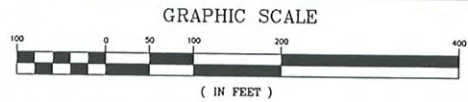
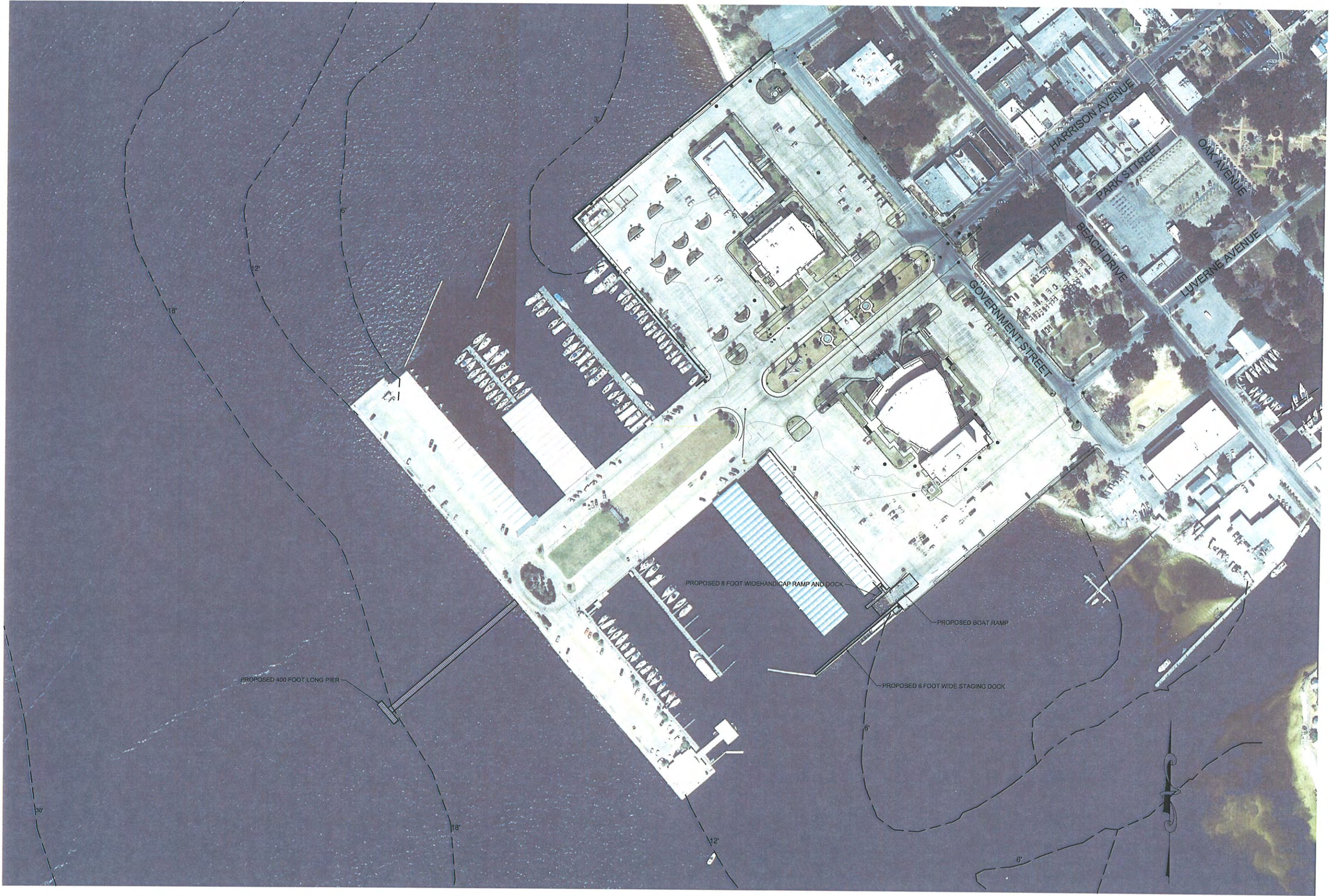


