

POTENTIAL DEEPWATER HORIZON OIL SPILL RESTORATION PROJECTS:

PROVIDING INFORMATION TO ASSIST WITH PROJECT ASSESSMENT

To help you propose projects to the State of Florida's Department of Environmental Protection (DEP), we developed this project submission form. You are not required to complete this form to submit a project. However, completion of the form will help DEP gather the information required to completely and accurately evaluate a project against the selection and evaluation criteria. Where appropriate in the form, please provide references to any additional supporting information.

Project Name: *(Include project number from DEP's existing list of submitted projects, if applicable.)*

Watson Bayou Waterfront Park Fishing Pier

Contact Information:

Tim Whaler, AICP
Millville Program Manager
803 Jenks Avenue, Suite 1
Panama City, Florida 32401

Location for Project Implementation: *(For example, city and county, GIS coordinates if known.)*

Watson Bayou Waterfront Park, Panama City, Bay County

Latitude: 30.153360 N Longitude: -85.637180 W

Brief Project Narrative: *(Describe what the project will do.)*

This project seeks to assist with redevelopment of waterfront industrial land into a public park in the historic Millville neighborhood of Panama City, Florida. The City purchased this 4.2 acre parcel in 2008 in order to give residents waterfront access to Watson Bayou. The first phase of the project included landscaping, lighting, irrigation, benches and picnic tables. The second phase is the construction of a fishing pier. This project will allow for construction of the full pier as originally conceived, rather than a scaled back version.

Estimated Project Costs: *(Describe the costs of the project, including any assumptions for contingency and ongoing operations and maintenance. Identify other available funding sources such as matching funds, in kind contributions or state or federal dollars. If possible, attach a schedule of anticipated costs, by year, over the anticipated project life.)*

Project costs are estimated at \$199,578 and are detailed in the attached budget.

Anticipated Project Outcome with Respect to Screening Criteria

This project will expand the use of the Watson Bayou Park, furthering the "human use" category of this initiative.

S1. Technically and administratively feasible: *(Briefly describe the critical technologies involved and any relevant past experience with similar projects.)*

This project features standard pier construction components and is similar to other projects implemented by the City of Panama City.

S2. Provides environmental benefits: *(Briefly describe the nature, magnitude, and timing of any environmental benefits attributable to the project and any potential environmental costs associated with implementing or maintaining the project, e.g., loss of a habitat or conversion of habitat from one type to another during implementation.)*

This project will comply with all wildlife and environmental protection requirements specified in their permits.

S3. Does not conflict with any ongoing or planned response or remediation work: *(Briefly describe ongoing response activities in the project implementation area, if any, and why the project does or does not interfere with that work.)*

This project will not conflict with any planned response or remediation work.

S4. Complies with applicable and relevant federal, state, local, and tribal laws and regulations: *(No information is needed for this screening criteria.)*

This project will comply with all laws and regulations and will receive any necessary permits in advance of construction.

Anticipated Project Outcome with Respect to Evaluation Criteria

E1. Will restore, rehabilitate, or replace a natural resource or service¹ believed/demonstrated to have been injured as a result of the Deepwater Horizon oil spill or associated response activities: *(Briefly describe the nature of any relationship between the new/improved resources or services and those adversely impacted by the oil spill.)*

This project seeks to remedy the injury to human use caused by the Deepwater Horizon oil spill by improving safety and amenities at a key water access facility.

¹ In this form, "Services" (or "natural resource services") refers to the functions performed by a natural resource for the benefit of another natural resource and/or the public. Services can be "ecological services" – physical, chemical or biological functions that one natural resource provides for another (such as provision of food) – or "human services" – the use of natural resources used by humans that provide value to the public (such as hunting and fishing).

E2. Is located in, or nearby, resources or services injured by the deepwater horizon spill: *(Briefly describe where the project would be implemented with respect to past/ongoing remediation work.)*

Watson Bayou is located off St. Andrews Bay and the Gulf of Mexico, which was injured by the Deepwater Horizon spill. This project will increase human use of the water resources, which were curtailed by the spill.

E3. Is ready for implementation, e.g., design, permitting, and necessary impacts assessments have been completed: *(Briefly describe where in the permitting process the project stands along with an estimated date of when the project can be implemented if it is not currently ready.)*

This project is currently designed and permitted and could be completed within six months of contract execution.

E4. Is cost effective: *(Briefly describe why you think the project is cost effective. Discuss whether this project is more cost effective than alternative projects which would provide similar resource or service benefits.)*

This project's costs are within industry standards.

E5. Has a high potential for long-term success as demonstrated by incorporating established/reliable methods and technologies: *(Briefly describe if/how critical methods and technologies that will be used to implement the project could be considered reliable or proven.)*

Proven technologies and construction techniques will be utilized in this project.

E6. Is likely to provide benefits rapidly following implementation: *(Briefly describe the anticipated change in benefits anticipated over time.)*

Park improvements will expand recreational opportunities and will increase human use of the Watson Bayou.

E7. Has a high likelihood of public acceptance: *(Briefly describe evidence to support the given answer based on surveys or results and assessments from past projects. Known or likely opposition to a project should be recognized.)*

Watson Bayou Park is a major source of community pride, serving as the new centerpiece of festivals and events in the Millville community. Plans for park development have been included in publicly vetted community revitalization plans.

WE WANT YOUR INPUT!

Submit this form via email to Jessica Kanes at Jessica.Kanes@dep.state.fl.us . If you have any questions or concerns about the process for submitting a project, please contact:

Jessica Kanes
Florida Department of Environmental Protection
Environmental Specialist I
(850) 670-7707
Jessica.Kanes@dep.state.fl.us
Apalachicola NERR/FDEP
108 Island Drive
Eastpoint, FL 32328

A current summary of projects is accessible through the Florida DEP's website at <http://www.dep.state.fl.us/deepwaterhorizon/projects.htm> (click on "View the list of restoration project ideas").

Millville Fishing Pier Cost Estimate					
<i>Item</i>	<i>Units</i>		<i>Price</i>	<i>Cost</i>	<i>Source</i>
Additional length	76	Ln. Ft.	\$584	\$44,384	Bid
Decking	1,480	Sq. Ft.	\$7.915	\$11,714	Bid
Fishing bump-outs	2	Per	\$8,000	\$16,000	Bid
"T" shelter	1	Per	\$20,000	\$20,000	Bid
Railing upgrade	1	Pier	\$48,980	\$48,980	Est.
Add "T" Portion	1	Per	\$28,000	\$28,000	Est.
Lighting	18	Light	\$1,500	\$27,000	Est.
Fish station	1	Per	\$3,500	\$3,500	Est.

Total

\$199,578

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet

A General Information

Organization City of Panama City, FL			
Contact Name (First Last) Tim Whaler		Title Millville Program Manager	
Address 803 Jenks Avenue, Suite 1		City Panama City	State FL
Phone Number (850) 215-3869 ext.		Email twhaler@pcgov.org	
Organization Website www.pcgov.org			

B Project Information

Project Name Watson Bayou Waterfront Park Fishing Pier			
Location (e.g. John Smith National Wildlife Refuge) Watson Bayou Waterfront Park			
State(s) (Use 2-letter abbreviations separated by commas) FL		County/Parish Bay County	Watershed/Basin Watson Bayou
Latitude (decimal degrees) 30.15336	Longitude (decimal degrees) -85.63718	Project Size (Choose one) miles 4.2 acres tons	Affected Area acres

C Project Description

Please provide more information about the proposed project. (Limit 2,750 characters.)

This project seeks to assist with redevelopment of waterfront industrial land into a public park in the historic Millville neighborhood of Panama City, Florida. The City purchased this 4.2 acre parcel in 2008 in order to give residents waterfront access to Watson Bayou. The first phase of the project included landscaping, lighting, irrigation, benches and picnic tables. The second phase is the construction of a fishing pier. This project will allow for construction of the full pier as originally conceived, rather than a scaled back version.

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet *(continued)*

D	Project Type(s)	(Check all that apply)	
		☐ Restoration	☐ Debris Removal
		☐ Protection	☐ Land Acquisition
			☐ Maintenance/Management
			☐ Education
E	Project Habitat(s)	(Check all that apply)	
		☐ Upland	☐ Marine/Estuarine Wetlands
		☐ Riverine	☐ Freshwater Wetlands
			☐ Beach/Dune
			☐ Subtidal (Nearshore/Offshore)
F	Resource Benefit(s)	(Check all that apply)	
		☐ Marine Mammals	☐ Shellfish
		☐ Birds	☐ Terrestrial Wildlife
		☐ Reptiles/Amphibians	☐ Corals
		☐ Fish	☐ Vegetation
			☐ Water Column
			☐ Sediment/Benthos
			☐ Shoreline
			☒ Human Use (Recreational, Cultural)
		Will the project directly benefit State- or Federally-listed species? If so, please list them. If not, please indicate N/A.	
G	Project Status	Property/Resource Acquisition N/A	Time to Implementation 0-3 months
		Project Planning/Design Completed	Time to Project Completion 4-6 months
		Project Permitting Completed	
		Is this project included under a regional or statewide plan? If so, please list:	
H	Project Costs	Estimated Cost \$199,578.00	Funding Available
I	Project Partners	Partner 1 Organization	
		Partner 1 Contact	Partner 1 Involvement
		Partner 2 Organization	
		Partner 2 Contact	Partner 2 Involvement
		Partner 3 Organization	
		Partner 3 Contact	Partner 3 Involvement

Disclaimer:

The submission of project information does not guarantee project funding. Projects will be evaluated using criteria identified in OPA, NEPA, implementing regulations, and related laws. Selection and funding determinations will be made by the Trustee Council.



CONTRACT PLANS

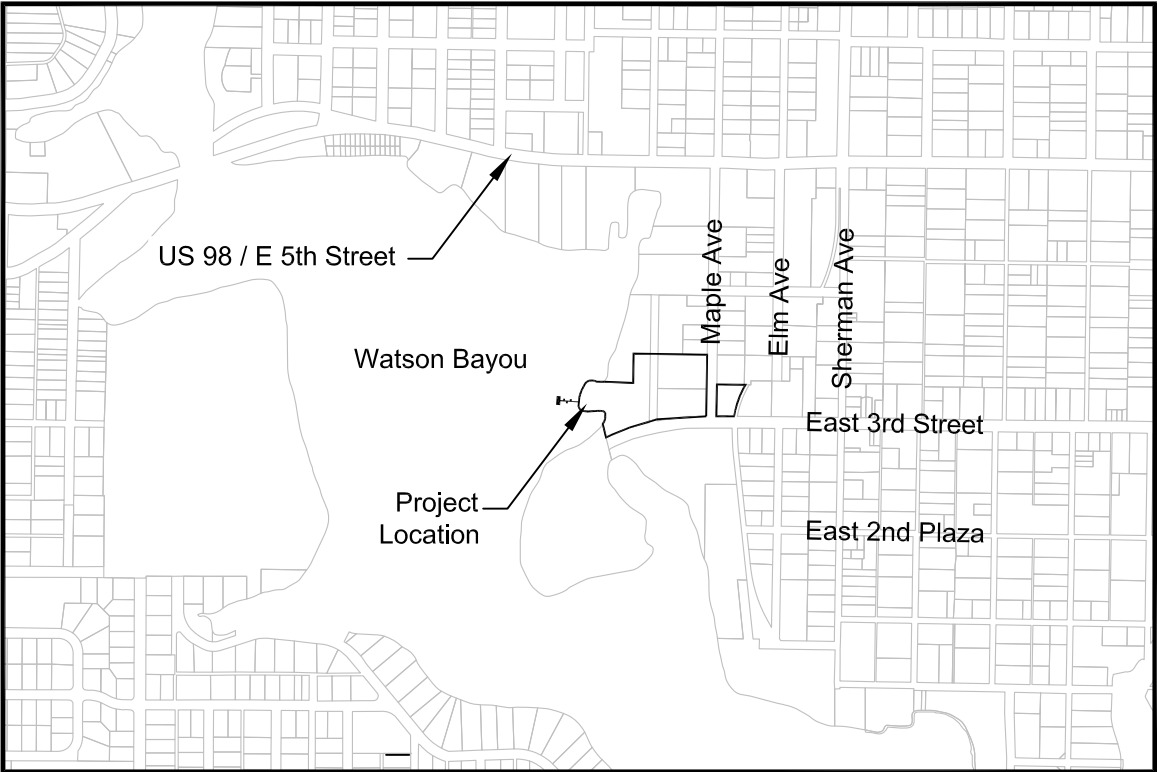
PANAMA CITY COMMUNITY REDEVELOPMENT AGENCY WATSON BAYOU WATERFRONT PARK FISHING PIER PROJECT



MILLVILLE CRA DISTRICT

DRAWING INDEX

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S.9	RAILING DETAILS



VICINITY MAP

SCALE: 1" = 1,000'

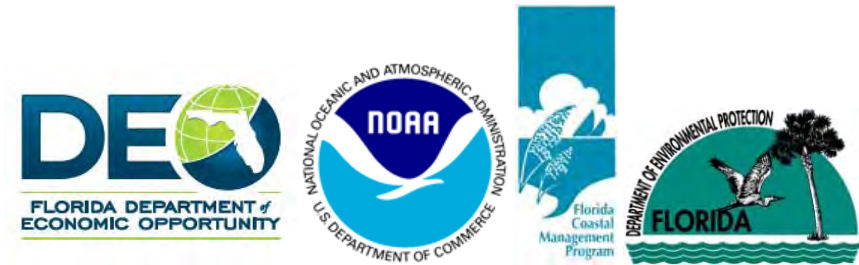
MAYOR:
GREG BRUDNICKI

COMMISSIONERS:
WARD I - JOHN KADY
WARD II - KENNETH BROWN
WARD III - BILLY RADER
WARD IV - MIKE NICHOLS

CITY MANAGER:
KEN HAMMONS

CRA DIRECTOR:
WILLIAM R. WHITSON

PROJECT MANAGER:
ROB ROSNER, RLA



These plans were funded in part by the Florida Department of Environmental Protection, and the Florida Coastal Management Program, pursuant to National Oceanic and Atmospheric Administration Award Number NA10N0S4190178. The views expressed herein are those of the author and do not necessarily reflect the views of the State of Florida, NOAA, or any of its subagencies.

PLANS PREPARED BY:



5 MIRACLE STRIP LOOP, SUITE 16
PHONE (850) 249-2425 * FAX (850) 249-2426
FLORIDA CERTIFICATE OF AUTHORIZATION. NO. 09505
VENDOR NO. 30-0133572

CIVIL ENGINEER OF RECORD: BRAD M. HARRIS, PE

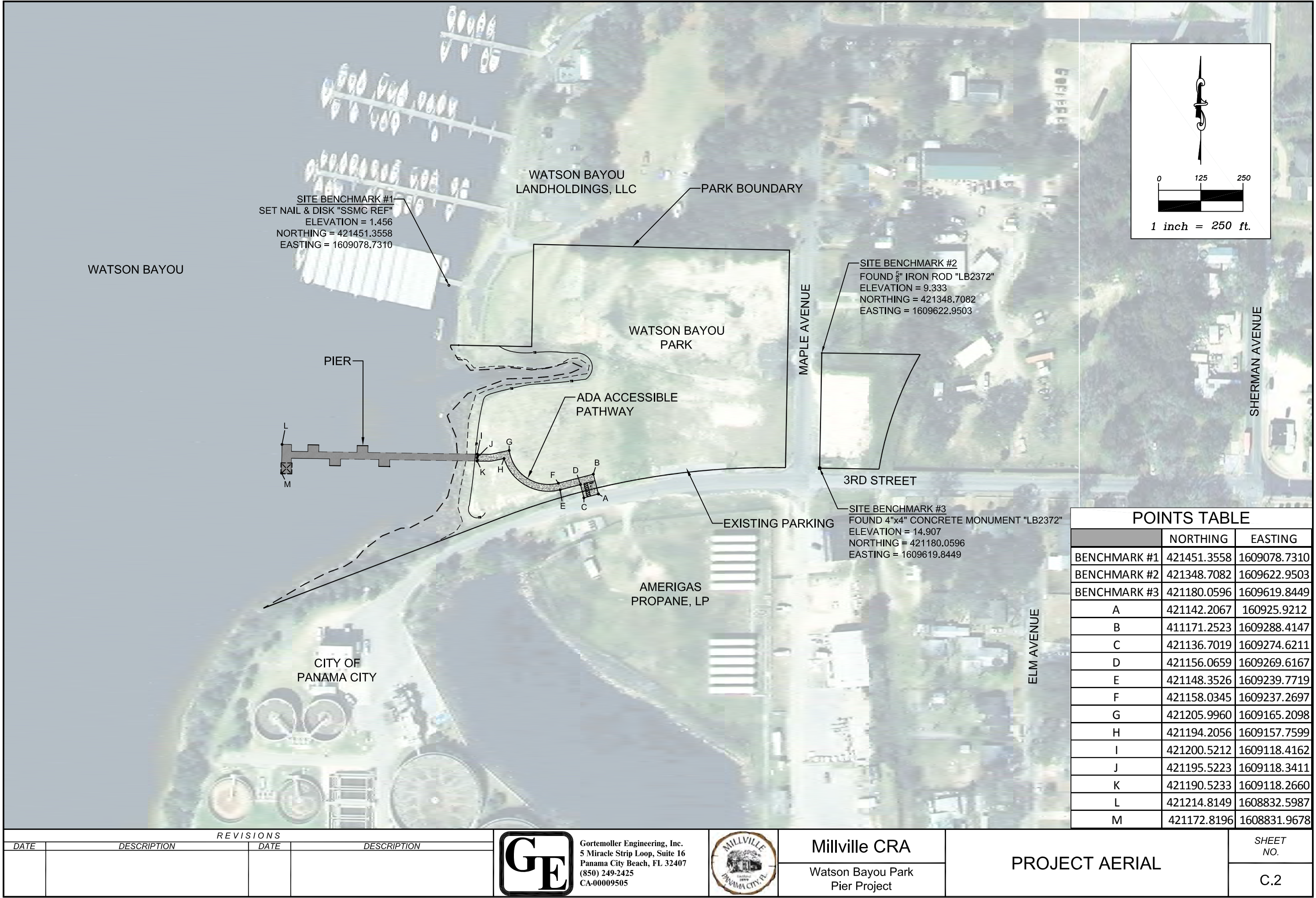
P.E. No.: 68420

ENGINEER OF RECORD: BRYANT MCKINNIE, PE

P.E. No.: 66629

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



Gortemoller Engineering, Inc.
5 Miracle Strip Loop, Suite 16
Panama City Beach, FL 32407
(850) 249-2425
CA-00009505



Millville CRA

Watson Bayou Park
Pier Project

PROJECT AERIAL

SHEET NO.

