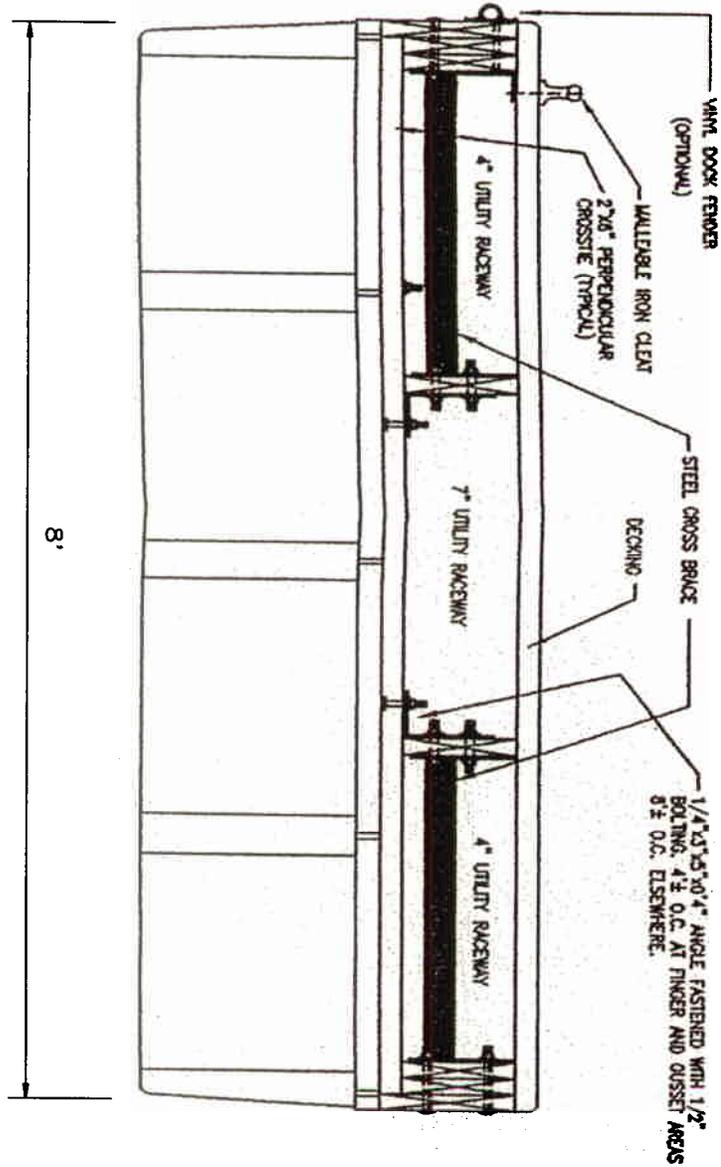
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SCALE: NTS

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CHECKED BY: RJR

7/31/07	RENUMBERED SHEET	DS
DATE	REVISION	BY
PROJECT NO. 05G3352	SHEET NO. 18 OF 22	

FLOATING DECK DETAILS

SECTION



E-19

**WATERFRONT DETAILS**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
**ENGINEERS & SURVEYORS**

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**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007

DRAWN BY: SA.

SCALE: 1" = 40'