June 21, 2012 (05:24:08 EST)
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PREBLE-RISH INC
CONSULTING ENGINEERS AND SURVEYORS
CIVIL • SURVEYING • SITE PLANNING
203 ABERDEEN PKWY, PANAMA CITY, FL 32405
(850) 522-0644

SCALE: AS SHOWN
DESIGNED: C. FOREHAND
DRAWN: J. FOY
CHECKED: C. FOREHAND
DATE: JUNE 2012

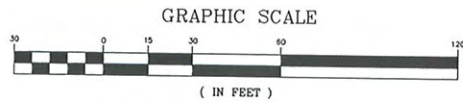
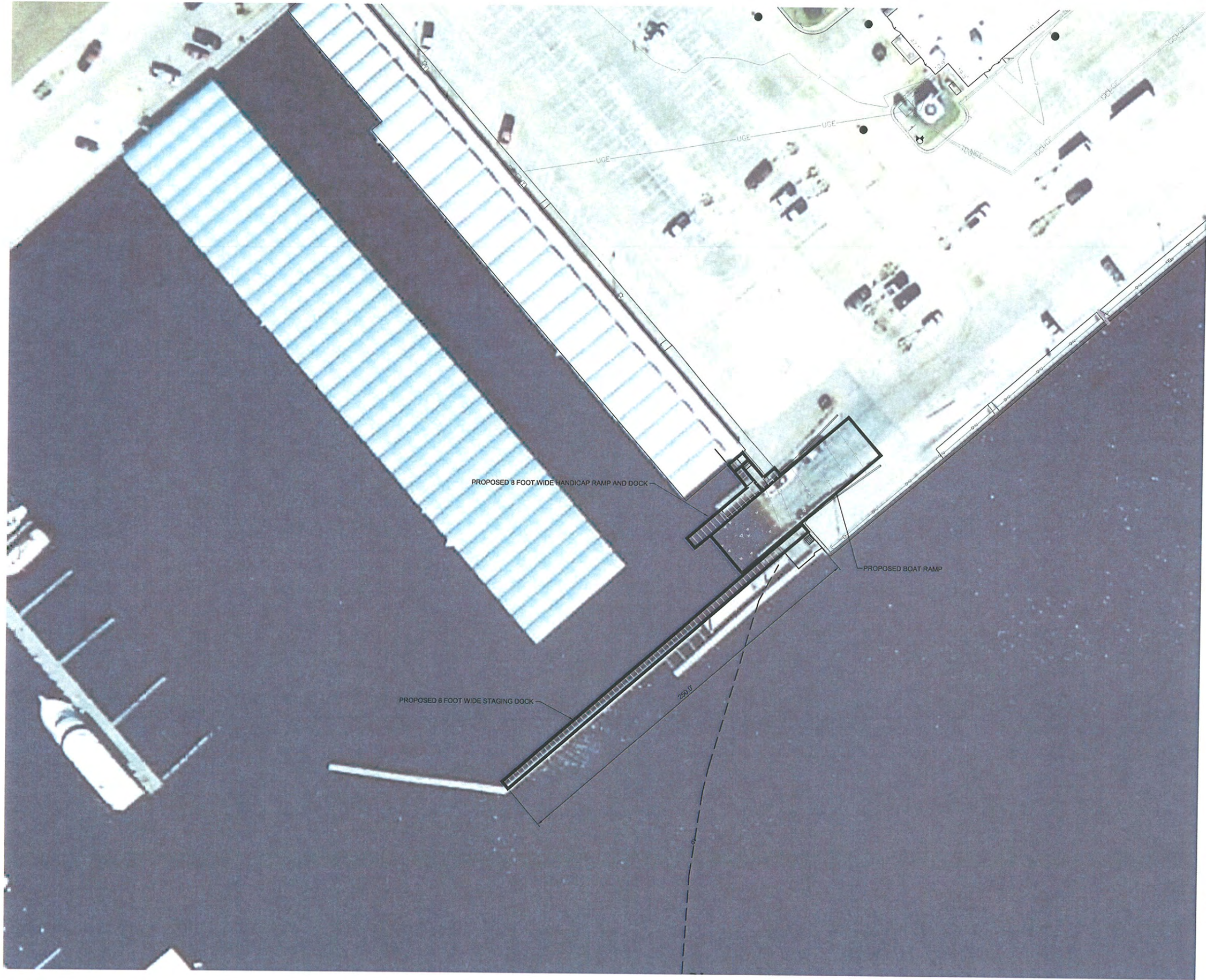
PRELIMINARY PLAN VIEW WITH AERIAL
CITY MARINA
BOAT RAMP, DOCK, AND PIER
PANAMA CITY, BAY COUNTY, FLORIDA