C.2

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GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE GENERAL CONDITIONS, SPECIFIC CONDITIONS AND ALL REQUIREMENTS OF THE PERMITS OBTAINED BY THE NECESSARY REGULATORY AGENCIES AND THOSE PERMITS OBTAINED BY THE CONTRACTOR. THE PERMITS PROVIDED ARE:
FDEP - ENVIRONMENTAL RESOURCE PERMIT #03-0308570-001-EI
ACOE - DEPARTMENT OF ARMY PERMIT #SAJ-2011-03093(LP-LSL)
2. AT LEAST THREE CALENDAR DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT A TENTATIVE BASE CONSTRUCTION SCHEDULE AND A PRE-CONSTRUCTION SURVEY TO THE CITY OF PANAMA CITY ENGINEER FOR APPROVAL. NO WORK SHALL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE, THE TRAFFIC CONTROL PLAN, AND THE PRE-CONSTRUCTION SURVEY.
3. THE CONSTRUCTION SCHEDULE SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE CITY ENGINEER, AND WILL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. THE UPDATED SCHEDULE WILL BE SUBMITTED TO THE CITY ENGINEER NO LATER THAN THREE DAYS PRIOR TO EACH SCHEDULED MONTHLY PROGRESS MEETING. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
4. THE PRE-CONSTRUCTION SURVEY SHALL VERIFY THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE CITY ENGINEER AND SHALL ALSO ESTABLISH THE LOCATION AND DESCRIPTION OF ALL ADDITIONAL REFERENCE POINTS AND THE LOCATIONS, DESCRIPTIONS, AND ELEVATIONS OF ALL ADDITIONAL BENCHMARKS TO BE USED IN CONSTRUCTING THE PROJECT. THE SURVEY SHALL BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. SIGNIFICANT INCONSISTENCIES BETWEEN THE FIELD NOTES AND THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE CITY ENGINEER SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER FOR RESOLUTION PRIOR TO ISSUANCE OF THE NOTICE TO PROCEED. PAYMENT WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
5. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL PROPERTY CORNERS AND MONUMENTS SHOWN ON THE DRAWINGS OR FOUND DURING CONSTRUCTION. IF A PROPERTY CORNER OR MONUMENT IS DESTROYED OR DISTURBED, THE CONTRACTOR SHALL HAVE IT REPLACED AND CERTIFIED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. ALL COSTS FOR PRESERVING, REPLACING AND CERTIFYING PROPERTY CORNERS AND MONUMENTS WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
6. ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY ENGINEER AND:
FDEP, BUREAU OF SURVEY AND MAPPING, MS 105
3900 COMMONWEALTH BLVD.
TALLAHASSEE, FLORIDA 32399
(850) 245-2606 (OFFICE)
(850) 245-2645 (FAX)
(850) 294-3072 (CELL)
7. CONTRACTOR SHALL STORE ALL CONSTRUCTION MATERIALS AND EQUIPMENT A MINIMUM OF 50' FROM THE DESIGNATED JURISDICTIONAL WETLANDS LINE. STAGING/STORING ARE SHALL HAVE NECESSARY EROSION CONTROL DEVICES PROVIDED TO PREVENT RUNOFF FROM STAGING/STORAGE AREA.
8. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE PARK BOUNDARY WEST OF MAPLE AVENUE.

9. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. THE FOLLOWING UTILITIES SHOULD BE CONTACTED FOR INFORMATION CONCERNING TYPE AND LOCATION OF THEIR FACILITIES. THE LIST MAY NOT INCLUDE ALL UTILITIES IN THE AREA.

SUNSHINE STATE ONE-CALL OF FLORIDA
*(5 DAYS PRIOR TO CONSTRUCTION)
CITY OF PANAMA CITY/WATER UTILITY
CITY OF PANAMA CITY/SEWER UTILITY
GULF POWER (ELECTRICAL)
COMCAST (CABLE TELEVISION)
KNOLOGY (CABLE TELEVISION)
AT&T (COMMUNICATIONS)
BELL SOUTH (COMMUNICATIONS)
TECO-PEOPLES GAS

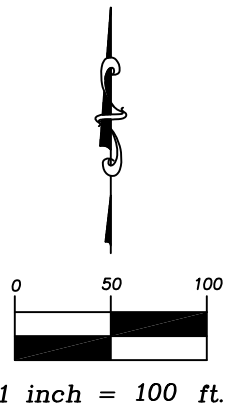
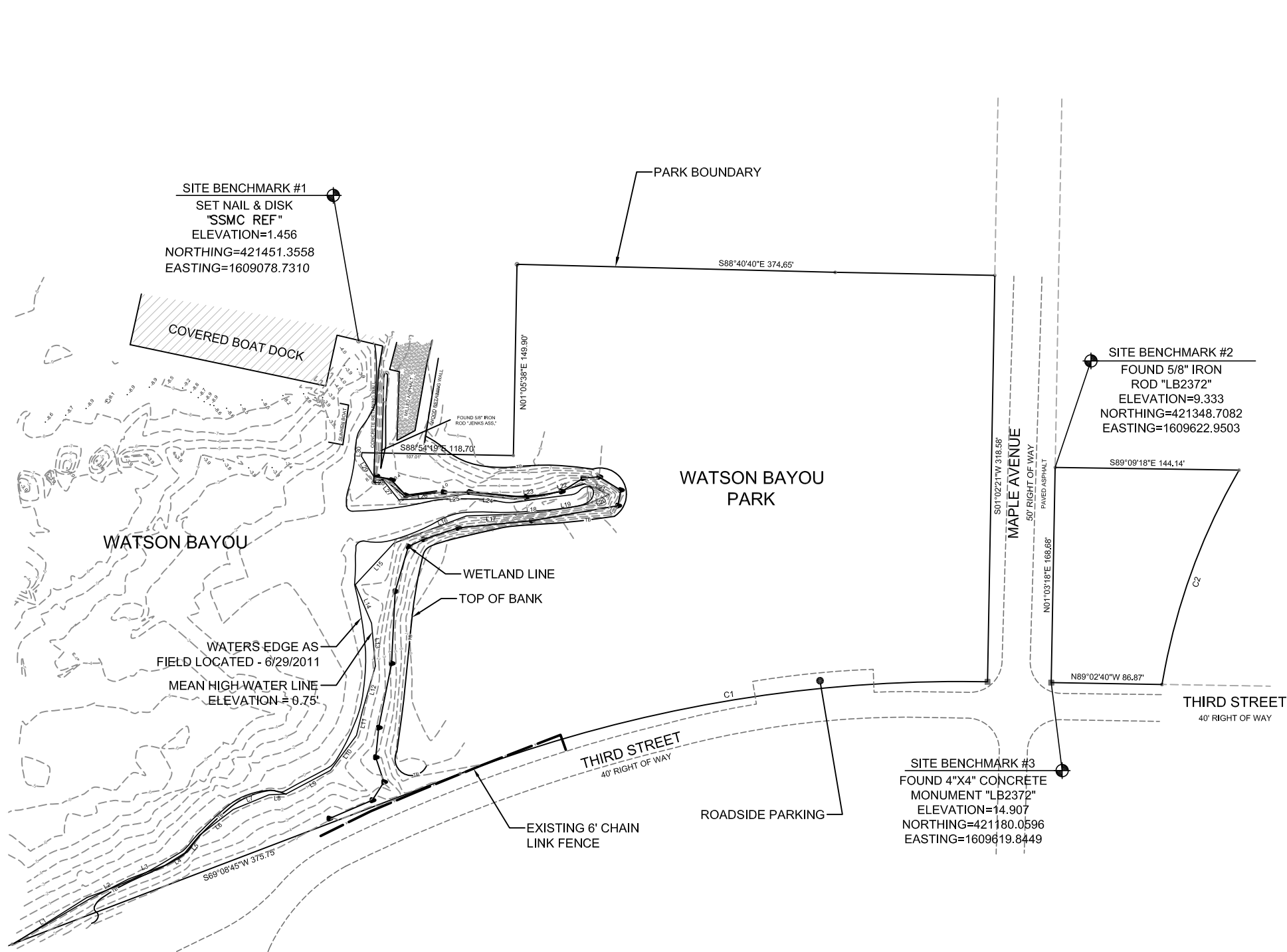
800-432-4770

850-872-3191
850-872-3191
850-505-5567
850-770-8056
850-215-2138
770-918-5424
850-748-3718
850-914-6143
10. PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR SHALL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO WILL BE PROVIDED TO THE CITY OF PANAMA CITY FIRE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ELECTRIC UTILITY PROVIDER A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
11. THE CONTRACTOR WILL NOTIFY THE GAS UTILITY PROVIDER A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION IN THE VICINITY OF GAS MAINS, AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. A GAS DEPARTMENT INSPECTOR SHALL BE ON SITE WHEN WORK ACTIVITIES TAKE PLACE NEAR GAS MAINS. A MINIMUM OF 72 HOURS NOTICE SHALL BE PROVIDED FOR ANY REQUEST FOR GAS MAIN EXPOSURE OR ADJUSTMENT.
12. WHERE THE REQUIRED MINIMUM SEPARATION BETWEEN UTILITIES IS SPECIFIED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
13. NO TRENCHES SHALL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
14. ALL EXISTING DRAINAGE STRUCTURES AND PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE CITY ENGINEER. ALL DRAINAGE STRUCTURES, PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., THAT ARE TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED WITH THE SAME TYPE AND MATERIAL AT NO ADDITIONAL COST TO THE CITY.
15. ALL MANHOLES OR STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE WILL BE REMOVED TO A MINIMUM OF THREE FEET BELOW GRADE AND FILLED WITH COMPACTED SAND.
16. THE CONTRACTOR SHALL PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ACCESS BY PROPERTY OWNERS TO THEIR PROPERTY WILL BE MAINTAINED AT ALL TIMES, AND ANY BARRICADING OF ACCESS MUST BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPING ON ADJACENT PROPERTIES, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED EXCEPT THOSE TREES IDENTIFIED ON THE PLANS TO BE REMOVED. ALL TREES OUTSIDE THE CONSTRUCTION WORK ZONE ARE TO BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE BARRICADES WILL BE INSTALLED AND MAINTAINED AROUND ALL TREES TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
18. DISTURBED AREAS SHALL BE COMPACTED (AS A MINIMUM) EQUAL TO ADJACENT UNDISTURBED GROUND EXCEPT WHEN OTHERWISE SPECIFIED FOR BEDDING, BACKFILL, OR EMBANKMENT.

19. ALL DISTURBED AREAS, EXCEPT FOR AREAS THAT ARE LANDSCAPED, PAVED, OR BELOW NORMAL WATER LEVEL, ARE TO BE GRASSED. EXISTING GRASSED AREAS THAT ARE DISTURBED WILL BE SODDED WITH THE SAME GRASS TYPE AS EXISTING, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER. CENTIPEDE SOD SHALL BE USED FOR ALL DISTURBED AREAS NOT CURRENTLY GRASSED. WHERE SOD IS PLACED ON SLOPES OF 2:1 OR STEEPER, A REINFORCEMENT MAT SHALL BE INSTALLED BENEATH THE SOD, AND THE SOD IS TO BE STAPLED. COSTS FOR FERTILIZING, WATERING, AND STAPLING WILL BE INCLUDED IN THE UNIT PRICE OF THE PAY ITEM FOR PERFORMANCE TURF (SEEDING AND MULCHING) AND/OR IN THE UNIT PRICE FOR PERFORMANCE TURF (SODDING).
20. PRIOR TO REQUESTING A FINAL INSPECTION, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY ENGINEER ONE COMPLETE SET OF AS-BUILT RECORD DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA CERTIFYING ON SUCH PLANS THAT THE FACILITIES SHOWN THEREON HAVE BEEN CONSTRUCTED TO THE GRADES, ELEVATIONS AND LOCATIONS SHOWN ON THE DRAWINGS AND THAT THEY ARE LOCATED WITHIN THE PUBLIC RIGHTS-OF-WAY, PROPERTY BOUNDARIES, AND EASEMENTS AS SHOWN ON THE APPROVED PLANS. THE CITY OF PANAMA CITY WILL ALSO REQUIRE ONE DIGITAL COPY OF THE AS-BUILT IN AUTOCAD FORMAT.
21. SOUTHEASTERN SURVEYING AND MAPPING CORPORATION (850-638-0790), PROVIDED THE TOPOGRAPHY, BENCHMARKS, RIGHTS-OF-WAY AND UTILITY LOCATION INFORMATION SHOWN ON THE CONSTRUCTION DRAWINGS. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
22. ALL UTILITIES EXCEPT FOR THE WATER AND SANITARY SEWER SYSTEMS ARE TO BE ADJUSTED OR RELOCATED BY OTHERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE CITY ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING OR RELOCATING THE WATER AND SANITARY SEWER UTILITY SYSTEMS AS REQUIRED BY THE CONSTRUCTION DRAWINGS.
23. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL VALVE BOXES ON GAS AND WATER MAINS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE TO REMAIN IN SERVICE. PRIOR TO COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES WITHIN CONSTRUCTION AREAS SO THE TOPS ARE FLUSH WITH FINISHED PAVEMENT OR WITH FINISHED GRADE IN NON-PAVED AREAS.
24. THE LOCATIONS OF ALL GAS MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD VERIFIED. THE CONTRACTOR SHALL HAVE ALL GAS FACILITIES LOCATED PRIOR TO BEGINNING ANY WORK IN THEIR VICINITY AND SHALL USE EXTREME CAUTION WHEN DIGGING NEAR GAS MAINS AND SERVICES.
25. ALL GAS MAINS AND SERVICES ENCOUNTERED DURING CONSTRUCTION THAT ARE NOT TO BE ADJUSTED OR RELOCATED SHALL BE PROTECTED AND SUPPORTED BY THE CONTRACTOR.
26. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD AN "EROSION CONTROL PLAN" PRIOR TO THE COMMENCING ANY WORK AT THE SITE. THIS PLAN SHALL BE DEVELOPED ACCORDING TO THE CONTRACTORS OWN PLAN OR WORK AND SEQUENCING FOR THE CONSTRUCTION.
27. ALL EROSION CONTROL ITEMS SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
28. THE CONTRACTOR SHALL BE RESPONSIBLE TO ACQUIRE ALL NECESSARY DEWATERING PERMITS FROM THE NECESSARY AGENCIES - I.E. FDEP, NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT, ETC. ALL DEWATERING ACTIVITIES ARE TO TAKE PLACE WITHIN THE PROJECT LIMITS.
29. THE CONTRACTOR IS TO STORE ALL EXCAVATED MATERIAL, TEMPORARY AND PERMANENT, WITHIN THE PROJECT LIMITS UTILIZING THE PROPER BEST MANAGEMENT PRACTICES (I.E. SILT FENCING AROUND THE EXCAVATED MATERIAL TO PREVENT OFFSITE RUNOFF). AN ACCEPTABLE ALTERNATE METHOD IS TO DISPOSE OF ALL EXCAVATED MATERIAL TO A LOCAL MUNICIPALITY APPROVED LANDFILL. IF ALTERNATE METHOD IS PREFERRED, CONTRACTOR IS TO SUBMIT DISPOSAL DOCUMENTATION TO CITY ENGINEER AND TO THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
30. ITEMS AND SYSTEMS DESCRIBED IN THESE DRAWINGS AND DELEGATED TO BE DESIGN BY THE MANUFACTURER SHALL BE DESIGNED BY A FL LICENSED ENGINEER. THE MANUFACTURER SHALL BE CONSIDERED THE DELEGATED ENGINEER OF RECORD FOR THOSE SYSTEMS AND SHALL PROVIDE SIGNED & SEALED SHOP DRAWINGS TO THE CITY ENGINEER FOR REVIEW PRIOR TO FABRICATION.

