

# Belmar Pier at *the Belmar Marina*

Design Ideas  
Richard Hoynes

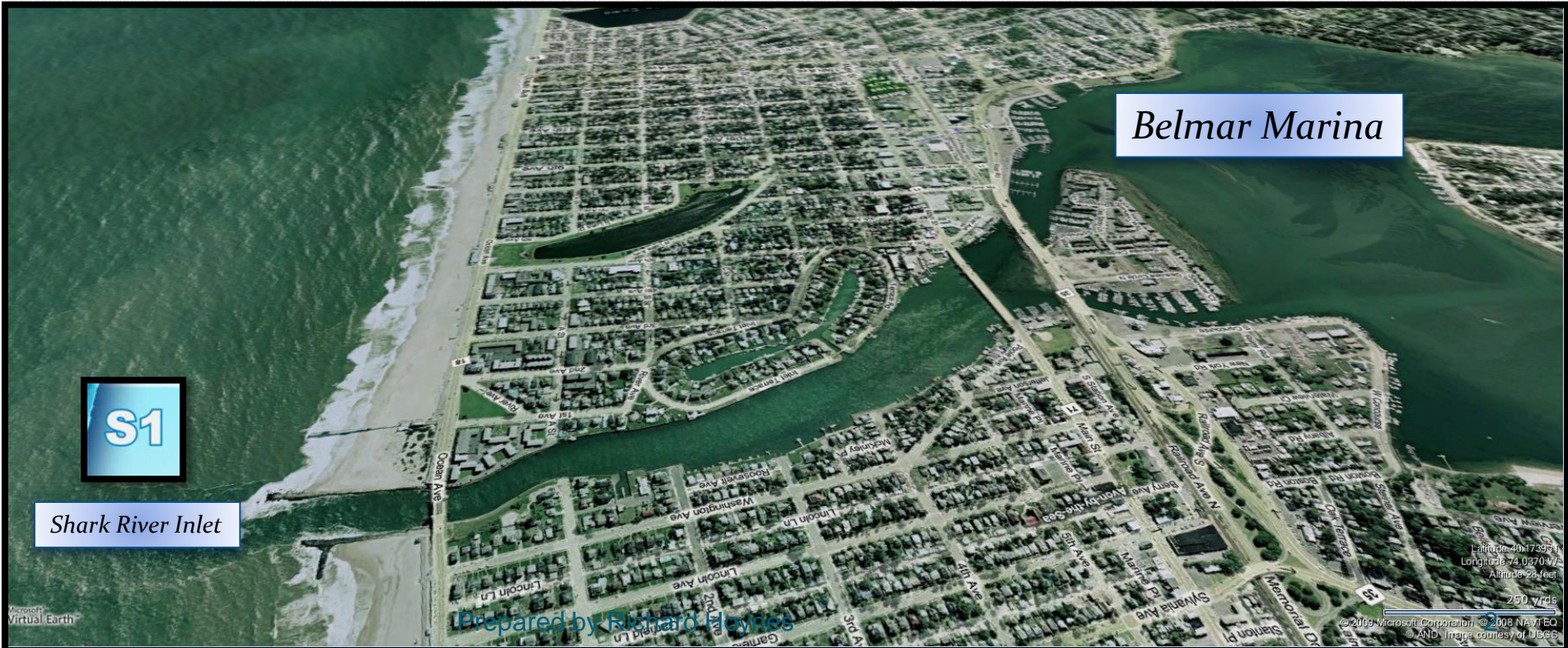
August, 2009



# Belmar Marina



For Info or Reservations call 732-681-2266  
or Email [Marina@Belmar.com](mailto:Marina@Belmar.com)