PROJECT NO. 198.012
SHEET 1

NO.	DATE	APPROVAL	REVISION
1			
2			
3			
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7			

NO. 0000155
EB 0000155

ENGINEER: B. FOREHAND
TRAVIS A. JUSTICE, 5002
FLORIDA: 1, 5002
JANUARY 2007
AIAA WISE 70031



BOAT RAMP AND STAGING DOCK PLAN VIEW

CITY MARINA

BOAT RAMP, DOCK, AND PIER

PANAMA CITY, BAY COUNTY, FLORIDA



PREBLE-RISH INC
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203 ABERDEEN PKWY, PANAMA CITY, FL 32405
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SCALE:
AS SHOWN

DESIGNED:
C. FOREHAND

DRAWN:
J. FOY

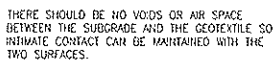
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C. FOREHAND

DATE:
JUNE 2012

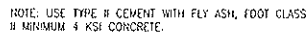
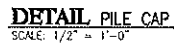
NOT FOR CONSTRUCTION. THIS DRAWING IS THE PROPERTY OF PREBLE-RISH INC. AND IS NOT TO BE REPRODUCED OR USED IN ANY FORM WITHOUT PRIOR WRITTEN PERMISSION OF PREBLE-RISH INC.				
NO.	DATE	APPROVAL	REVISION	
1				
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CONSTRUCTION & RECORD THOMAS W. JORDAN, ESQ.			560228	ELIZABETH S. MOORE 5/10/27 ALAN WISE 7/03/31
EB 0006155				

1. USE SHEET PILING, WALERS, AND THE BACK ROOS PRODUCED BY CRANE MATERIALS INTERNATIONAL, OR APPROVED EQUAL.
2. USE TYPE II CEMENT WITH FLY ASH, FOOT CLASS B MINIMUM, 4 KSI CONCRETE AND GRADE 60 REBAR FOR THE PILE CAPS, BOAT RAMP, RETAINING WALL AND CONCRETE PROMENADE.
3. USE ONLY STAINLESS STEEL BOLTS, NUTS, SCREWS, AND WASHERS.
4. HANDLE, STORE, AND INSTALL SHEET PILING AND RELATED MATERIALS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND WITH THE ATTACHED SPECIFICATIONS.
5. DO NOT STORE MATERIALS, OPERATE HEAVY MACHINERY, OR STOCKPILE SOILS WITHIN 8 FEET OF THE SHEET PILE WALLS. USE ONLY HAND OPERATED COMPACTORS WITHIN 8 FEET OF THE WALL.
6. WHERE THE DIE BACK ROO IS EMBEDDED IN THE PILE CAP, MAKE SURE IT PENETRATES THE TOP OF THE SHEET PILING AS SHOWN IN THE PILE CAP DETAIL.
7. USE THE SHEET PILES AS A FORM FOR POURING THE CONCRETE BOAT RAMP SO THAT THERE IS NO EXPOSED GROUND BETWEEN THE EDGE OF THE RAMP AND THE SHEET PILING.
8. PROVIDE 2" OF CONCRETE COVER (PROTECTION) FOR THE REBAR, UNLESS OTHERWISE NOTED.