REVISIONS						Millville CRA	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					C.3
				Gortemoller Engineering, Inc. 5 Miracle Strip Loop, Suite 16 Panama City Beach, FL 32407 (850) 249-2425 CA-00009505		Watson Bayou Park Pier Project		

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MEAN HIGH WATER LINE TABLE		
LINE	BEARING	LENGTH
L1	S59°42'23"W	69.49'
L2	N62°48'25"E	35.22'
L3	N69°29'47"E	29.97'
L4	N57°56'08"E	18.61'
L5	N39°57'40"E	18.17'
L6	N52°38'02"E	33.17'
L7	N67°36'51"E	30.23'
L8	N87°07'36"E	13.46'
L9	N62°05'22"E	39.31'
L10	N36°42'48"E	34.28'
L11	N16°00'35"E	36.63'
L12	N13°41'42"E	19.78'
L13	N05°03'36"W	33.58'
L14	N22°49'23"W	32.80'
L15	N42°48'36"E	44.29'
L16	N69°22'06"E	60.91'
L17	N87°56'42"E	40.47'
L18	N84°59'31"E	21.70'
L19	N80°00'03"E	32.79'
L20	N66°01'16"E	19.14'
L21	N66°31'12"W	21.09'
L22	S73°44'41"W	33.24'
L23	S83°22'00"W	23.14'
L24	N83°50'02"W	36.95'
L25	S82°22'58"W	23.04'
L26	S87°05'23"W	31.04'
L27	N38°53'54"W	19.75'
L28	N87°01'36"W	5.76'
L29	N31°13'02"W	21.36'
L30	N04°30'09"E	3.06'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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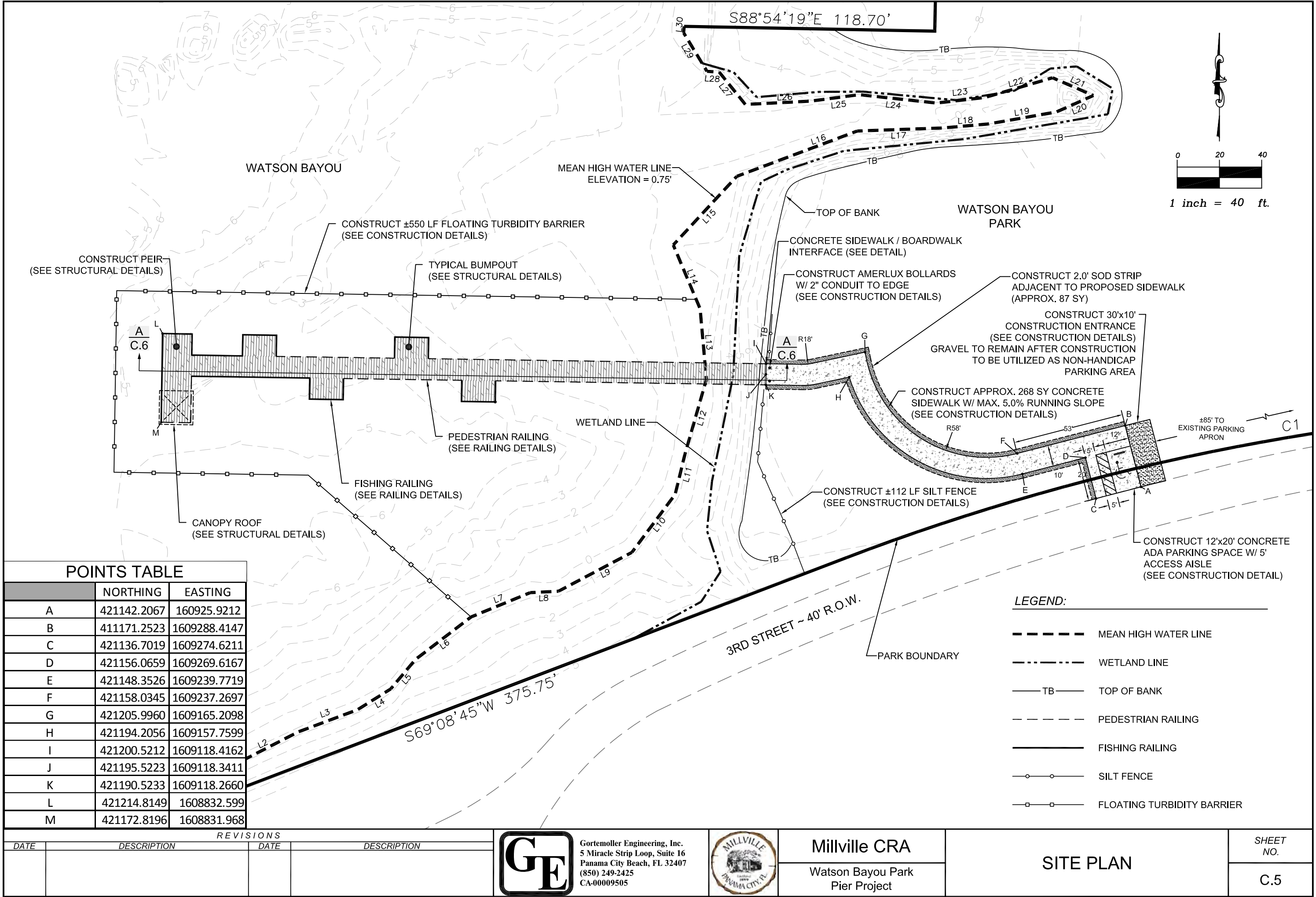
Millville CRA
Watson Bayou Park
Pier Project

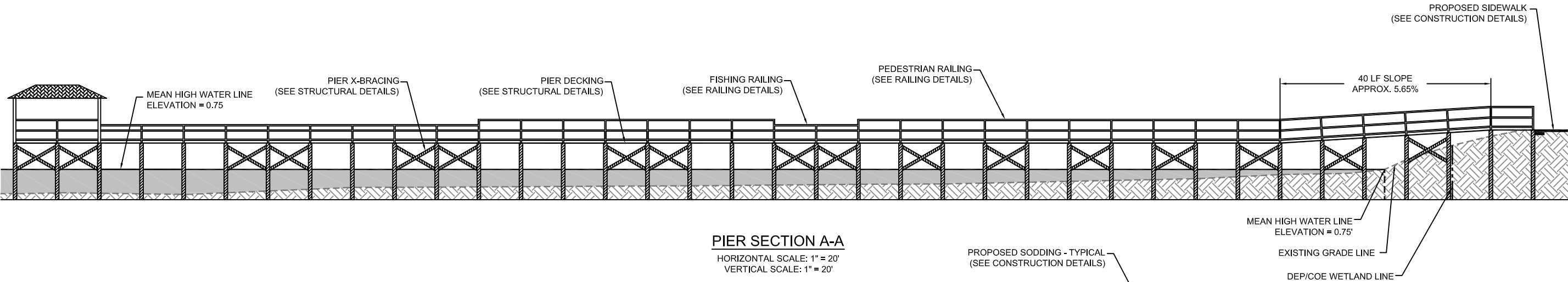
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EXISTING CONDITIONS

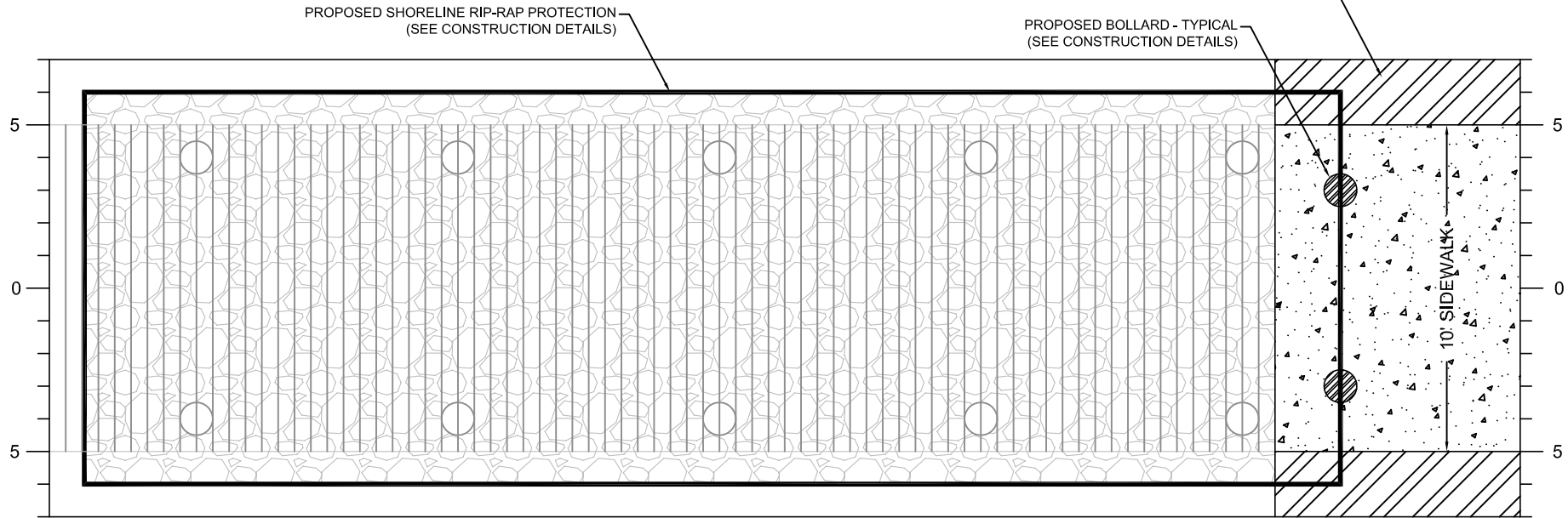
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C.4

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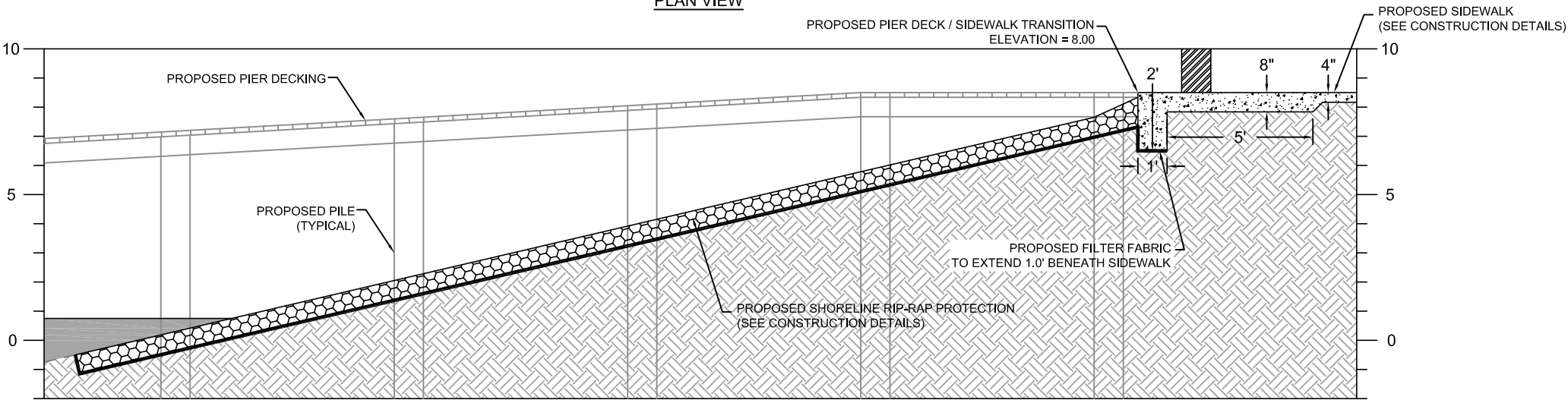




PIER SECTION A-A
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 20'



PLAN VIEW



PROFILE VIEW

CONCRETE SIDEWALK / BOARDWALK INTERFACE

HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 5'

REVISIONS			
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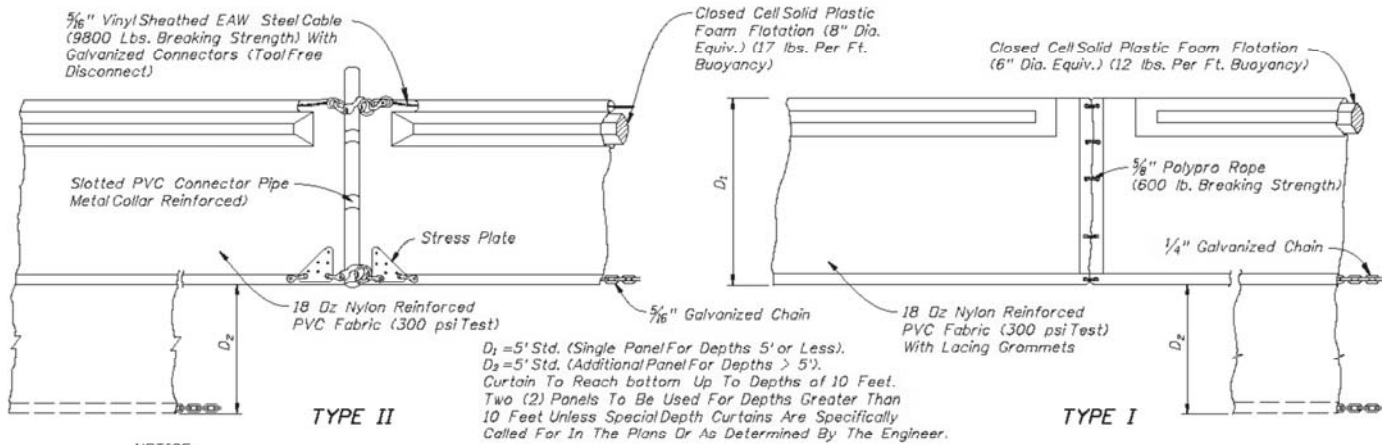


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PIER PROFILE VIEW

SHEET
NO.
C.6

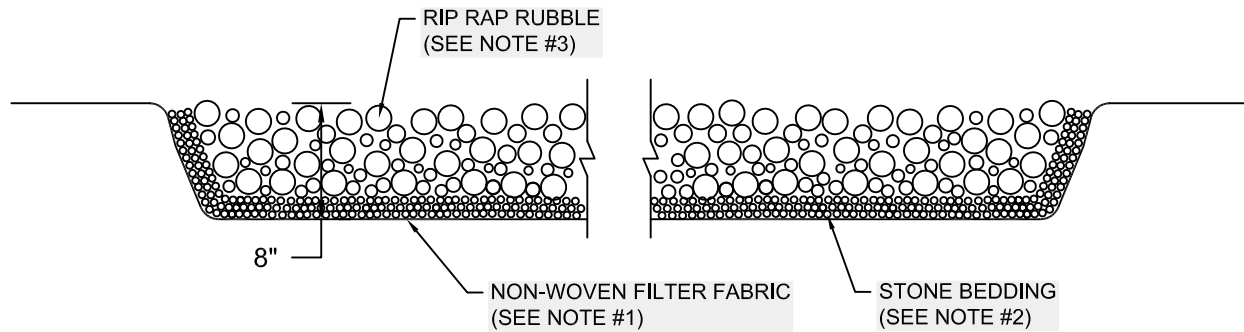
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NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

- Notes:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
 2. Number and spacing of anchors dependent on current velocities.
 3. Deployment of barrier around pile locations may vary to accommodate construction operations.
 4. Navigation may require segmenting barrier during construction operations.
 5. For additional information see Section 104 of the Standard Specifications.