S1

Shark River Inlet

Belmar Marina

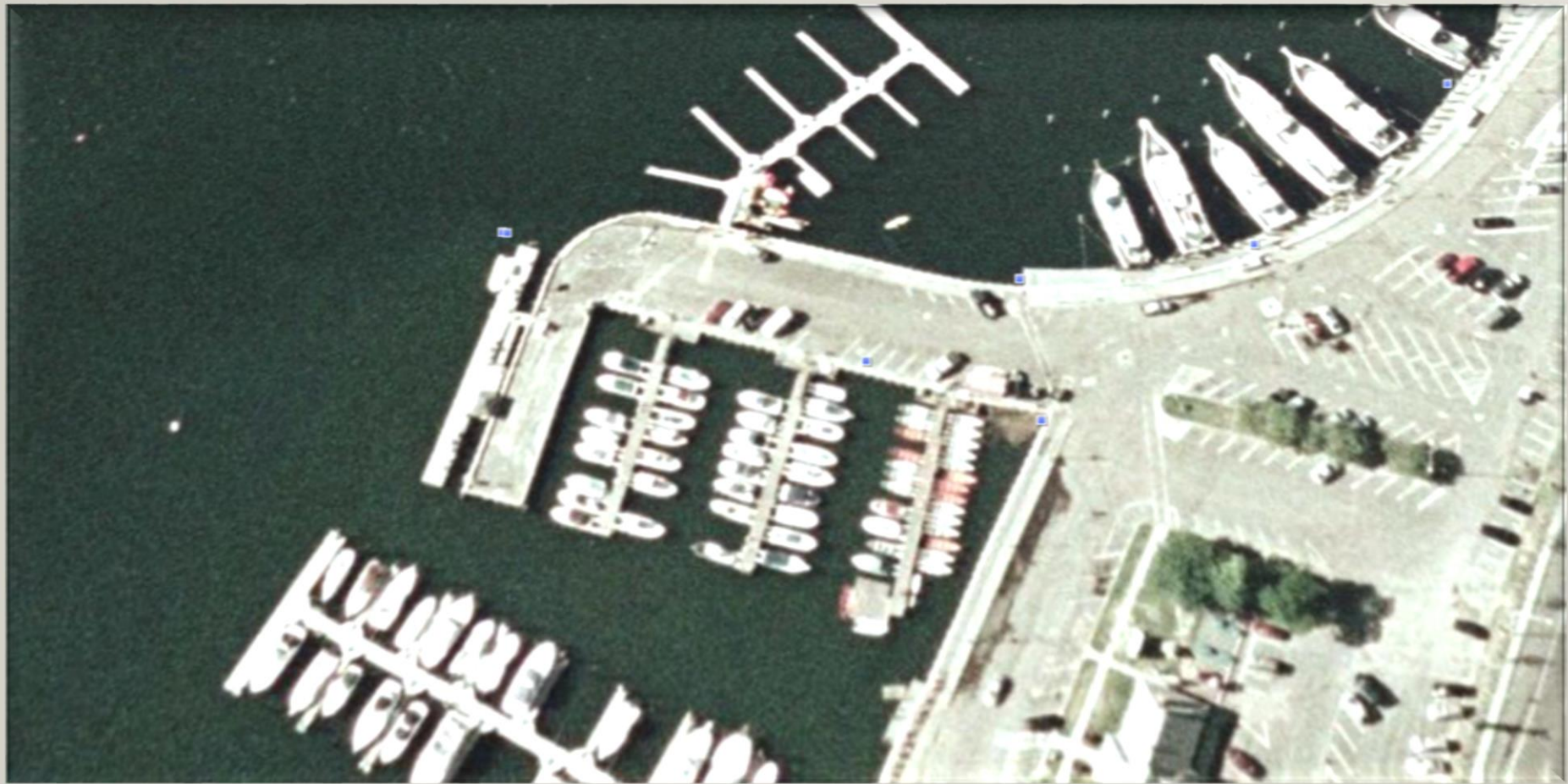
Prepared by Richard Joyner

Latitude: 40.173931  
Longitude: 74.037047  
Altitude: 28 feet

250 WTD

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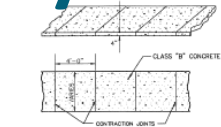
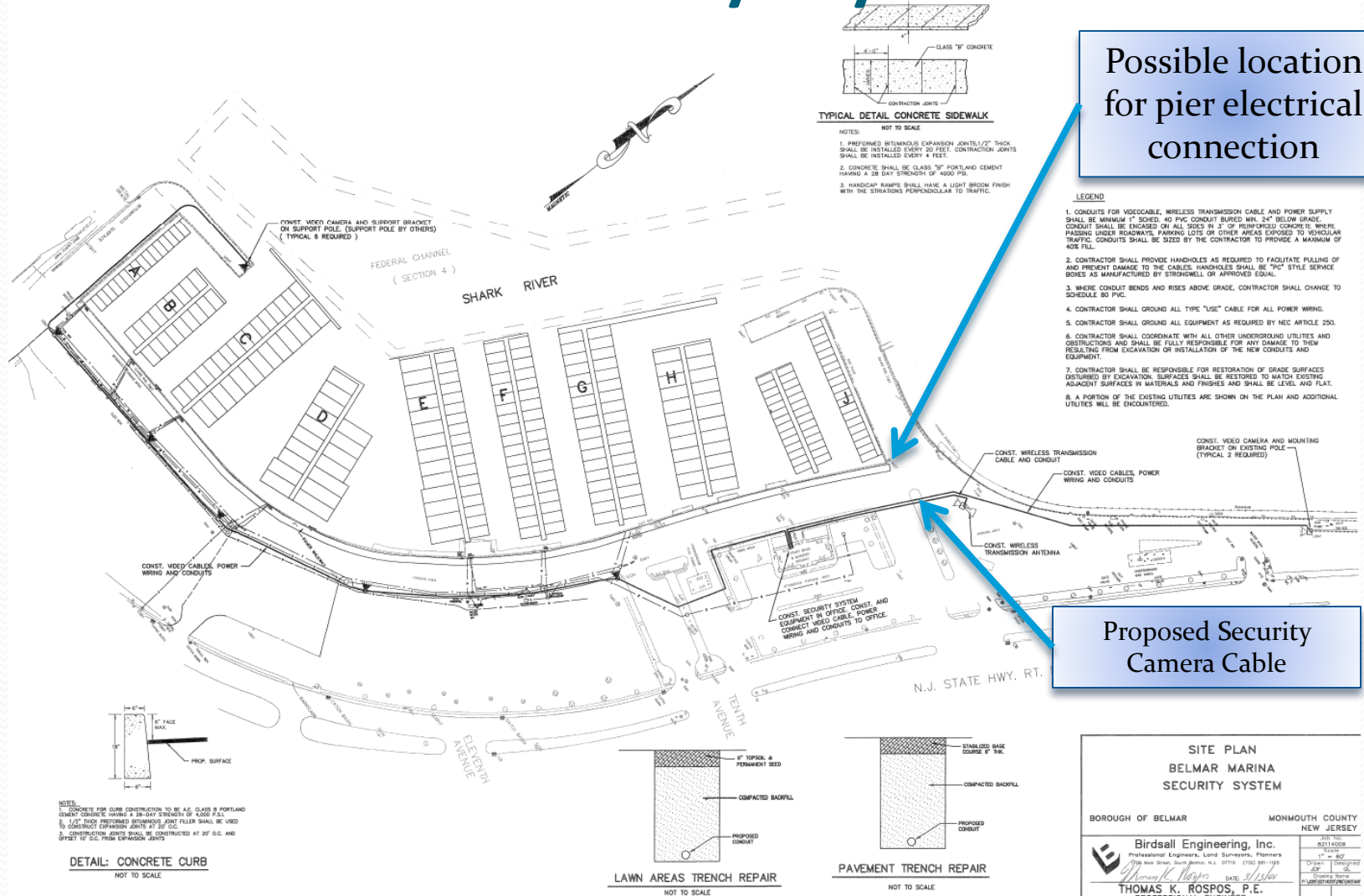
# Restaurant Pier - Current View



# Restaurant Pier - Current View



# Marina Security System Plan

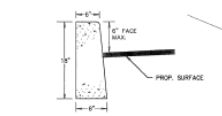


- NOTES:
1. PREFORMED BITUMINOUS EXPANSION JOINTS, 1/2" THICK SHALL BE INSTALLED EVERY 20 FEET. CONTRACTION JOINTS SHALL BE INSTALLED EVERY 4 FEET.
  2. CONCRETE SHALL BE CLASS "N" PORTLAND CEMENT HAVING A 28 DAY STRENGTH OF 4000 PSI.
  3. HANDICAP RAMPS SHALL HAVE A LIGHT BROOM FINISH WITH THE STRIPERS PERPENDICULAR TO TRAFFIC.