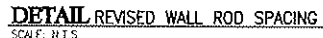
1. ALL BOLTS, SCREWS, NAIL, NUTS, WASHERS, OR ANY OTHER METAL SHALL BE STAINLESS STEEL UNLESS SPECIFIED OTHERWISE.
2. THE BOLTS, NUTS AND WASHERS ON THE SWAY BRACING OF EACH GIRT SHALL BE STAINLESS STEEL.
3. ALL LUMBER EXCEPT PILING SHALL BE SMOOTH SAWN NO. 1 SOUTHERN PINE PRESURE TREATED WITH CHROMIATED COPPER ARSENATE (CCA) TO A RETENTION OF 0.60 POUNDS PER CUBIC FOOT.
4. ALL BOLTS SHALL INCLUDE TWO HEAVY GAUGE FLAT WASHERS (ONE UNDER THE HUT AND ONE UNDER THE HEAD). BOLTS SHALL CONFORM TO ASTM STANDARD A-307, LOW CARBON STEEL EXTERNALLY AND INTERNALLY THREADED STANDARD FASTENERS.
5. ALL WORK AND MATERIALS SHALL CONFORM WITH THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, LATEST EDITION.
6. PILING SHALL BE 8" TIP (HWEITER) SOUTHERN PINE, PRESURE TREATED WITH CHROMIATED COPPER ARSENATE (CCA) TO A RETENTION OF 2.5 POUNDS PER CUBIC FOOT. PILING SHALL CONFORM TO ASTM D-25-73 STANDARD SPECIFICATIONS FOR ROUND TIMBER PILES.
7. ALL PRESSURE TREATMENT SHALL BE IN ACCORDANCE WITH AMERICAN WOOD PRESERVATIVES ASSOCIATION (AWPA) STANDARD C1 AS SUPPLEMENTED BY AWPA STANDARD C-2 & C-3.
8. BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT.
9. SCREW INSERTION - THE SCREW SHALL BE INSERTED BY TURNING WITH A SCREW DRIVER, NOT BY DRIVING WITH A HAMMER.
10. DECKING & RUBBERS - INSTALL "BARK SIDE UP".



SCALE: N.Y.S.

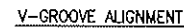


SCALE: 1/2" = 1'-0"



SCALE: N.T.S."

1. FINISH ON RAMP TO BE V-GROOVE, AS ON THIS SHEET.
2. CONTRACTOR IS STRONGLY ADVISED TO VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
3. DISPOSAL OF ALL EXCAVATED MATERIAL AND EXISTING BOAT RAMP DEMOLITION DEBRIS IS THE RESPONSIBILITY OF THE CONTRACTOR AT THEIR EXPENSE.
4. CONTRACTOR IS RESPONSIBLE FOR CONTAINMENT OF SEDIMENT DURING ALL PHASES OF CONSTRUCTION. I.E. TURBIDITY BARRIER TO BE USED.

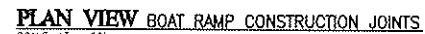


SCALE: N.T.S.



1. USE TYPE II CEMENT WITH FLY ASH, FOOT CLASS 99 MINIMUM 4 KSI CONCRETE.
2. SEE CONSTRUCTION JOINT DETAIL SHEET D1 FOR CONSTRUCTION JOINTS.

SCALE: R.T.S.



 PREBLE-RISH INC CONSULTING ENGINEERS AND SURVEYORS CIVIL • SURVEYING • SITE PLANNING 203 ABERDEEN PKWY, PANAMA CITY, FL 32405 (850) 522-0644	SCALE:	DESIGNED:	DRAWN:	CHECKED:	DATE:
	1" = 100'	C. FOREHAND	J. FOY	C. FOREHAND	JUNE 2012

PREBLE-RISH INC. AND ITS ASSOCIATES
 ARE NOT PROVIDING ANY PROFESSIONAL ENGINEERING OR ARCHITECTURAL SERVICES
 UNLESS THE PROJECT IS SPECIFICALLY IDENTIFIED AS SUCH BY THE PROJECT DESCRIPTION.

BOAT RAMP

CITY MARINA

BOAT RAMP, DOCK, AND PIER

PANAMA CITY, BAY COUNTY, FLORIDA

PROJECT NO. 198.012	SHEET D1
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June 20, 2012 (08:03:58 EST)
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