FLOATING TURBIDITY BARRIER DETAIL
NTS

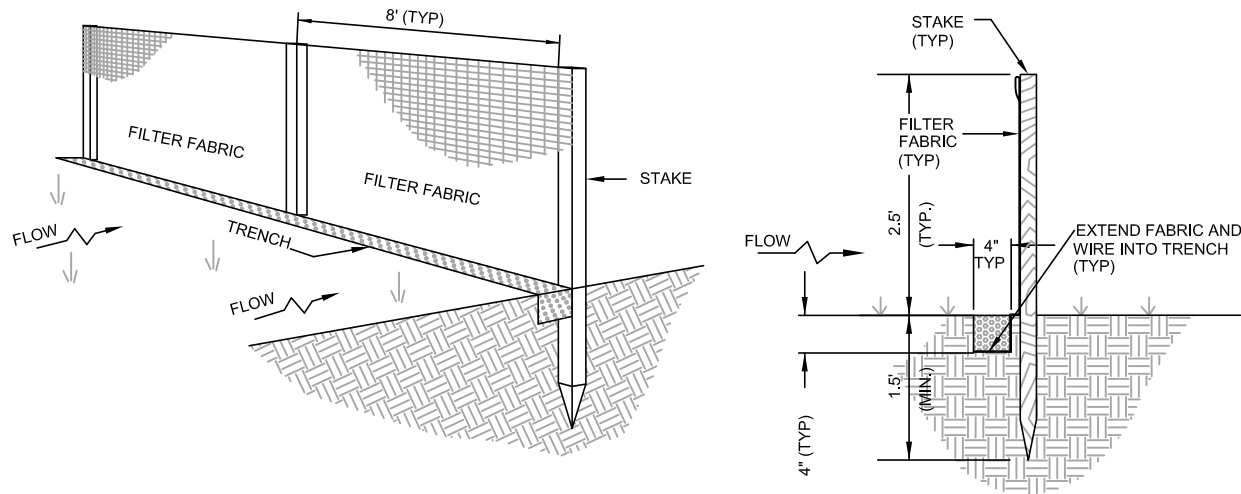


- GENERAL NOTES:
- 1 - FILTER FABRIC SHALL BE PER FDOT STANDARD AND SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SECTION 985.
 - 2 - STONE BEDDING SHALL BE PER FDOT STANDARD AND SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SECTION 530 AND PLACED AT A MINIMUM OF 6" IN DEPTH. MATERIALS SHALL BE EITHER NATURAL STONE (SECTION 901-2) OR CRUSHED CONCRETE (SECTION 901-5).
 - 3 - RIP RAP RUBBLE SHALL BE PER FDOT STANDARD AND SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SECTION 530-2.2.1.

RIP-RAP STONE CRITERIA

Weight Maximum Pounds	Weight 50% Pounds	Weight Minimum Pounds	Minimum Blanket Thickness in Feet
700	300	60	2.5
Ensure that at least 97% of the material by weight is smaller than Weight Maximum pounds].			
Ensure that at least 50% of the material by weight is greater than Weight 50% pounds].			
Ensure that at least 85% of the material by weight is greater than Weight Minimum pounds.			

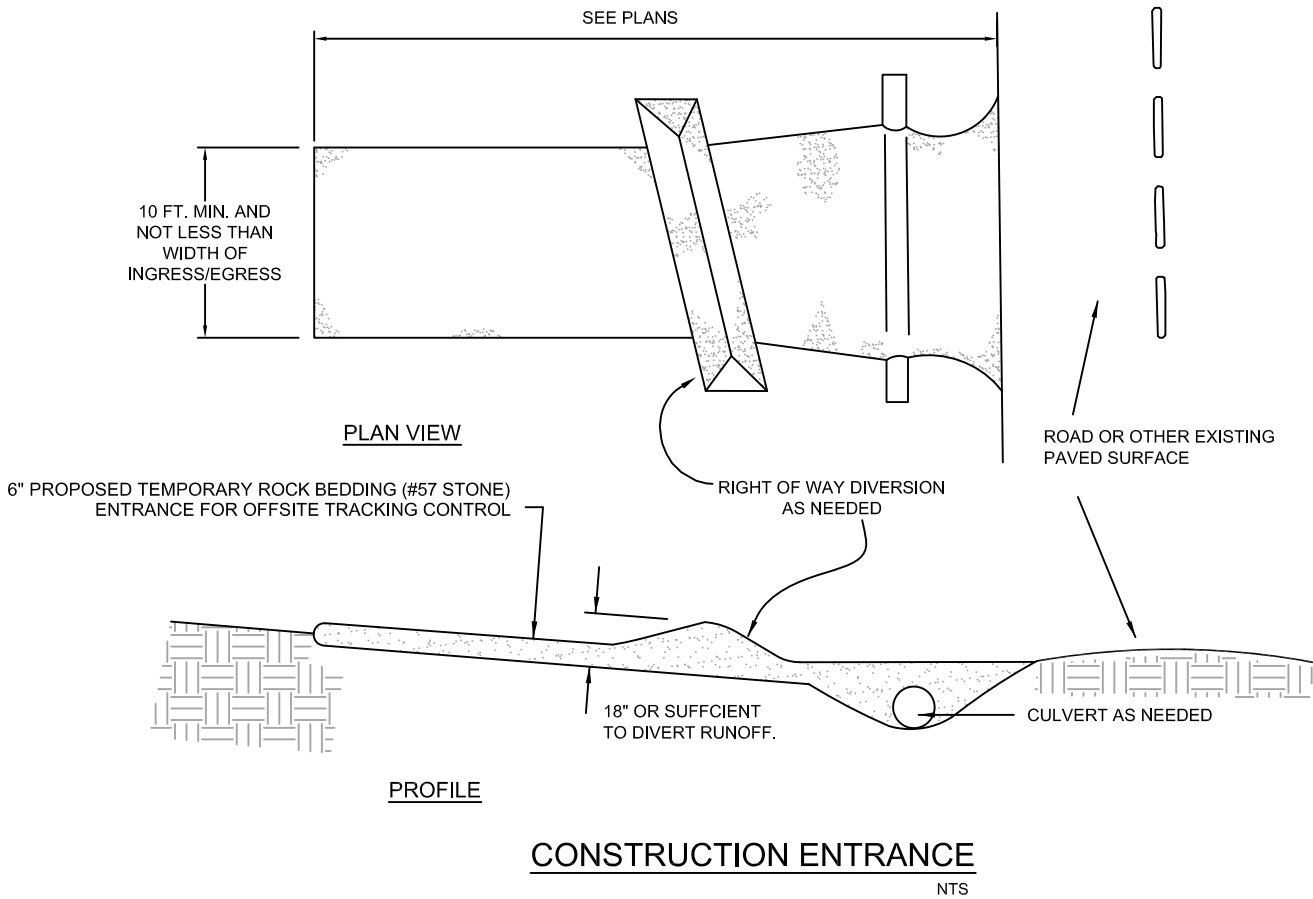
SHORE PROTECTION RIP-RAP
NTS



NOTES:

1. SET THE POSTS AND EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS. POSTS SHALL BE SPACED A MAX. OF 10' APART AT THE BARRIER LOCATION & DRIVEN INTO THE GROUND A MIN. OF 12". WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6'.
2. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1" LONG, TIE WIRES OR HOG RINGS. THE WIRE MESH SHALL EXTEND INTO THE TRENCH A MIN. OF 2" & SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.
3. ATTACH THE FILTER FABRIC TO THE WIRE MESH FENCE & EXTEND IT INTO THE TRENCH A MIN. OF 8".
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.
5. WHEN ATTACHING TWO SILT FENCES TOGETHER, PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS TOGETHER @ LEAST 180 DEGREES ON A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FILTER FABRIC & DRIVE BOTH POSTS INTO THE GROUND.

SILT FENCE DETAIL
NTS



CONSTRUCTION ENTRANCE
NTS

REVISIONS			
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CONSTRUCTION DETAILS

SHEET NO.
C.7

2' SOD

10'

2' SOD

EXPANSION JOINT

6"x6" W1.4 x W1.4 W.W.F.
(OPTIONAL FIBER MESH)

2% Max. (SLOPE)

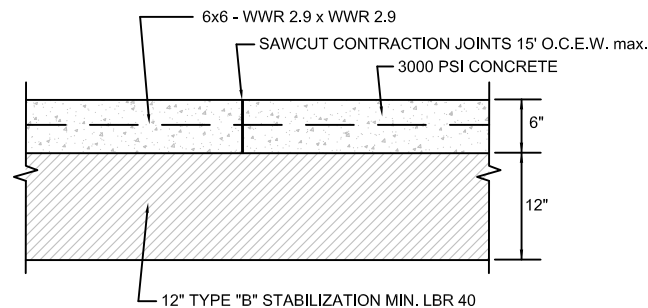
MATCH FINISHED GRADE (TYP.)

6"

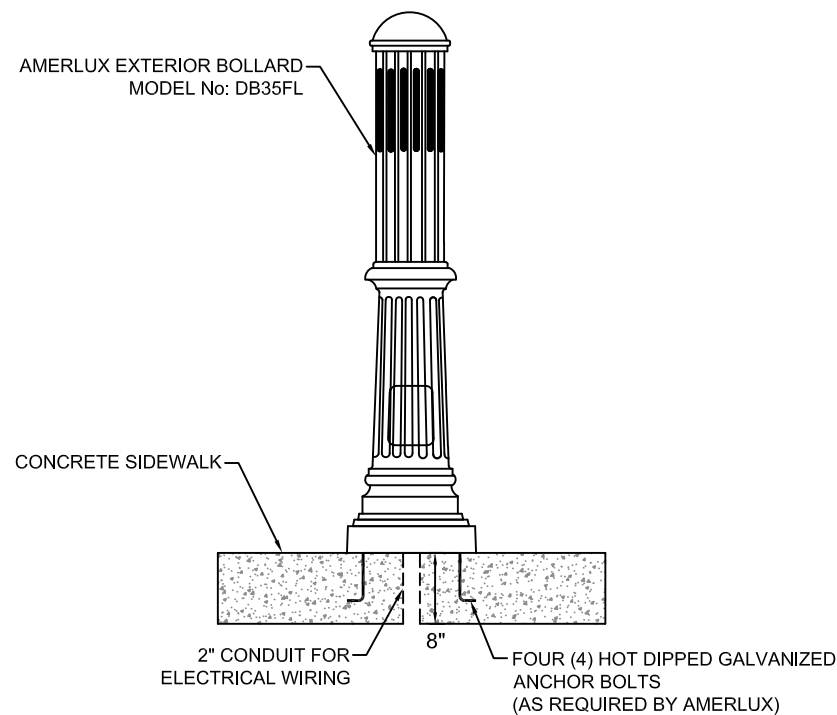
12" SUB-GRADE COMPACTED TO 95% MODIFIED PROCTOR UNLESS OTHERWISE SPECIFIED

1. SIDEWALKS SHALL BE 4" THICK.
2. WALKS 8' AND NARROWER, SPACE TRANSVERSE CONTRACTION JOINTS AT INTERVAL EQUAL TO WIDTH OF WALK OR AS NOTED.
3. CONTRACTION JOINTS TO BE 1" DEEP SCORED. SAW-CUT, OR FORMED WITH INSERT AT CONTRACTORS OPTION UNLESS NOTED OTHERWISE. SCORED JOINTS TO USE AN APPROVED TOOL. INSERTS TO BE GREENSTREAK ZIPCAR #855 OR EQUAL. SCORED JOINTS TO BE EDGED WITH 1/8" RADIUS.
4. EXPANSION JOINT REQUIRED WHERE SHOWN. EXPANSION JOINT TO CONSIST OF 1/2" FIBER BOARD AND GREENSTREAK CAP SEAL #624 OR EQUAL.
5. A MINIMUM 2' CLEAR ZONE FROM BACK OF CURB TO SIDEWALK.

NTS



NTS



NTS

Technical drawing of a wheelchair with the following dimensions:

- Seat diameter: 10" DIA
- Seat height: 25.5"
- Seat width: 12"
- Seat depth: 5" TYP
- Seat thickness: 5"
- Wheel diameter: 18" RAD
- Wheel width: 20"
- Wheel thickness: 2" TYP
- Footrest length: 5"
- Footrest height: 10"

WH
BLACK O

TOP OF STALL

EXIST. GRADE TO SIGN BOTTOM 7'-0"

LET
BAC

20'

16'

4" WHITE
2" SPACE
4" BLUE

4" WHITE
2" SPACE
4" BLUE

6' CL

12'

5'

12" TYP

Diagram illustrating the dimensions and components of a disabled parking sign assembly:

- Top Sign:** 1'-6" wide, 1'-6" high. Features the International Symbol of Access (wheelchair icon).
- Middle Sign:** 1'-0" high. Text: "PARKING BY DISABLED PERMIT ONLY".
- Bottom Sign:** 6" high, 1'-0" wide. Text: "\$100 FINE F.S. 316.1955".
- Post Dimensions:**
 - 7'-0" CLEAR height above the bottom sign.
 - 24" MIN height below the bottom sign.
- Other Labels:**
 - 1" (vertical dimension between middle and bottom signs)
 - 1'-0" (width of middle and bottom signs)
 - GRADE (indicated by a horizontal line)

NTS

C.8

NAIL SIZE EQUIVALENTS			
SPECIFIED NAIL	ACCEPTABLE NAIL OPTIONS		
30d-S	30d SINKER	20d COMMON	N/A
20d-S	20d SINKER	16d COMMON	3-1/2"x0.162"
16d-S	16d SINKER	12d COMMON	3-1/2"x0.148"
10d-C	16d SINKER	10d COMMON	3"x0.148"
12d-S	12d SINKER	12d COMMON	3-1/4"x0.131"
8d-C	12d SINKER	8d COMMON	2-1/2"x0.131"
8d-S	8d SINKER	7d COMMON	2-3/8"x0.113"
*10dx 1-1/2"	-	-	1-1/2"x0.148"
*8dx 1-1/2"	-	-	1-1/2"x0.131"

*SIMPSON PROPRIETARY FASTENER FOR USE WITH CERTAIN CONNECTORS. SIMPSON FASTENERS CAN ONLY BE REPLACED WITH ALTERNATES PER MANUFACTURER'S INSTRUCTIONS OR CATALOG.

COMPONENTS & CLADDING WIND PRESSURES - ASCE 7-02

<u>WIND CRITERIA</u>	
WIND SPEED	= 130 MPH
BUILDING CLASSIFICATION	= I
IMPORTANCE FACTOR	= 0.77
INTERNAL PRESSURE COEFFICIENT	= 0*
EXPOSURE	= B
MWFRS END ZONE WIDTH '2a'	= 6.0 FT
C & C END ZONE WIDTH 'a'	= 3.0 FT
*BUILDING DESIGNED AS AN OPEN STRUCTURE.	

ROOF PRESSURES				
TRIB AREA (sf) +/-	ZONE	INTERNAL PRESS. COEFF.	POS. NORM. PRESS. (PSI)	NEG. NORM. PRESS. (PSI)
<9	1	0	10.2	-30.8
<9	2	0	16.3	-46.2
<9	3	0	20.4	-61.6
9 TO 36	1	0	10.2	-30.8
9 TO 36	2	0	16.3	-46.2
9 TO 36	3	0	16.3	-46.2
>36	1	0	10.2	-30.8
>36	2	0	10.2	-30.8
>36	3	0	10.2	-30.8

SHEAR NAILS IN ENDS OF 2x's		
LUMBER SIZE	MIN # OF 12d-S	MAX # OF 12d-S
2x4	2	4
2x6	4	7
2x8	5	9
2x10	7	12
2x12	8	15

USE ABOVE # OF FASTENERS TO NAIL 2x PLATES TO ENDS OF STUDS, STUDS TO ENDS OF HEADERS & OTHER SIMILAR CONDITIONS, U.N.O.

ABBREVIATIONS:

U.N.O.	=	UNLESS NOTED OTHERWISE
UNO	=	UNLESS NOTED OTHERWISE
P.A.F.	=	POWDER ACTUATED FASTENER
PT	=	PRESERVATIVE PRESSURE TREATED
PL	=	PLATE
TYP.	=	TYPICAL. REPEAT AT SIMILAR CONDITIONS.
COL	=	COLUMN
T&B	=	TOP & BOTTOM
SYP	=	SOUTHERN PINE SPECIES GROUP
SPF(S)	=	SPRUCE PINE FIR SOUTH SPECIES GROUP
T.R.	=	THREADED ROD
MBS	=	METAL BUILDING SYSTEM (PRE-ENGINEERED METAL BUILDING)
EOR	=	ENGINEER OF RECORD
CCA	=	CHROMATED COPPER ARSENATE
FBC	=	FLORIDA BUILDING CODE

REVISIONS					Bryant McKinnie, PE#66629 Gortemoller Engineering, Inc. 5 Miracle Strip Loop, Suite 16 Panama City Beach, FL 32407 (850) 249-2425 CA-00009505		Millville CRA Watson Bayou Park Pier Project	STRUCTURAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						S.2

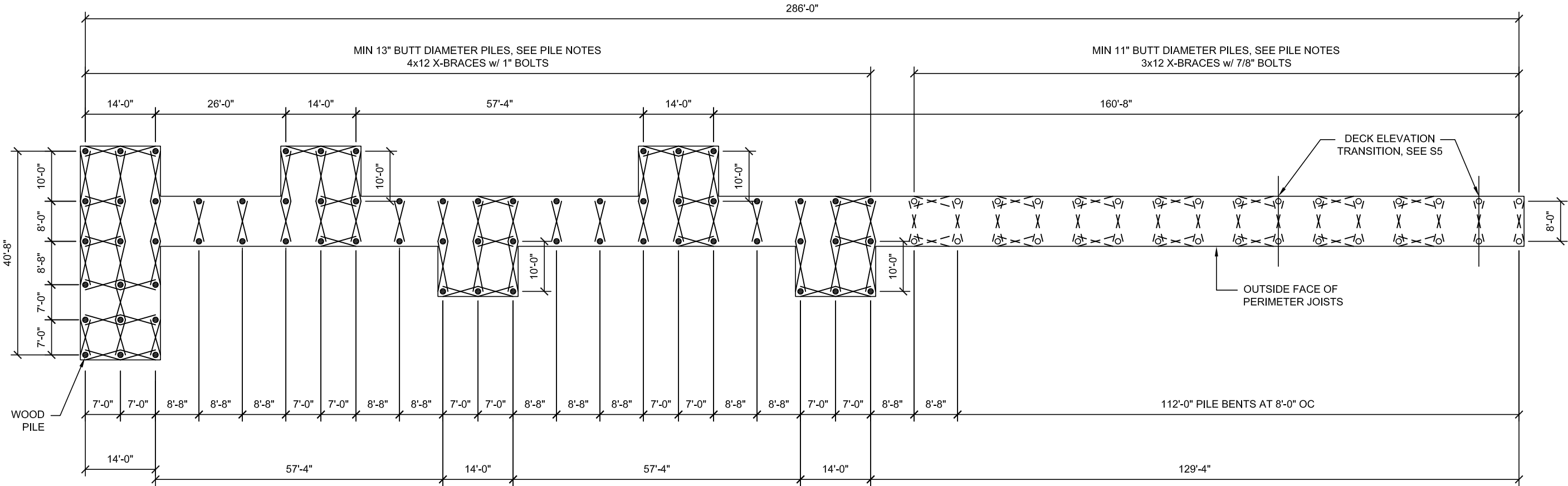
LEGEND:

-  = X-BRACING AT 13" BUTT DIAM PILES SHALL BE 4x12 w/ (3) 1" DIAM BOLTS EA END
-  = X-BRACING AT 11" BUTT DIAM PILES SHALL BE 3x12's w/ (3) 7/8" DIAM BOLTS EA END.
-  = 13" BUTT DIAM PILE MEASURED 3' FROM BUTT (LARGE) END, MIN OF 9" TIP. EMBEDMENT SHALL BE TO -31' ELEVATION (26' EMBED AT -5' GROUND ELEVATION).
-  = 11" BUTT DIAM PILE MEASURED 3' FROM BUTT (LARGE) END, MIN OF 7" TIP. EMBEDMENT SHALL BE TO -28' ELEVATION (36' EMBED AT +8' GROUND ELEVATION).