CHECKED BY: RJR

7/31/07

RENUMBERED SHEET

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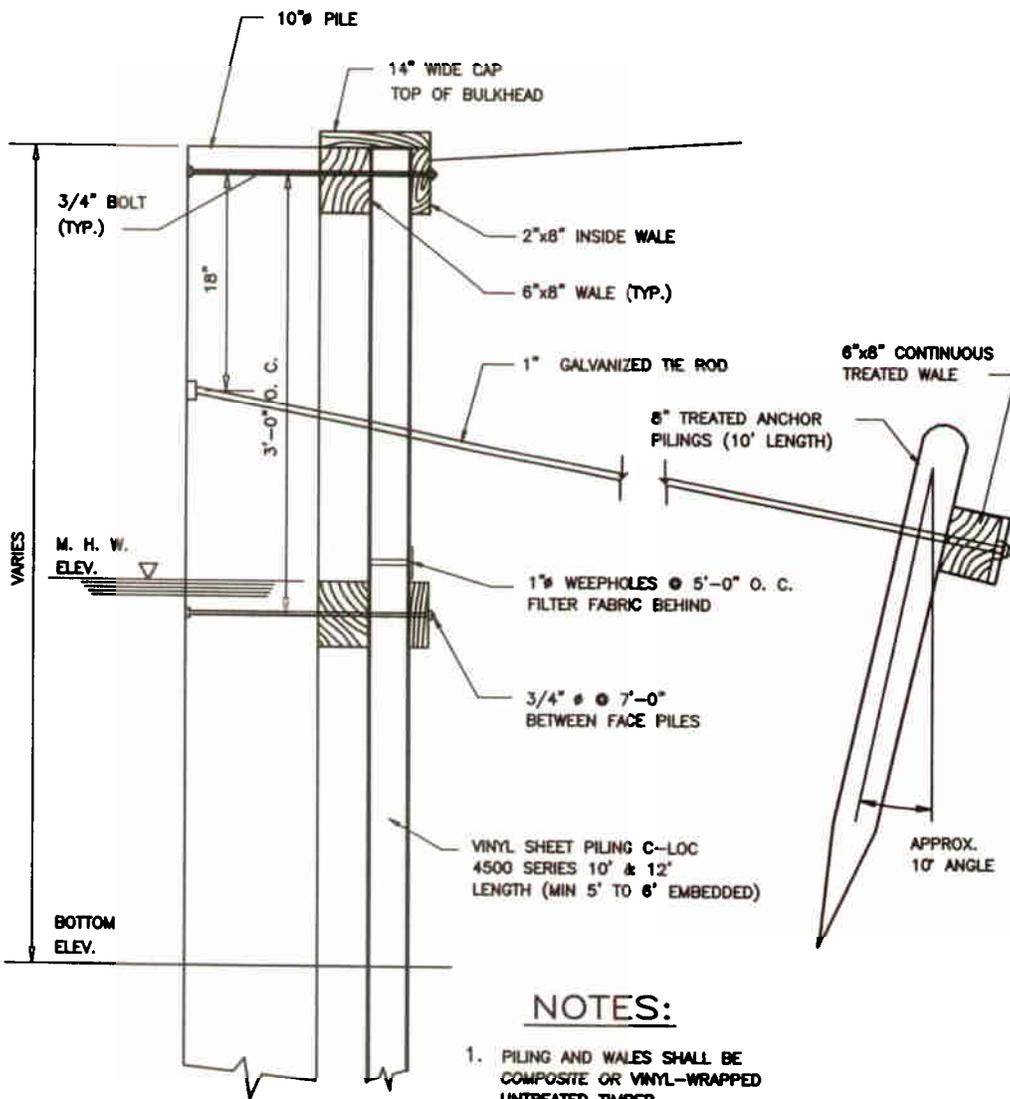
DATE

REVISION

BY

PROJECT NO. 05G3352

SHEET NO. 19 OF 22



## VINYL BULKHEAD DETAIL

E-20

**WATERFRONT DETAILS**  
 BLOCK 1.09 , LOTS 1.06 & 1.07  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP OCEAN COUNTY NEW JERSEY