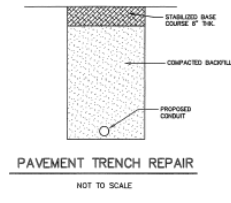
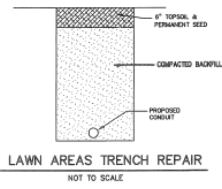
Possible location for pier electrical connection

- LEGEND
1. CONDUITS FOR VIDEOCABLE, WIRELESS TRANSMISSION CABLE AND POWER SUPPLY SHALL BE MINIMUM 1" SCHEDULE 40 PVC CONDUIT BURED MIN. 24" BELOW GRADE. CONDUIT SHALL BE ENCASED ON ALL SIDES IN 3" OF PORTLAND CONCRETE WHERE PASSING UNDER ROADWAYS, PARKING LOTS OR OTHER AREAS EXPOSED TO VEHICULAR TRAFFIC. CONDUITS SHALL BE SIZED BY THE CONTRACTOR TO PROVIDE A MAXIMUM OF 40% FILL.
  2. CONTRACTOR SHALL PROVIDE HANDHOLES AS REQUIRED TO FACILITATE PULLING OF AND PREVENT DAMAGE TO THE CABLES. HANDHOLES SHALL BE "D" STYLE SERVICE BOXES AS MANUFACTURED BY STRONGWELL OR APPROX. EQUAL.
  3. WHERE CONDUIT BENDS AND RISES ABOVE GRADE, CONTRACTOR SHALL CHANGE TO SCHEDULE 80 PVC.
  4. CONTRACTOR SHALL GROUND ALL TYPE "USE" CABLE FOR ALL POWER WIRING.
  5. CONTRACTOR SHALL GROUND ALL EQUIPMENT AS REQUIRED BY NEC ARTICLE 250.
  6. CONTRACTOR SHALL COORDINATE WITH ALL OTHER UNDERGROUND UTILITIES AND OBSTRUCTIONS AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO THEM RESULTING FROM EXCAVATION OR INSTALLATION OF THE NEW CONDUITS AND EQUIPMENT.
  7. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF GRADE SURFACES DISTURBED BY EXCAVATION. SURFACES SHALL BE RESTORED TO MATCH EXISTING ADJACENT SURFACES IN MATERIALS AND FINISHES AND SHALL BE LEVEL AND FLAT.
  8. A PORTION OF THE EXISTING UTILITIES ARE SHOWN ON THE PLAN AND ADDITIONAL UTILITIES WILL BE ENCOUNTERED.

Proposed Security Camera Cable



- NOTES:
1. CONCRETE FOR CURB CONSTRUCTION TO BE A.C. CLASS B PORTLAND CEMENT CONCRETE HAVING A 28-DAY STRENGTH OF 4000 P.S.I. WITH 1.25" THICK REINFORCING STEEL BARS. REINFORCING SHALL BE USED TO CONSTRUCT EXPANSION JOINTS AT 20' O.C.
  2. CONSTRUCTION AREAS SHALL BE CONSTRUCTED AT 20' O.C. AND OFFSET 10' O.C. FROM EXPANSION JOINTS.