DIMENSIONS TO
CENTER OF PILES

PILE NOTES:

1. PILE BUTT DIAMETER IS MEASURED 3'-0" FROM BUTT (LARGE) END. MAX TAPPER IS 0.1"/FT.
2. TIMBER PILES SHALL BE SOUTHERN PINE (SYP) WITH Fb=2,400 psi, AND PER ASTM D25 & ASTM D2899
3. TIMBER PILES SHOULD BE PRESERVATIVE TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS' ASSOCIATION (AWPA) STANDARDS C3 & C18.
4. WOOD PILES SHALL BE PRESERVATIVE TREATED TO A MINIMUM OF 2.5pcf WITH CCA OR 20pcf WITH CREOSOTE AS APPROPRIATE FOR THE ENVIRONMENT AND MARINE PESTS FOR THIS AREA PER AWPA STANDARDS.
5. ENDS AND NOTCHES CUT AND HOLES DRILLED IN WOOD SHALL BE FIELD TREATED WITH COPPER NAPHTHENATE (2% COPPER) PRESERVATIVE PER AWPA M4.
8. JETTING SHALL NOT BE USED.
9. IT IS RECOMMENDED THAT DRIVING BE MONITORED BY SOUTHERN EARTH SCIENCES (OR AN ALTERNATE 3RD PARTY TESTING COMPANY APPROVED BY THE EOR) AND BASIC INFORMATION COLLECTED FOR EACH PILE INCLUDING TYPE/SIZE OF DRIVING EQUIPMENT AND BLOW COUNT RECORD (ESPECIALLY LAST 12").
10. A MINIMUM OF (2) PILES SHALL BE TESTED FOR TENSION AND COMPRESSIVE AXIAL CAPACITY PER RECOMMENDATIONS OF THE AFORE MENTIONED GEOTECH REPORT AND THE RESULTS PROVIDED TO THE EOR PRIOR TO CONTINUATION OF PRODUCTION PILES. THE (2) MINIMUM PILES TO BE TESTED SHALL BE AT THE WATER END (FARTHEST FROM SHORE) AND ABOUT 95' FROM THE WATER END. AT A MINIMUM, TESTING SHOULD BE PERFORMED USING A PILE DYNAMIC ANALYZER (PDA) ACCORDING TO ASTM D-4945.



PILE & X-BRACING PLAN

SCALE: 3/64" = 1'-0"

REVISIONS

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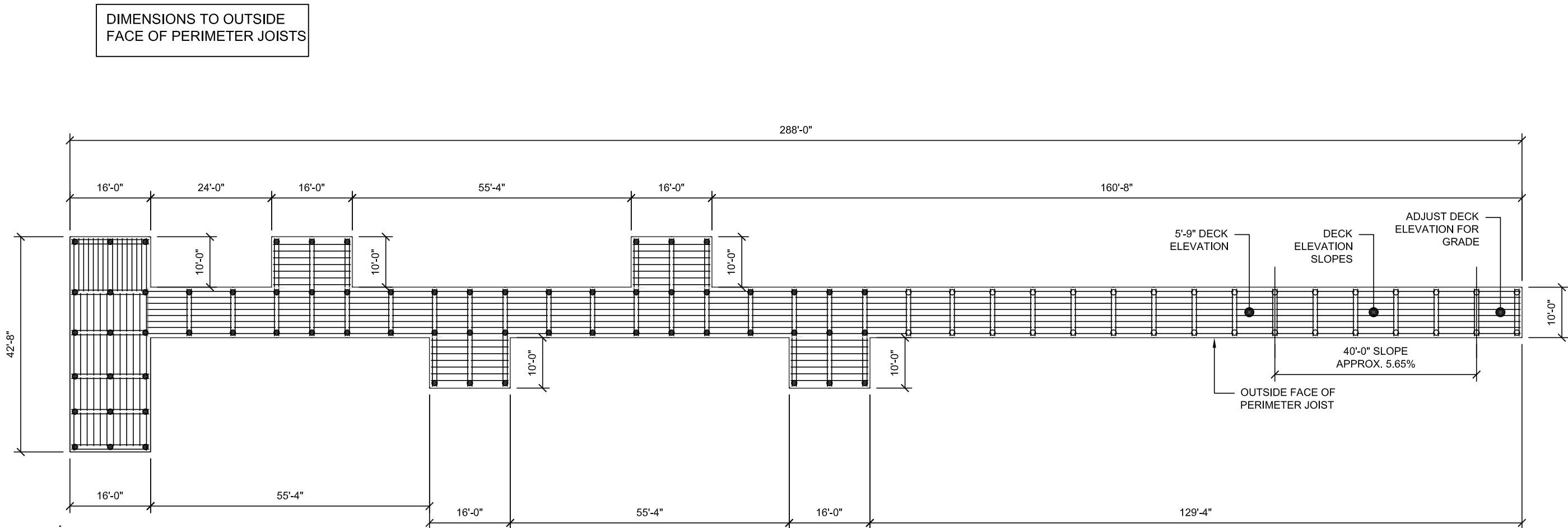
Watson Bayou Park
Pier Project

STRUCTURAL PLANS

SHEET
NO.

S.3

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OVERVIEW FRAMING PLAN
SCALE: 3/64" = 1'-0"

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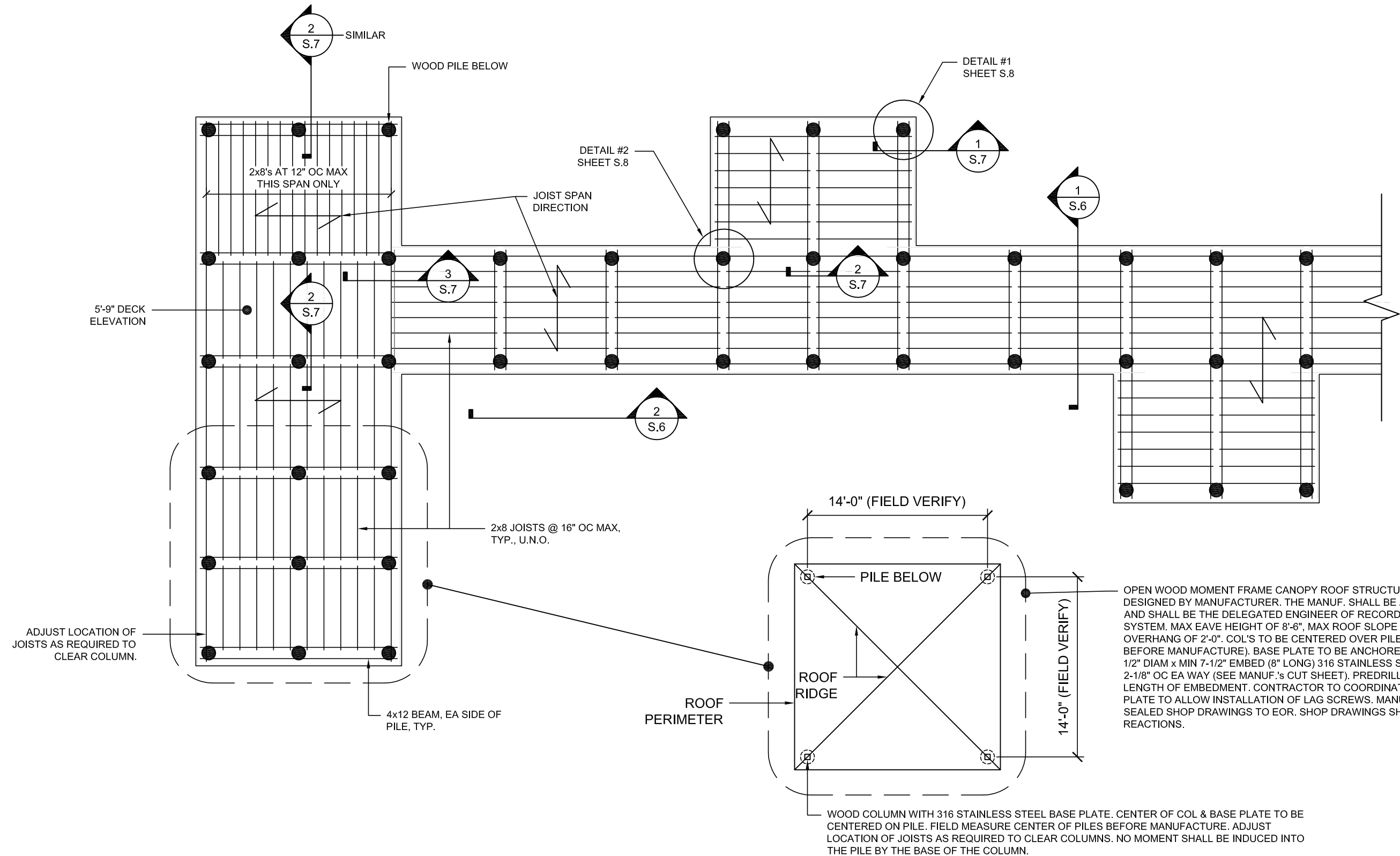
Millville CRA
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Pier Project

STRUCTURAL PLANS

SHEET
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TYPICAL FRAMING PLAN - ENLARGED
SCALE: 1/8" = 1'-0"

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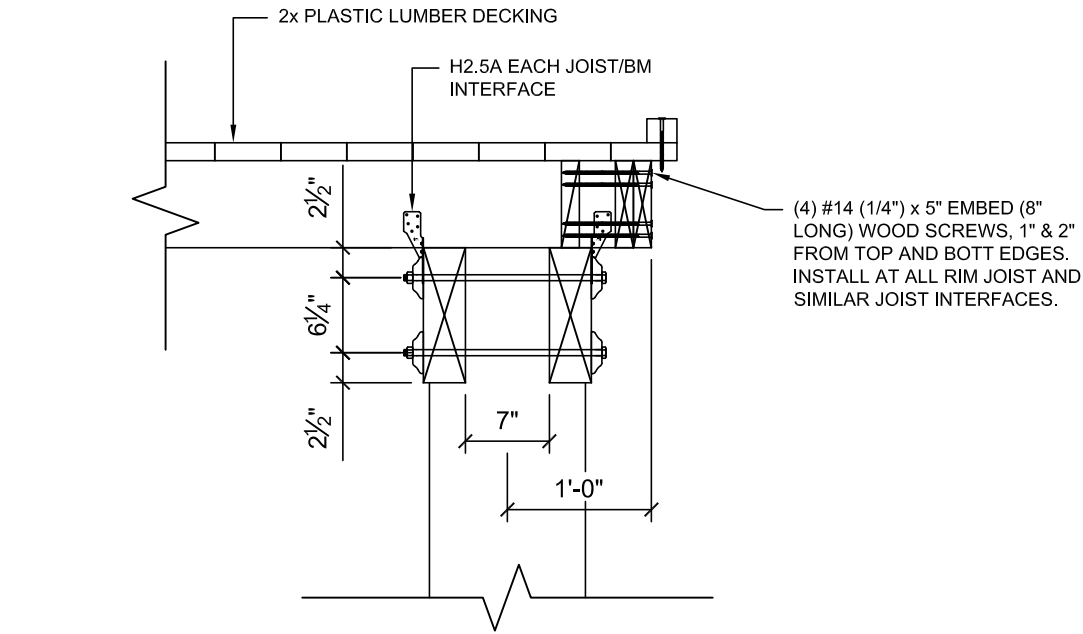
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STRUCTURAL PLANS

SHEET NO.
S.5

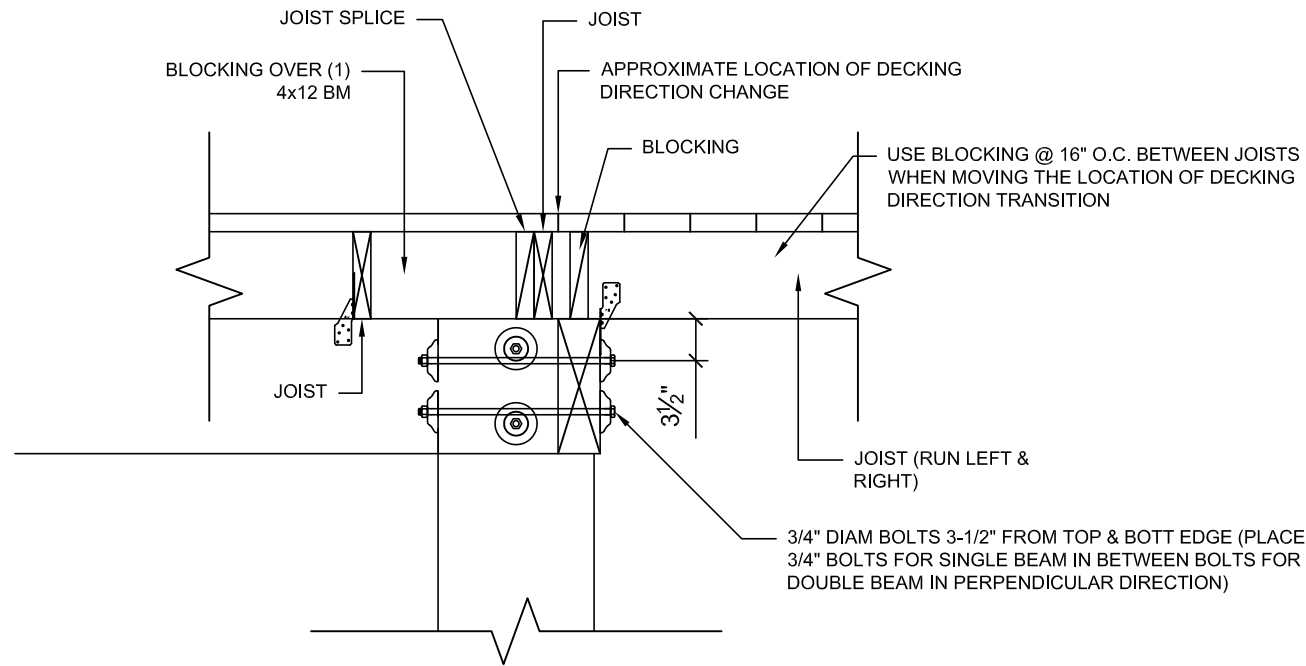
REVISIONS				 Bryant McKinnie, PE#66629 Gortemoller Engineering, Inc. 5 Miracle Strip Loop, Suite 16 Panama City Beach, FL 32407 (850) 249-2425 CA-00009505		Millville CRA	STRUCTURAL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			Watson Bayou Park Pier Project		S.6