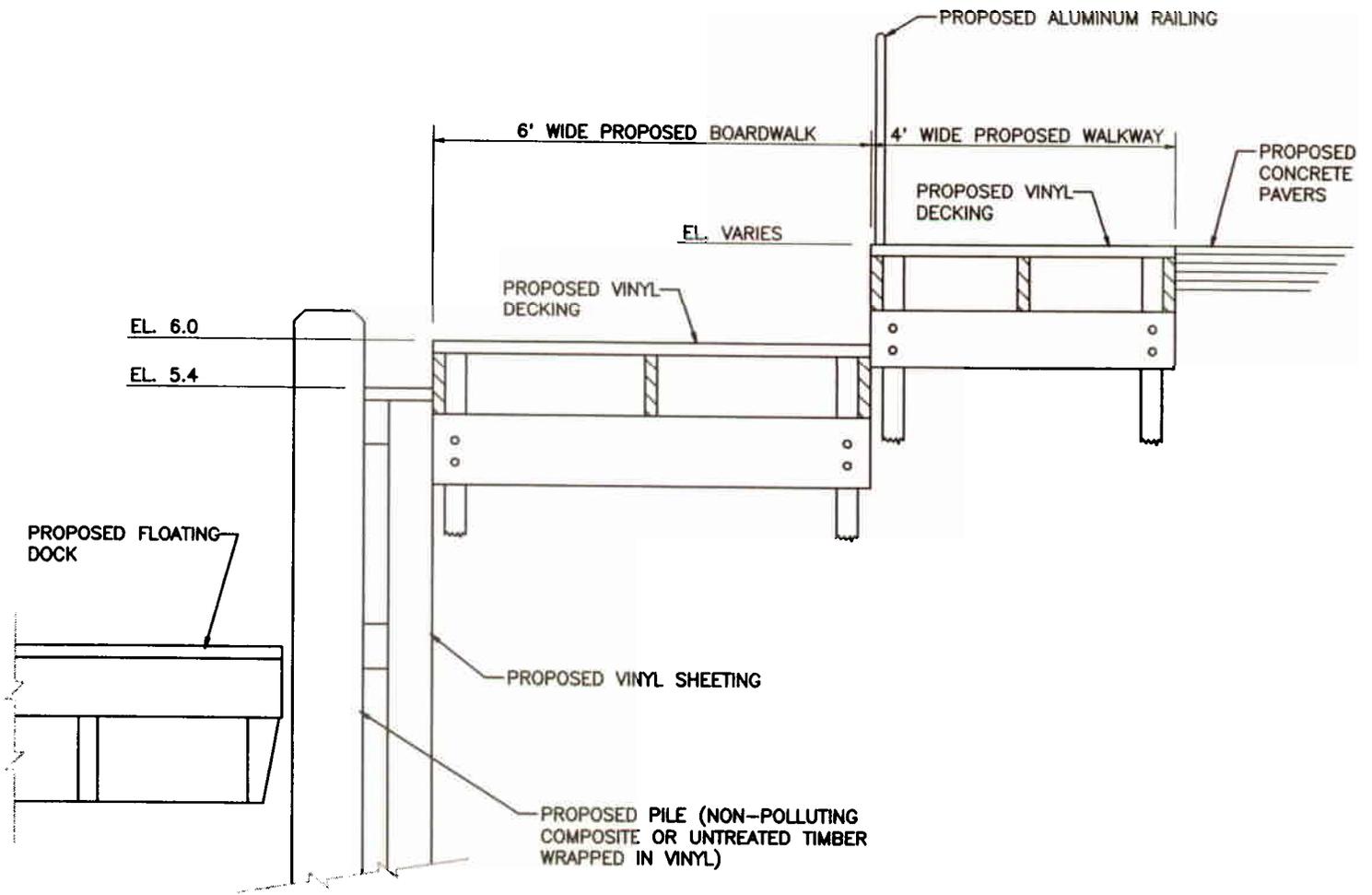
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 Phone No. 732-349-2215 Fax No. 732-349-4127  
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*Robert J. Romano*  
**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: MAY 31, 2007	DRAWN BY: SA.	7/31/07	RENUMBERED SHEET	DS
SCALE: 1" = 40'	CHECKED BY: RJR	DATE	REVISION	BY
		PROJECT NO. 05G3352	SHEET NO. 20 OF 22	



TYPICAL SECTION THROUGH PROPOSED BULKHEAD,  
PROPOSED BOARDWALK AND PROPOSED WALKWAY

(E-21)