**SITE PLAN  
BELMAR MARINA  
SECURITY SYSTEM**

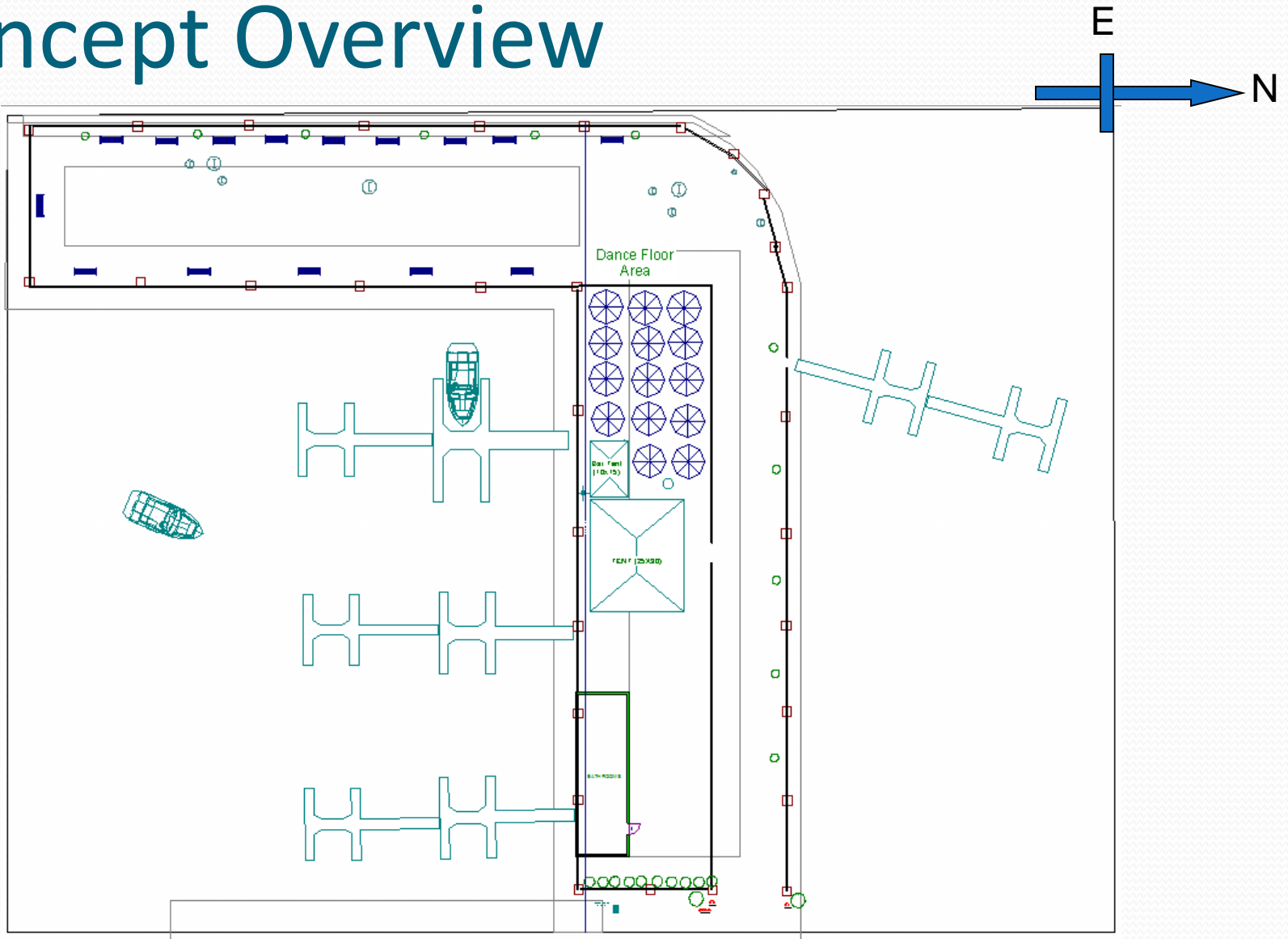
BOROUGH OF BELMAR      MONMOUTH COUNTY  
NEW JERSEY