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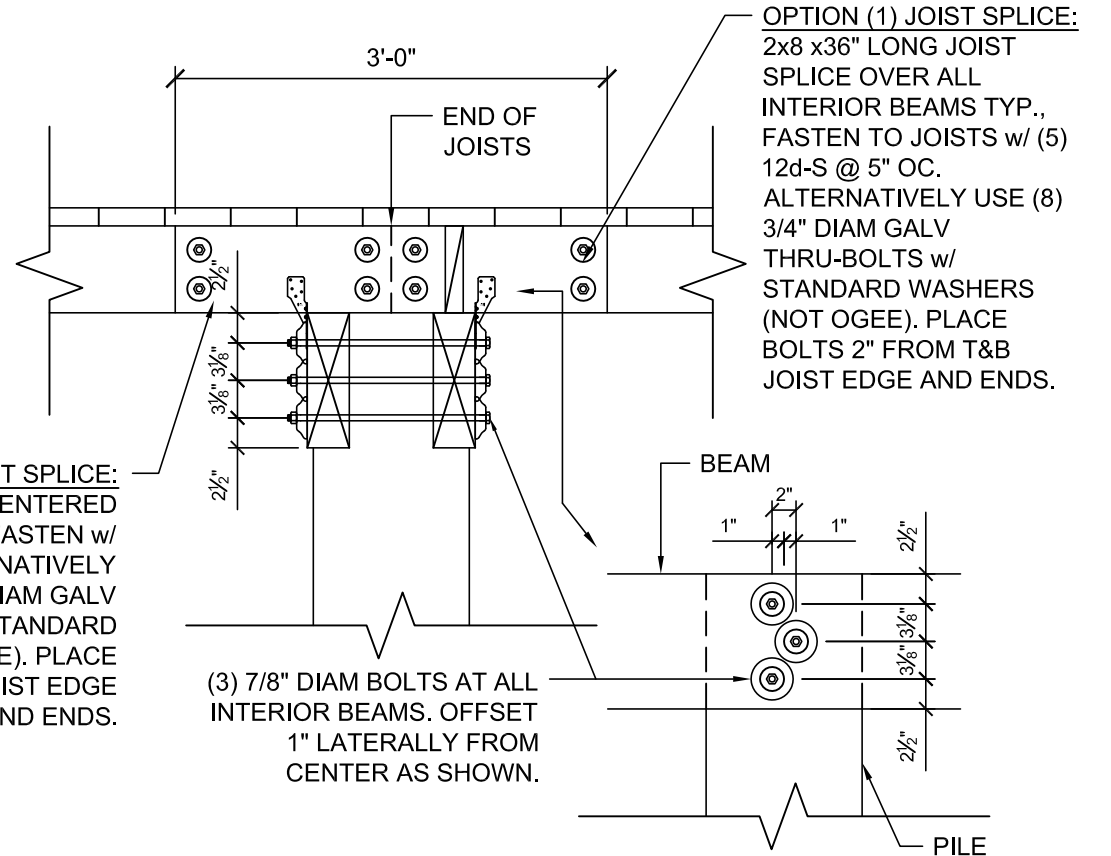
1 TYPICAL CORNER DETAIL
SCALE: 3/4" = 1'-0"

SEE PREVIOUS
SECTIONS/DETAILS FOR
NOTES AND INFORMATION
NOT SHOWN.



3 TYPICAL INTERIOR BM AT PERIMETER DETAIL
SCALE: 3/4" = 1'-0"

OPTION (2) JOIST SPLICE:
LAP 2x8 JOISTS 24", CENTERED
OVER BEAM/PILE LINE, FASTEN w/
(5) 12d-S @ 5" OC. ALTERNATIVELY
USE (4) 3/4" DIAM GALV
THRU-BOLTS w/ STANDARD
WASHERS (NOT OGEE). PLACE
BOLTS 2" FROM T&B JOIST EDGE
AND ENDS.



2 TYPICAL INTERIOR BM DETAIL
SCALE: 3/4" = 1'-0"

SECTION WHERE BEAMS FRAME INTO PILE
FROM OPPOSITE SIDES, (10) LOCATIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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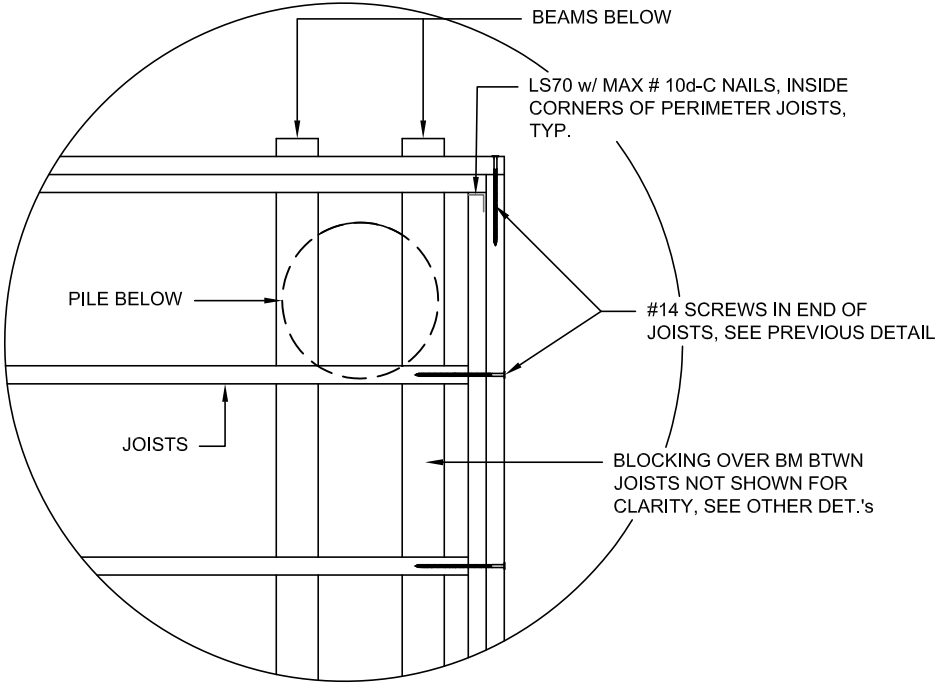


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Watson Bayou Park
Pier Project

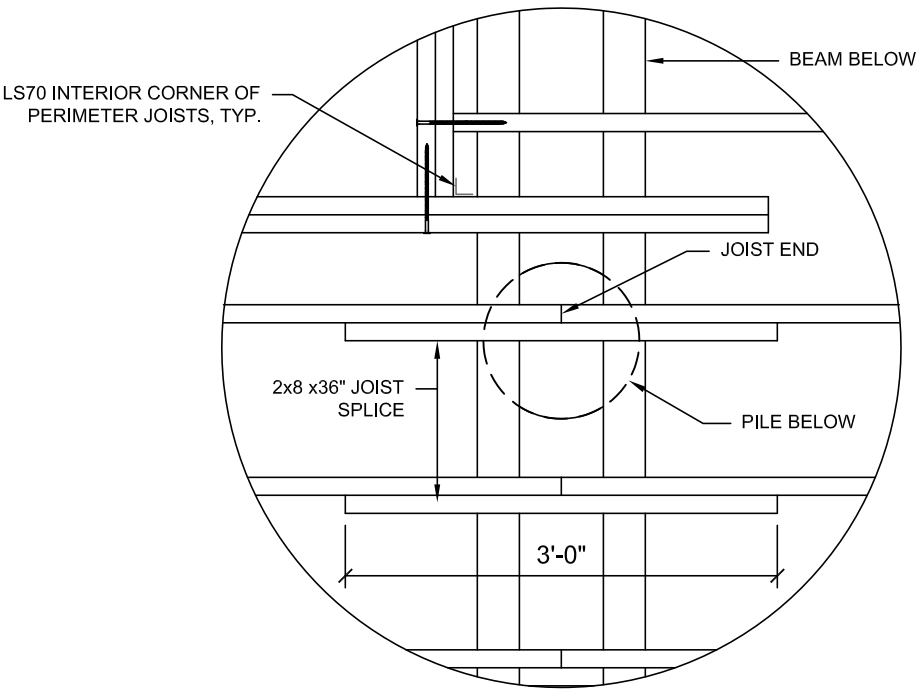
STRUCTURAL DETAILS
S.7

SHEET
NO.
S.7

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1 PLAN VIEW - TYPICAL CORNER
SCALE: 3/4" = 1'-0"



2 PLAN VIEW - TYPICAL INTERIOR CORNER
SCALE: 3/4" = 1'-0"

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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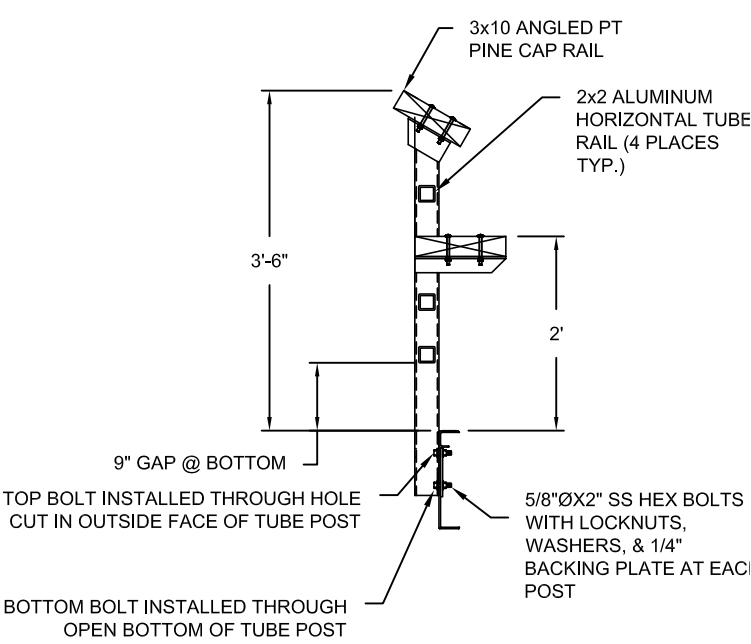


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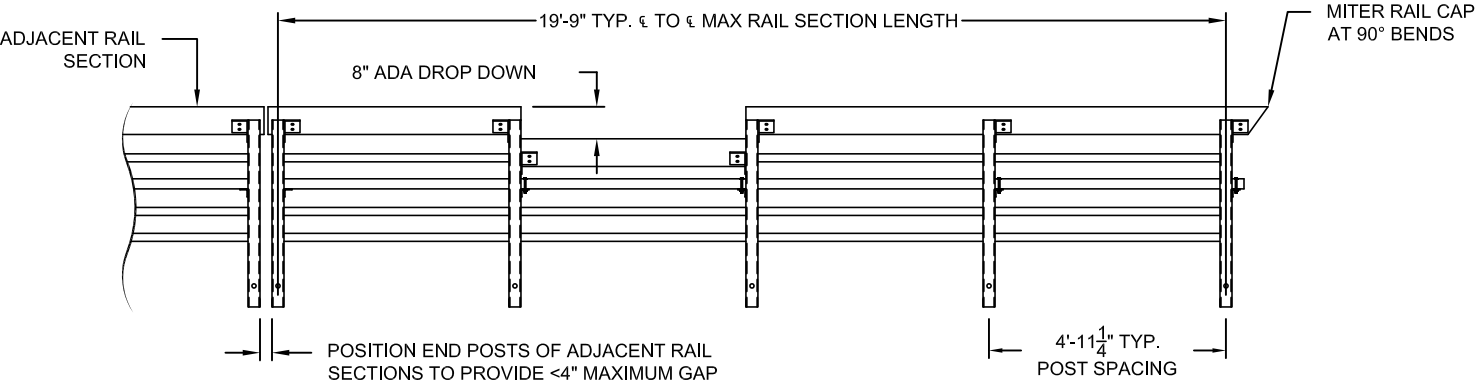
STRUCTURAL DETAILS

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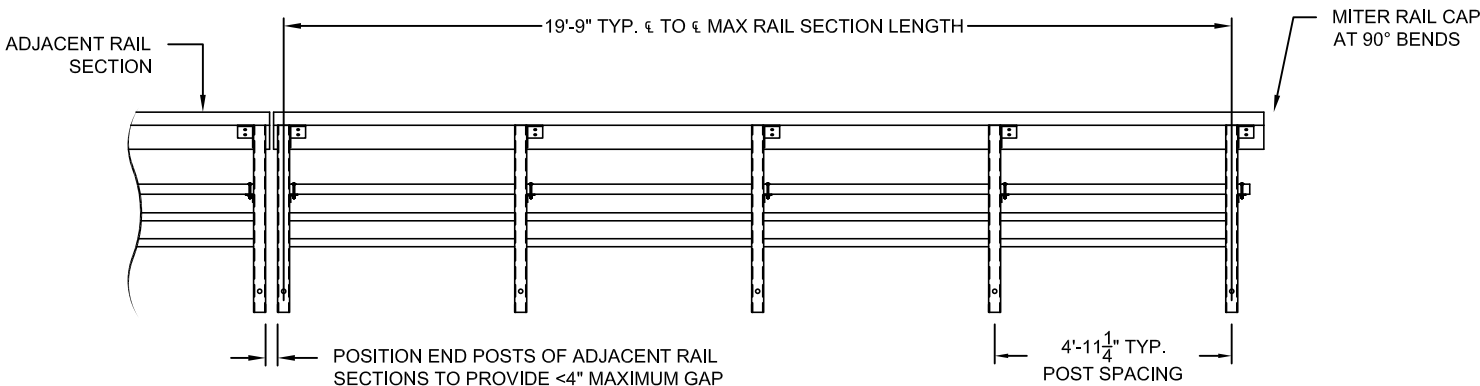
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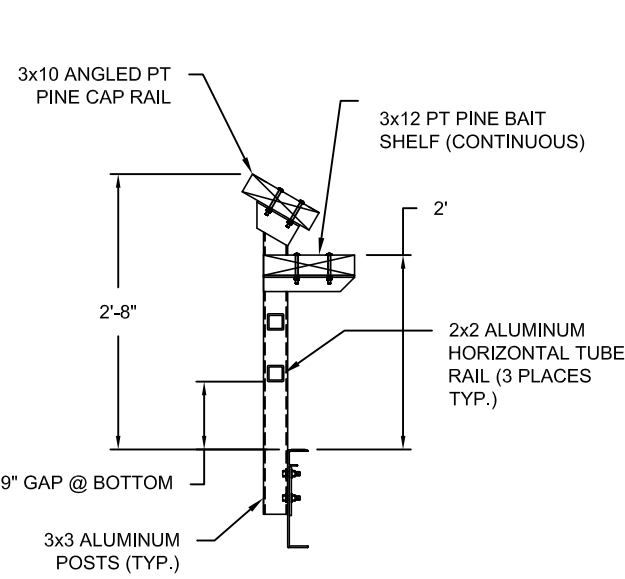
FISHING RAIL - SECTION
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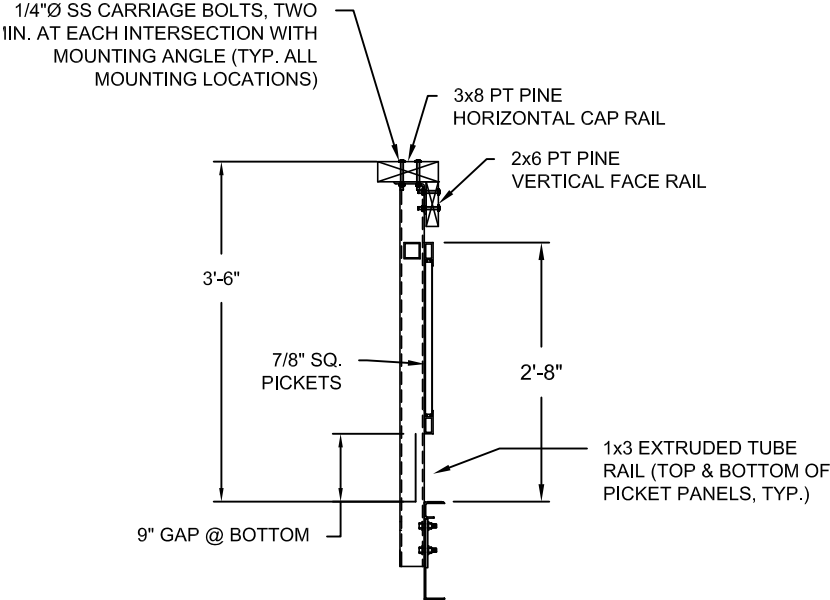
FISHING RAIL - ELEVATION
NTS



PEDESTRIAN RAIL - ELEVATION
NTS



ADA FISHING RAIL - SECTION
NTS



PEDESTRIAN RAIL - SECTION
NTS

PIER RAILING TO BE DESIGNED AND PROVIDED BY GATORDOCK MARINE ACCESS SOLUTIONS OR APPROVED EQUAL.