**WATERFRONT DETAILS**  
BLOCK 1.09 , LOTS 1.06 & 1.07

APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
ENGINEERS & SURVEYORS

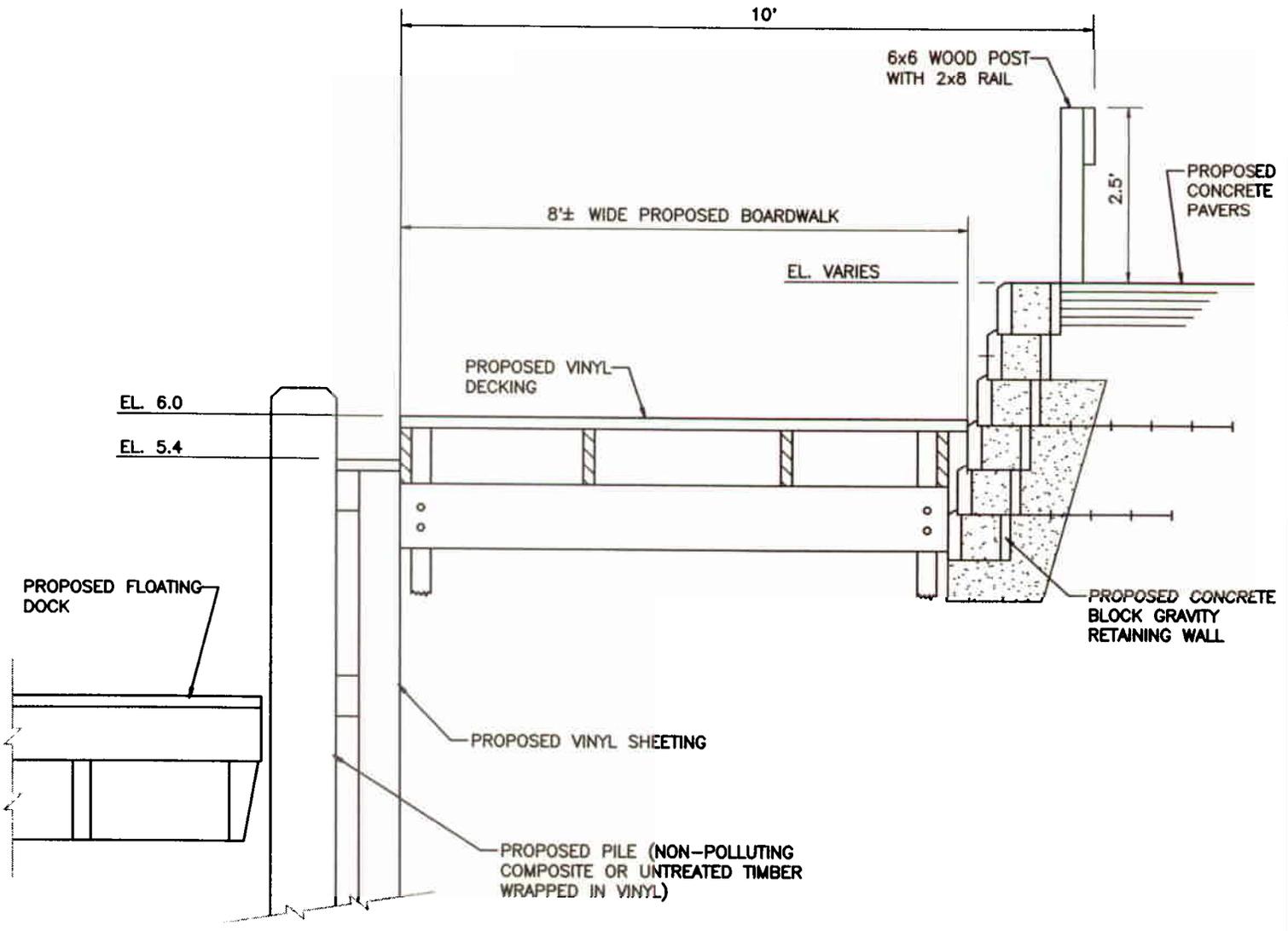
P.O. Box 391 - 52 Hyers Street, Toms River, New Jersey 08754  
Phone No. 732-349-2215 Fax No. 732-349-4127

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*[Signature]*  
**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
N.J. LICENSE No. 25906

DATE: AUGUST 6, 2007	DRAWN BY: DS	8-6-07	NEW SHEET	DS
SCALE: NONE	CHECKED BY: RJR	DATE	REVISION	BY
		PROJECT NO. 05G3352	SHEET NO. 21 OF 22	



TYPICAL SECTION THROUGH PROPOSED BULKHEAD,  
PROPOSED BOARDWALK AND PROPOSED RETAINING WALL

E-22

**WATERFRONT DETAILS**  
**BLOCK 1.09 , LOTS 1.06 & 1.07**  
 APPLICANT: HOLGATE COVE ENTERPRISES, LLC

LONG BEACH TOWNSHIP      OCEAN COUNTY      NEW JERSEY

**ERNST, ERNST & LISSENDEN**  
 ENGINEERS & SURVEYORS

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*Robert J. Romano*  
**ROBERT J. ROMANO**

PROFESSIONAL ENGINEER  
 N.J. LICENSE No. 25906

DATE: AUGUST 6, 2007  
 SCALE: 1"=40'

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8-6-07	NEW SHEET	DS
DATE	REVISION	BY
PROJECT NO. 05G3352	SHEET NO. 22 OF 22	



562    © INTERIOR-GEOLOGICAL SURVEY WASHINGTON, D. C. - 1972    563000m E    74° 15'    2 120 000 FEET    566

ROAD CLASSIFICATION

Heavy-duty       Light-duty   

Produced by the United States Geological Survey  
 Control by USGS, NOS/NOAA, and New Jersey Geodetic Survey  
 Topography by photogrammetric methods from aerial photograph  
 taken 1981. Field checked 1984. Revised from aerial photograph  
 taken 1986. Limited field check 1988. Map edited 1989

LAKEHURST / LAKEWOOD U.S.G.S. QUADS.

OCEAN COUNTY LANDFILL

DISPOSAL LOCATION

E-23