**Birdsall Engineering, Inc.**  
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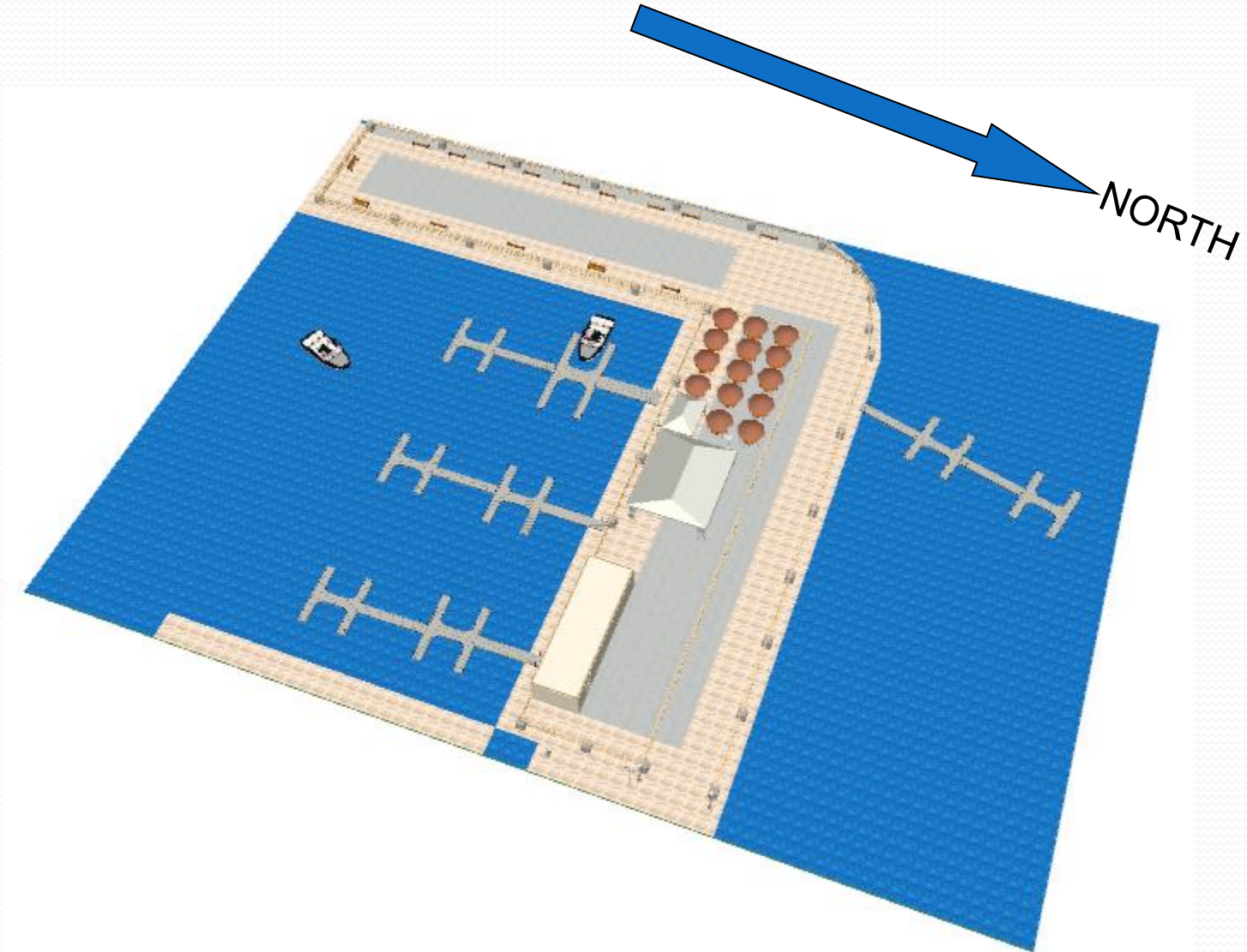
THOMAS K. ROSPOS, P.E.  
PROFESSIONAL ENGINEER  
N.J. Lic. No. 27028