GATORDOCK CONTACT INFO:
PAUL SCHMITZ
REGIONAL MANAGER
770.933.8166 x 1115

THESE DRAWINGS ARE SCHEMATIC ONLY AND DO NOT CONSTITUTE A DESIGN. RAILING SHALL BE DESIGNED BY THE MANUFACTURER FOR WIND AND LIVE LOADS PER THE FLORIDA BUILDING CODE, LATEST EDITION, AND DESIGNED TO FAIL UNDER WAVE LOADING. MAXIMUM VERTICAL POST SPACING SHALL BE 5'-0". THE MANUFACTURER SHALL BE A FLORIDA LICENSED ENGINEER AND SHALL BE THE DELEGATED ENGINEER FOR THE DESIGN OF THIS SYSTEM. MANUFACTURER TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS TO THE ENGINEER OF RECORD.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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Millville CRA
Watson Bayou Park
Pier Project

RAILING DETAILS

SHEET NO.
S.9



Florida Department of Environmental Protection

Northwest District Office
2353 Jenks Avenue
Panama City, Florida 32405-4389

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Permittee/Authorized Entity:

City of Panama City
Downtown Community Redevelopment Agency
Mr. Rob Rosner, Agency Manager
803 Jenks Avenue
Panama City, Florida 32401
Bay County
rrosner@pcgov.org

Watson Bayou Public Fishing Pier

Authorized Agent:

Ecological Resource Consultants, Inc.
Mr. Bryan Phillips
100 Amar Place
Panama City Beach, Florida 32413
bphillips@ecoresource.com

Environmental Resource Permit State-owned Submerged Lands Authorization – Granted

U.S. Army Corps of Engineers Authorization – Separate Corps Authorization Required

Bay County
Permit No.: 03-0308570-001-EI

Permit Issuance Date: November 18, 2010
Permit Construction Phase Expiration Date: November 18, 2015

Consolidated Environmental Resource Permit and Sovereignty Submerged Lands Authorization

Permittee: City of Panama City
Permit No: 03-0308570-001-EI

PROJECT LOCATION

The activities authorized by this Permit and sovereignty submerged lands authorization are located at the intersection of 3rd Street East and Maple Avenue, Panama City, Florida 32405, Bay County Parcel Identification Number 22390-000-000, in Section 10, Township 4-South, Range 14-West in Bay County, at 30.153360° N, -85.637180° W.

AUTHORIZATIONS

Watson Bayou Public Fishing Pier

Project Description

The permittee is authorized to construct a public fishing pier. The pier consists of a 272' x 10' main access pier with a 46' x 16' T-shaped terminal platform. The pier also includes four 16' x 10' bump outs and a 16' x 16' canopy on the terminal platform. The area for the proposed pier is 4,096 square feet, of which 3,806 square feet (0.09 acres) are located over Sovereign Submerged Land. The pilings and the decking will be composed of wood. No slips are included in the project and boats will not be allowed to moor at the pier. The pier will be built progressively from uplands through the shoreline wetlands area to avoid impacts to the jurisdictional area. The materials will be stockpiled in uplands to prevent any damage to the littoral/shoreline area. Once the construction reaches -3 feet MLW a construction barge with maximum draft of 12" to 18" will be used to continue with piling installation and deck installation also using turbidity curtains to contain any turbidity. The -3 feet MLW depth occurs approximately 155 feet from the delineated jurisdictional line at the shoreline. A pathway from existing parking to the pier will also be constructed totaling approximately 1,150 square feet. The pier is located on Watson Bayou, Class III surface water. Authorized activities are depicted on the attached exhibits.

The project described above may be conducted only in accordance with the terms, conditions and attachments contained in this permit. The issuance of this permit does not infer, nor guarantee, nor imply that future permits or modifications will be granted by the Department.

Sovereignty Submerged Lands Authorization

The activity is located on submerged lands owned by the State of Florida. It therefore also requires authorization, from the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), pursuant to Article X, Section 11 of the Florida Constitution, and Sections 253.002 Florida Statutes (F.S.) and Chapter 258, F.S.

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined that the activity qualifies for a Letter of Consent, as long as the work performed is located within the boundaries as described herein and is consistent with the terms and conditions herein.

Federal Authorization

A copy of this permit has been sent to the U.S. Army Corps of Engineers (USACE). The USACE may require a separate permit. Failure to obtain any required federal permits prior to construction could subject you to enforcement action by that agency.

Coastal Zone Management

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

Water Quality Certification

This permit constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

The State of Florida herein notifies the U.S. Army Corps of Engineers and any other interested parties that this permit is issued under the "net improvement" provision of Section 373.414(1) (b) 3, F.S. Therefore, federal water quality certification is waived under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

Other Authorizations

You are advised that authorizations or permits for this project may be required by other federal, state or local entities including but not limited to local governments and homeowner's associations. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

In addition, you are advised that your project may require additional authorizations or permits from the municipality/county in which the project is located. Please be sure to contact the local county building and environmental department to obtain these required authorizations.

PERMIT SOVEREIGNTY SUBMERGED LANDS CONDITIONS

The activities described herein must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The General Conditions for Sovereignty Submerged Lands Authorization**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these conditions and drawings prior to commencing the authorized activities. Failure to comply with these conditions, including any mitigation requirements, shall constitute grounds for revocation of the Permit and appropriate enforcement action by the Department.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit/certification/authorization and sovereignty submerged lands authorization, as specifically described above.

SPECIFIC CONDITIONS

WETLAND FILL/PIER SPECIFIC CONDITIONS:

CONSTRUCTION ACTIVITIES

1. The structure/work authorized by this permit shall not be placed/conducted on any property, other than that owned by the permittee, without the prior written approval of that property owner.
2. There shall be no storage or stockpiling of tools, materials (i.e., lumber, pilings, debris) within wetlands, along the shoreline within the littoral zone or elsewhere within waters of the state unless specifically approved in the permit. All cleared vegetation, excess lumber, scrap wood, trash, garbage and any other type of debris shall be removed

from wetlands/waters of the state within 14 days of completion of the work authorized in this permit.

3. If the approved permit drawings conflict with the specific conditions, then the specific conditions shall prevail.
4. Prior to construction of the boardwalk, a floating turbidity apron/curtain shall be installed around the construction area and remain in place until all pilings have been installed and until turbidity levels within the work area have returned to background levels.
5. Any damage to the wetlands/shoreline/littoral zone as a result of the boardwalk construction shall be repaired by reestablishing the pre-construction elevations and replanting vegetation of the same species, size and density as that in the adjacent areas. The restoration shall be completed within 30 days of completion of the boardwalk and the Department shall be notified of its completion within that same 30-day period.
6. There shall be no fish cleaning stations, boat repair facilities and fueling facilities on any structure that is over the water.
7. No overboard discharges of trash, human or animal waste, or fuel shall occur at the dock.
8. Handrails shall be installed along both sides of the entire access pier as the structure is constructed. Handrails shall be constructed so that they eliminate access to the pier by boaters and shall be maintained for the life of the facility.
9. This permit does not authorize the entrenchment of any water, sewer, cable or utility lines within wetlands/waterbodies.
10. Dock pilings within the wetland area shall be installed progressively via jetting through the shoreline wetlands out to -3 Mean Low Water (approximately 155 ft.). A barge with a maximum draft of 18" will be used to continue installation to prevent scouring or dredging.
11. The construction phase expires at 11:59 p.m. on the date indicated on the cover page of this permit.

For emergencies involving a serious threat to the public health, safety, welfare, or environment, the emergency telephone contact number is **800-320-0519** (State Warning

Point). The Department telephone number for reporting nonthreatening problems or system malfunctions is (850) 595-0663, day or night.

The mailing address for submittal of forms for the "Construction Commencement Notice", "As-Built Certification ...", "Request for Conversion of Stormwater Management Permit Construction Phase to Operation and Maintenance Phase", or other correspondence is FDEP, SLERP, 2353 Jenks Avenue, Panama City, Florida, 32405.

GENERAL CONDITIONS

1. All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved in accordance with Rule 62-346.100, F.A.C.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity during the construction phase. The complete permit shall be available for review at the work site upon request by the Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit. A weather-resistant sign, measuring at least 8 1/2 inches by 11 inches, and including the permit number (in lettering that is easily visible from the access road) shall be placed on the property facing the road.
3. Activities approved by this permit shall be conducted in a manner that does not cause violations of state water quality standards.
4. Immediately prior to, during construction, and for the period of time after construction to allow for stabilization of all disturbed areas, the permittee shall implement and maintain erosion and sediment control best management practices, such as silt fences, erosion control blankets, mulch, sediment traps, polyacrylamide (PAM), temporary grass seed, permanent sod, and floating turbidity screens to retain sediment on-site and to prevent violations of state water quality standards. These devices shall be installed, used, and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work, and shall remain in place at all locations until construction is completed and soils are permanently stabilized. All best management practices shall be in accordance with the guidelines and specifications described in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Transportation and Florida Department of Environmental Protection, 2007), unless a project-specific erosion and sediment control plan is approved

as part of the permit. If project-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediments beyond those specified in the approved erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the guidelines and specifications in the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual*, Prepared for Florida Department of Transportation & Florida Department of Environmental Protection by HydroDynamics Incorporated in cooperation with Stormwater Management Academy, June 2007. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources as soon as practicable. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before conversion of the permit to the operation and maintenance phase, all silt screens and fences, temporary baffles, and other materials that are no longer required for erosion and sediment control shall be removed.

5. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

6. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a fully executed Form 62-346.900(3), "Construction Commencement Notice," incorporated by reference herein, indicating the expected start and completion dates. Information on how a copy of this form may be obtained is contained in Rule 62-346.900, F.A.C.

7. Within 30 days after completion of construction of the whole system, or independent portion of the system, the permittee shall notify the Department that construction has been completed and the system is ready for inspection by submitting one of the following forms to the Department office that issued the permit:

a. For systems other than those that serve an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex, Form 62-346.900(4), "As-Built Certification by a Registered Professional." If the registered professional has certified that the system has been built substantially in compliance with the plans and specifications in the permit, and that such system is ready for inspection, the permittee shall also submit Form 62-346.900(6), "Request for Conversion of Environmental Resource Individual Permit Construction Phase to Operation and Maintenance Phase." The system shall not be used and operated for its permitted purpose until the Department has approved the request to authorize the operation phase, in accordance with Rule 62-346.095, F.A.C. The "As-Built Certification" shall be for the purpose of determining if the work was completed in substantial compliance with permitted plans and specifications. The certification shall

include as-built drawings in the form of the permitted drawings that clearly show any substantial deviations made during construction. The plans must be clearly labeled as "as-built" or "record" drawings.

b. For systems that serve an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex, Form 62-346.900(5), "Construction Completion and Inspection Certification for a System Serving an Individual, Private Single-Family Dwelling Unit."

8. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of the facility, or the site infrastructure located within the area served by that portion or phase of the system.

9. The permittee shall remain liable for compliance with the operation and maintenance of the system in accordance with the terms and conditions of the permit for the life of the system, unless such permit is transferred to an acceptable responsible entity in accordance with Rules 62-346.095 and 62-346.130, F.A.C. Once transfer of the permit has been approved by the Department, the transferee shall be liable for compliance with all the terms and conditions of the operation and maintenance phase of the permit for the life of the system.

10. Should any other regulatory agency require changes to the permitted system, the permittee shall notify the Department in writing of the changes prior to implementation so that the Department can determine whether a permit modification is appropriate.

11. This permit does not convey to the permittee or create in the permittee any property right or any interest in real property, nor does it authorize any entrance upon or activities on property that is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in this permit or Chapter 62-346, F.A.C. Permittees having the right to exercise the power of eminent domain or who had a contract to purchase the property subject to this permit shall not commence any work under this permit until the permittee has provided the Department with proof of transfer of ownership of the property in the name of the permittee. If such transfer of ownership does not occur, the permittee shall surrender this permit, and the permit shall be null and void.

12. Pursuant to Section 373.422, F.S., prior to conducting any activities on sovereign submerged lands, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

13. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the permit.

14. The permittee shall notify the Department in writing at least 30 days prior to any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. Where ownership of the land subject to the permit was demonstrated through a long-term lease, the lessee must have transferred ownership and control of the permitted system to the current landowner or new lessee, effective prior to or on the date of expiration of the lease. All transfers of ownership or transfers of a permit are subject to the requirements of Rules 62-346.095 and 62-346.130, F.A.C.

15. Upon reasonable notice to the permittee, Department staff with proper identification shall have permission to enter, inspect, sample and test the system to ensure conformity with the plans and specifications authorized in the permit.

16. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department.

17. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

18. The issuance of this permit does not relieve the permittee from the responsibility to obtain any other required federal, state, and local authorizations.

19. The permittee is advised that, pursuant to Section 556.105, F.S., excavating contractors are required to provide certain information concerning the excavation that may affect underground facilities through the one-call notification system not less than two, nor more than five, business days before beginning any excavation.

GENERAL CONDITIONS FOR SOVEREIGNTY SUBMERGED LANDS AUTHORIZATION

Any use of sovereignty submerged lands is subject to the following general conditions are binding upon the applicant and are enforceable under Chapter 253, F.S. and, as applicable, Chapter 258, F.S.:

1. Sovereignty submerged lands may be used only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for

undertaking that activity or use will constitute a violation. Violation of the authorization will result in suspension or revocation of the applicant's use of the sovereignty submerged lands unless cured to the satisfaction of the Board of Trustees.

2. Authorization under Rule 18-21.005, Florida Administrative Code (F.A.C.), conveys no title to sovereignty submerged lands or water column, nor does it constitute recognition or acknowledgment of any other person's title to such land or water.
3. Authorizations under Rule 18-21.005, F.A.C., may be modified, suspended or revoked in accordance with its terms or the remedies provided in Sections 253.04, F.S. and Chapter 18-14, F.A.C.
4. Structures or activities will be constructed and used to avoid or minimize adverse impacts to resources.
5. Construction, use, or operation of the structure or activity will not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.
6. Structures or activities will not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity will be modified in accordance with the court's decision.
7. Structures or activities will not create a navigational hazard.
8. Structures will be maintained in a functional condition and will be repaired or removed if they become dilapidated to such an extent that they are no longer functional.
9. Structures or activities will be constructed, operated, and maintained solely for water dependent purposes.
10. The applicant agrees to indemnify, defend and hold harmless the Board of Trustees and the State of Florida from all claims, actions, lawsuits and demands in any form arising out of the authorization to use sovereignty submerged lands or the applicant's use and construction of structures on sovereignty submerged lands. This duty to indemnify and hold harmless will include any and all liabilities that are associated with the structure or activity including special assessments or taxes that are now or in the future assessed against the structure or activity during the period of the authorization.
11. Failure by the Board of Trustees to enforce any violation of a provision of the authorization or waiver by the Board of Trustees of any provision of the authorization will

not invalidate the provision not enforced or waived, nor will the failure to enforce or a waiver prevent the Board of Trustees from enforcing the unenforced or waived provision in the event of a violation of that provision.

12. Applicant binds itself and its successors and assigns to abide by the provisions and conditions set forth in the authorization. If the applicant or its successors or assigns fails or refuses to comply with the provisions and conditions of the authorization, the authorization may be terminated by the Board of Trustees after written notice to the applicant or its successors or assigns. Upon receipt of such notice, the applicant or its successors or assigns will have thirty (30) days in which to correct the violations. Failure to correct the violations within this period will result in the automatic revocation of this authorization.

13. All costs incurred by the Board of Trustees in enforcing the terms and conditions of the authorization will be paid by the applicant. Any notice required by law will be made by certified mail at the address shown on page one of the authorization. The applicant will notify the Board of Trustees in writing of any change of address at least ten days before the change becomes effective.

14. This authorization does not allow any activity prohibited in a conservation easement or restrictive covenant that prohibits the activity.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S.

Pursuant to Rule 28-106.201, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with subsection 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has asked the Department for notice of agency action may file a petition within 14 days of receipt of such notice, regardless of the date of publication. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under subsection 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1) (a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Judicial Review

Any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

If you have any questions about this document, please contact Brad Richardson at 850/767-0041 or brad.richardson@dep.state.fl.us.

Executed in Bay County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Clifford D. Wilson III, P.E.
Panama City Branch Administrator

Attachments:

Exhibit 1, Project Drawings and Design Specs., 5

Referenced Forms:

Commencement notice /62-346.900(3)

http://www.dep.state.fl.us/water/wetlands/forms/62-346/form_62-346_900-3.doc

As-built certification/62-346.900(4)

http://www.dep.state.fl.us/water/wetlands/forms/62-346/form_62-346_900-4.doc

Transfer construction to operation phase/ 62-346.900(6)

http://www.dep.state.fl.us/water/wetlands/forms/62-346/form_62-346_900-6.doc

Application for transfer of an ERP permit/62-346.900(7)

http://www.dep.state.fl.us/water/wetlands/forms/62-346/form_62-346_900-7.doc

Copies furnished to:

Ms. Sue Maxwell, USACE, susanna.r.maxwell@usace.army.mil

Mr. Martin Gawronski, ERC, marting@ecoresource.com

Mr. Brad Harris, Gortemoller Engineering, brad@gorteng.com

File

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit and authorization to use sovereignty submerged lands, including all copies, were mailed and/or emailed before the close of business on November 18, 2011, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52(7) of the
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

Clerk

November 18, 2011
Date

Prepared By: Brad Richardson
5 pages attached

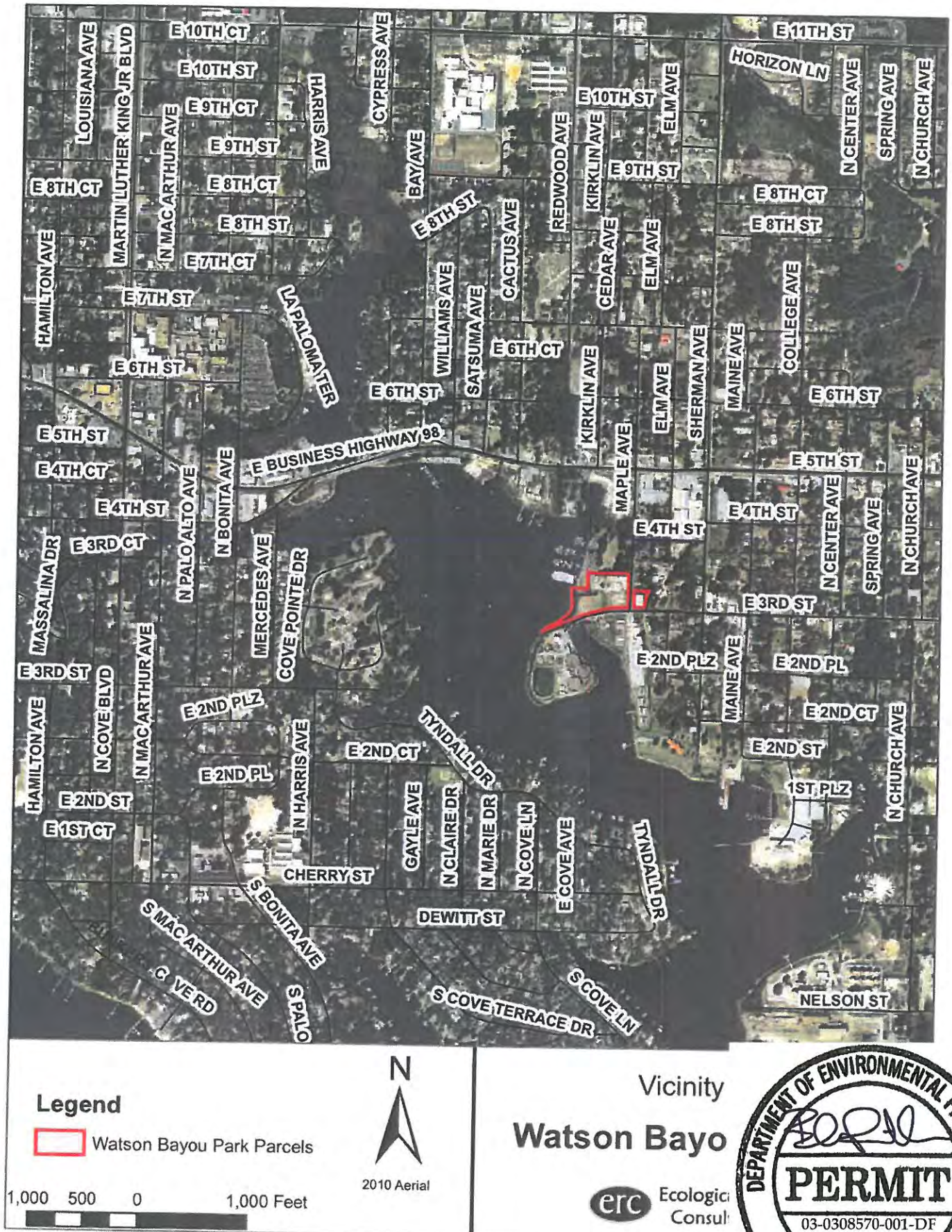
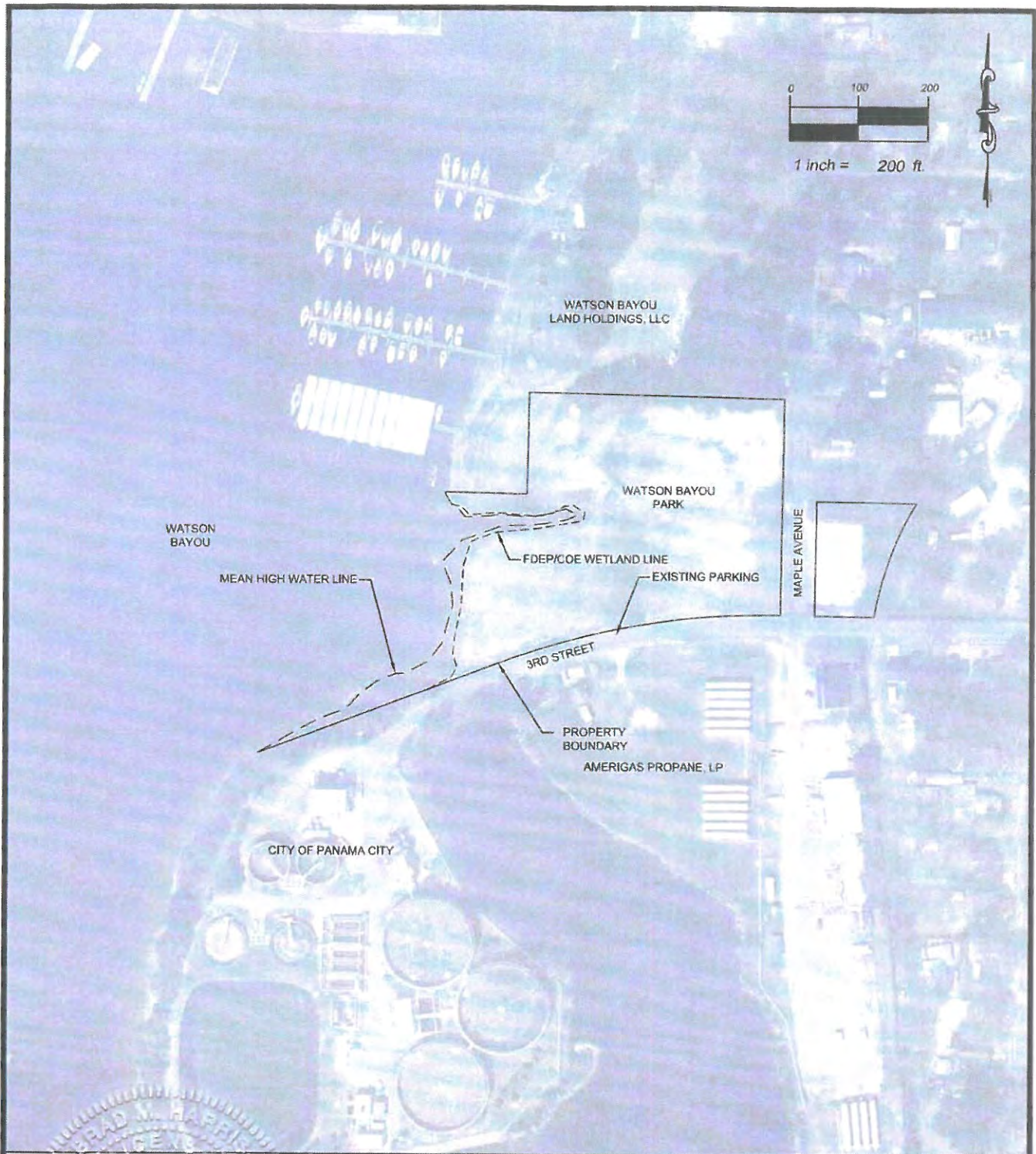


EXHIBIT I



E.O.R.: Bred M. Harrie
P.E. No. 68420 (Florida)
Date: 10-20-11

NOT VALID FOR CONSTRUCTION



Gortemoller Engineering, Inc.
5 Miracle Strip Loop, Suite 16
Panama City Beach, FL 32407
(850) 249-2425
CA-00009505

Watson Bayou Park Pier
Millville CRA

Dredg



EXHIBIT I

NOTES:
1) SURVEY DATA PROVIDED BY CITY OF PANAMA CITY C.R.A.

LEGEND:
 FDE/COE WETLAND LINE
 MEAN HIGH WATER LINE
 EXISTING GRADE LINES

PROPERTY BOUNDARY

3RD STREET

MEAN HIGH WATER LINE
ELEVATION = 0.75

WATSON BAYOU

FDE/COE WETLAND LINE
±629 LF

WATSON BAYOU PARK

EXISTING PARKING

1 inch = 60

E.O.R.: Brad M. Harris
P.E. No. 68420 (Florida)
Date: 10-26-11

NOT VALID FOR CONSTRUCTION

Sheet 2 of 4

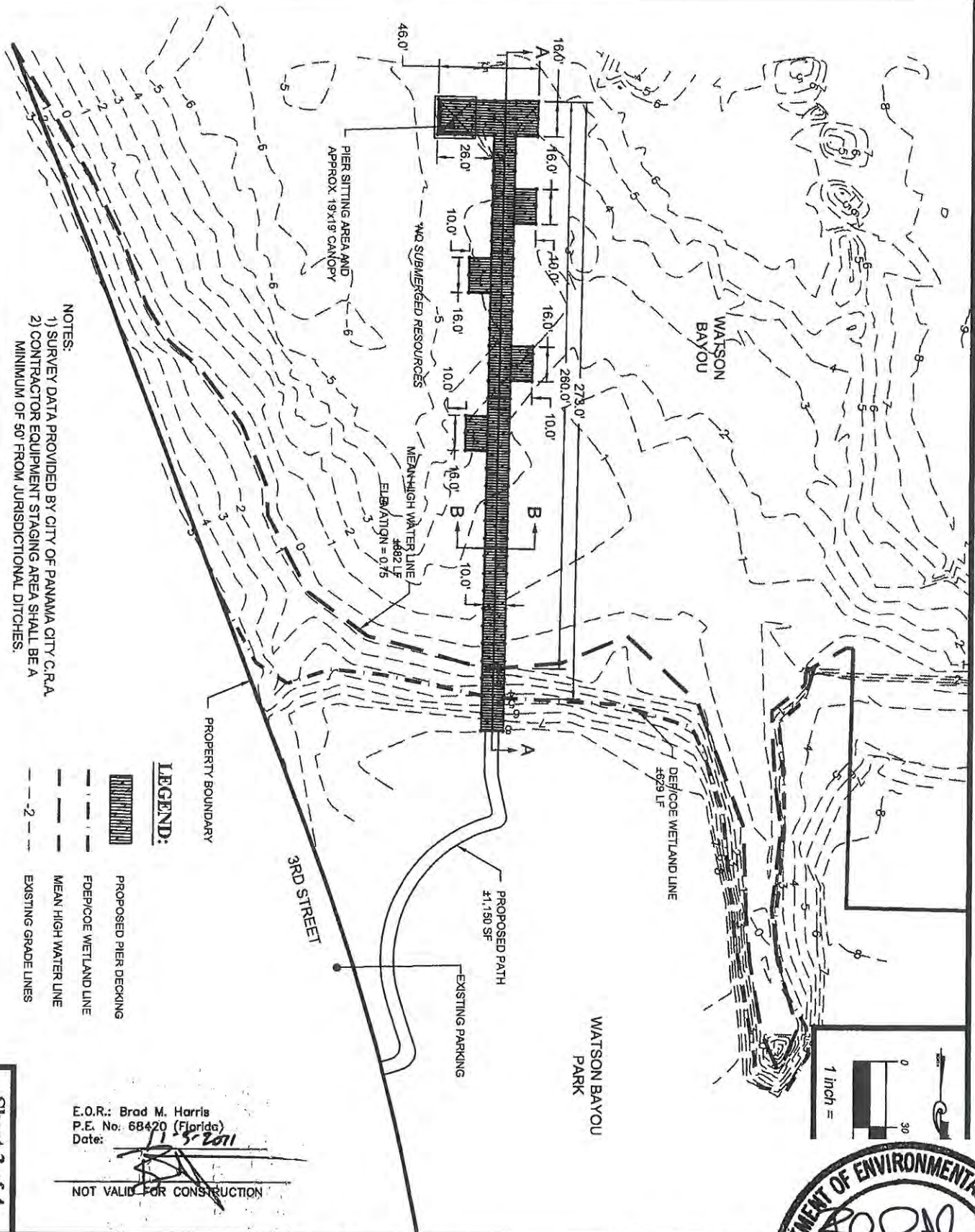


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5 Miracle Strip Loop, Suite 16
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(850) 249-2425
CA-00009505

Watson Bayou Park Pier
Millville CRA

Exi
Dredg





Sheet 3 of 4

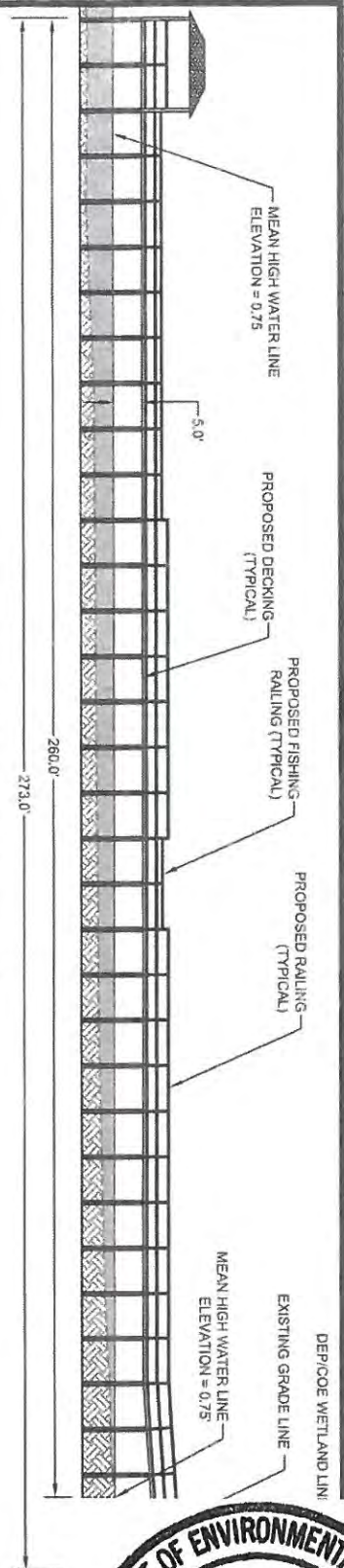


Gortemoller Engineering, Inc.
5 Miracle Strip Loop, Suite 16
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CA-00009505

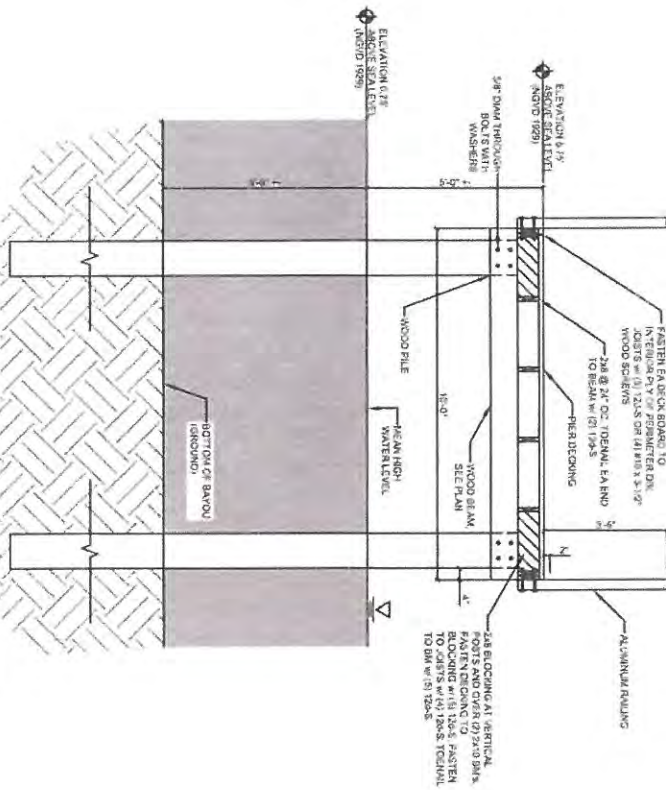
Watson Bayou Park Pier
Millville CRA

Prop
Dredge





PROPOSED PIER: SECTION A-A
 PROFILE SCALE: HORIZONTAL: 1" = 30'
 VERTICAL: 1" = 30'



- NOTES:
1. ALL CONNECTORS AND FASTENERS (OTHER THAN BOLTS) SHALL BE STAINLESS STEEL.
 2. ALL BOLTS SHALL BE HOT-DIP GALVANIZED.
 3. ALL LUMBER SHALL BE PRESERVATIVE TREATED WITH 2.5 PCF CCA.

PROPOSED PIER: SECTION B-B

PROFILE SCALE: HORIZONTAL: 1" = 5'
 VERTICAL: 1" = 5'

E.O.R.: Brad M. Harris
 P.E. No. 68420 (Florida)
 Date: 10-26-11

NOT VALID FOR CONSTRUCTION

Sheet 4 of 4



Gortemoller Engineering, Inc.
 5 Miracle Strip Loop, Suite 16
 Panama City Beach, FL 32407
 (850) 249-2425
 CA-00009505

Watson Bayou Park Pier
 Millville CRA

Dredg