DATE: 3/13/20  
SHEET NO. 2 OF 2

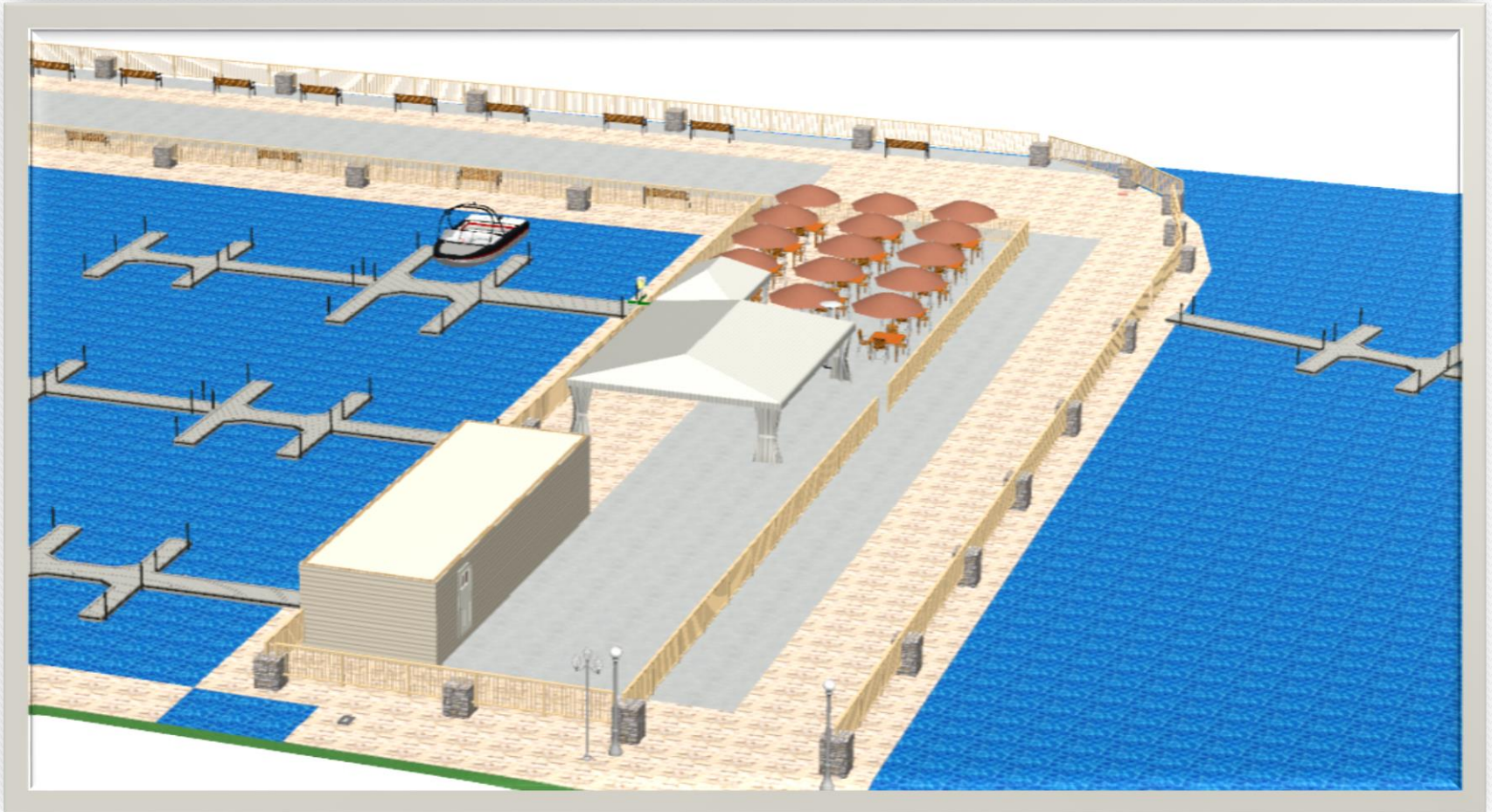
# Concept Overview



# Overview 1



# West View

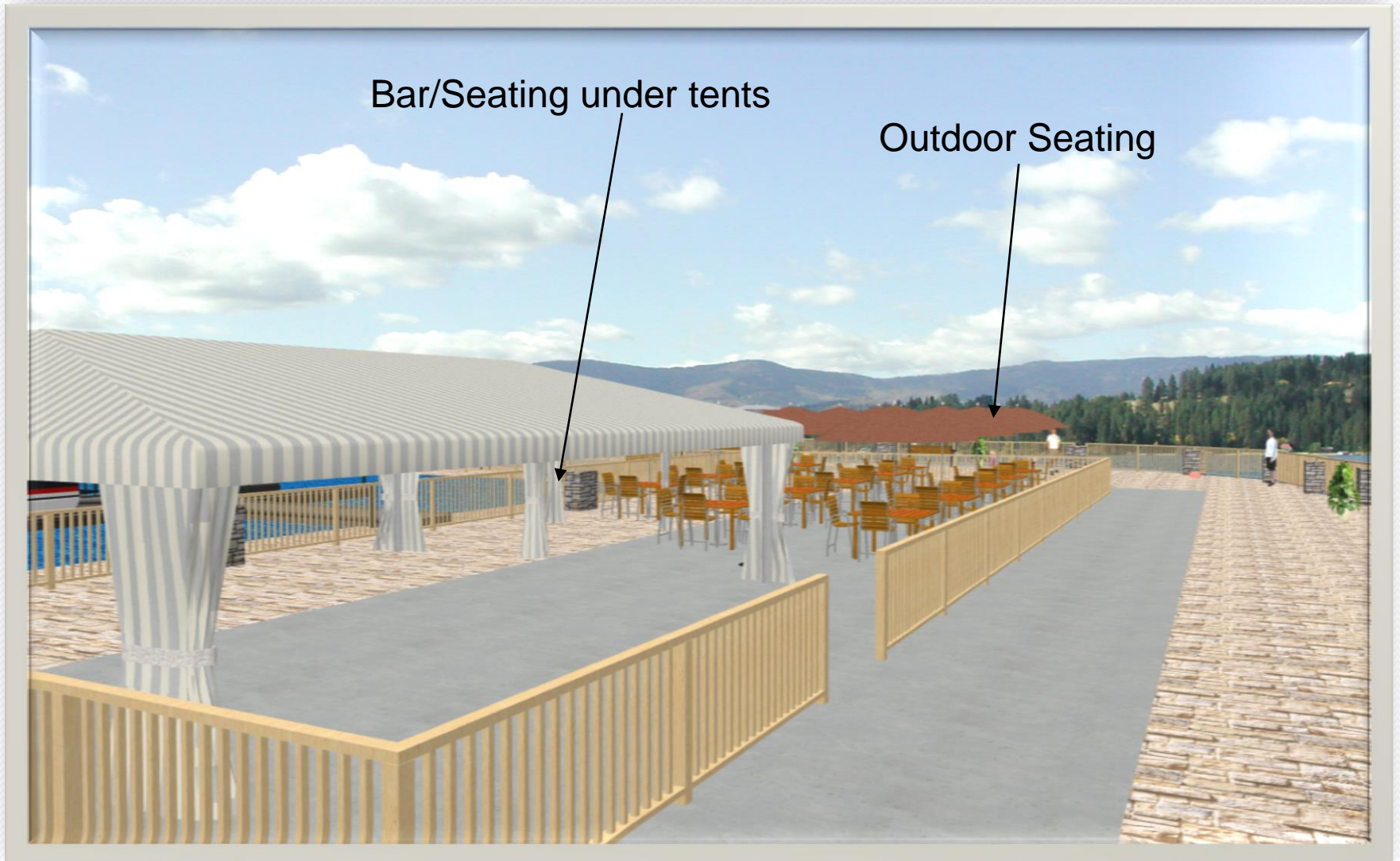




# Pier Entryway – East View



# Restaurant Tent – View 1



# Restaurant Tent – View 2

Bar/Seating/Food Tent

Music Tent

Outside Seating



# South View



# Pier Corner - View from Water



Put Lights on Pillars

# North View from end of pier

