

INVITATION TO BID
PITT AND WILLIFORD SPRINGS BOARDWALK REPLACEMENT
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
(BID NUMBER 24B-005)

The Northwest Florida Water Management District (District), 81 Water Management Drive, Havana, Florida 32333-4712, is soliciting bids for the Pitt and Williford Springs Boardwalk Replacement projects for the removal and disposal of existing damaged boardwalk segments and the reconstruction of these segments (the “Work”) according to the specifications of the attached construction plans and Attachment A - Scope of Work. The Contractor(s) shall furnish all materials, labor and equipment, tools, incidentals, transportation, and all services necessary for the completion of this Work. The Work at Pitt Spring will be completed according to the construction plans titled “Econfina Springs Construction Documents,” dated September 2009, as prepared by Genesis Group (Project Number 7137-004) and Attachment A - Scope of Work. The Work at Williford Spring will be completed according to the construction plans titled “Williford Spring Construction Documents,” dated April 2014, as prepared by Genesis Group (Project Number 7137-008) and Attachment A - Scope of Work.

The deadline for submission of bids and the opening of the sealed bids is 2:00 P.M. Eastern Time (ET) July 29, 2024. The bid opening is open to the public. Provisions will be made to accommodate those with a disability provided the District is given at least 72 hours advance notice. All bids must conform to the instructions in the Invitation to Bid (ITB) and comply with applicable Florida Statutes. The respondent must submit its Bid through DemandStar (see Section 1.13 for more information). Interested parties may obtain a copy of the complete ITB package from the District’s website (<http://www.nwfwater.com>) or a copy of the complete ITB package may be obtained from the State of Florida’s Vendor Information Portal website at: [MyFloridaMarketPlace Vendor Information Portal](#). A copy of the complete ITB package can also be obtained at the above address or by calling (850) 539-5999.

There will be a **mandatory pre-bid conference** at Pitt and Williford Springs Recreation Areas on Wednesday, July 10, 2024, at 10:00 A.M Central Time (CT). The meeting will begin at Pitt Spring Recreation Area and then attendees will travel to Williford Spring Recreation Area following the meeting at Pitt Spring. Pitt Spring is located at 6315 Highway 20, Youngstown, Florida 32466, approximately 6.5 miles west of U.S Highway 231. Williford Spring is located at 5647 Porter Pond Road, Youngstown, Florida 32466, approximately one mile north of Highway 20. **Prospective respondents to the ITB must attend the mandatory pre-bid conference to be considered.** The purpose of the conference is to answer any technical or administrative questions regarding this Invitation to Bid and the Work to be performed.

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PART 1. GENERAL INFORMATION

1.1 DEFINITIONS

For the purpose of this bid, “respondent” or “bidder” means contractor, vendors, consultants, organizations, firms, or other persons submitting a response to this Invitation to Bid.

1.2 PURPOSE

The Northwest Florida Water Management District, 81 Water Management Drive, Havana, Florida 32333, (hereinafter referred to as the “District”) is issuing this Invitation to Bid (ITB) for the project titled **“Pitt and Williford Springs Boardwalk Replacement.”**

1.3 ISSUING OFFICE, DATE AND LOCATION OF OPENING

Northwest Florida Water Management District (Headquarters)
Attn: Agency Clerk
81 Water Management Drive
Havana, Florida 32333-4712

THE DISTRICT MUST RECEIVE ALL BIDS BY 2:00 P.M. EASTERN TIME (ET), JULY 29, 2024, THE DAY OF THE PUBLIC OPENING.

1.4 INVITATION TO BID

The District solicits offers for the services of responsible bidders to perform “Pitt and Williford Springs Boardwalk Replacement” for the removal and disposal of existing damaged boardwalk segments and the reconstruction of these segments according to the specifications of the attached construction plans and Attachment A - Scope of Work.

1.5 AWARDING OF BID

The District anticipates entering into a contract with the bidder(s) who submit a qualified responsive bid judged by the District to be the lowest total lump sum cost for the specified services. The District reserves the right to award the bid(s) to the next lowest responsive bidder(s) in the event the successful bidder fails to enter into the Agreement, or the Agreement with said bidder is terminated within 90 days of the effective date.

The respondent understands this bid does not constitute an agreement or a contract with the District. An official contract or agreement is not binding until the bids are reviewed and accepted by appointed staff, approved by the appropriate level of authority within the District, and the contract or agreement is executed by both parties.

The District reserves the right to reject any and all bids, to negotiate with the qualified respondent(s) submitting the lowest bid(s), to waive any irregularities of a minor nature, and to solicit and re-advertise for other bids. Mistakes clearly evident on the face of the bid documents, such as computation errors, may be corrected by the District. Per s. 255.0991, F.S., the District has no regulation that provides contractor preference as described in that statute.

All bids may be subject to the approval of the Northwest Florida Water Management District Governing Board at a duly noticed Board meeting.

Notice of a bid award shall be posted to the District's website and the State of Florida's Vendor Information Portal website.

1.6 DEVELOPMENT COSTS

The District shall not be responsible or liable for any expenses incurred in connection with the preparation of a response to this bid. Respondents should prepare the bid simply and economically, to provide a straightforward and concise description of the respondent's ability to meet the requirements of the bid.

1.7 CONFLICT OF INTEREST

The award hereunder is subject to Ch. 112, F.S. All bidders shall disclose with their bids the name of any officer, director, board member or agent who is also an employee of the State of Florida, or any of its agencies. Further, all bidders shall disclose the name of any state employee or any board member or employee of the District who owns directly or indirectly an interest of five percent (5%) or more in the bidder's firm, subsidiaries, or branches.

1.8 DISTRICT FORMS AND RULES

When included, all forms supplied by the Northwest Florida Water Management District shall be submitted with the bids. All bids must comply with applicable Florida Statutes, laws, and rules.

1.9 MANDATORY PRE-BID CONFERENCE AND/OR ORAL PRESENTATIONS

There will be a **mandatory pre-bid conference** at Pitt and Williford Springs Recreation Areas on Wednesday, July 10, 2024, at 10:00 A.M Central Time (CT). The meeting will begin at Pitt Spring Recreation Area and then attendees will travel to Williford Spring Recreation Area following the meeting at Pitt Spring. Pitt Spring is located at 6315 Highway 20, Youngstown, Florida 32466, approximately 6.5 miles west of U.S Highway 231. Williford Spring is located at 5647 Porter Pond Road, Youngstown, Florida 32466, approximately 1 mile north of Highway 20. **Prospective respondents to the ITB must attend the mandatory pre-bid conference to be considered.** The purpose of the conference is to answer any technical or administrative questions regarding this Invitation to Bid and the work to be performed.

There will not be oral presentations for this solicitation.

1.10 INQUIRIES AND ADDENDA

All questions regarding this ITB shall be provided in writing and emailed to the Procurement Officer, Lyn Shiver at Lyn.Shiver@nwfwater.com, no later than 12:00 P.M. (Noon) Eastern Time (ET) on July 12, 2024. Inquiries shall reference the date of the ITB opening and ITB title and number.

If addenda become necessary, the District will provide written addenda and post addenda on the District's website and on the State of Florida's Vendor Information Portal website at least ten (10) calendar days before the bid opening date. Prospective bidders are responsible for determining whether addenda have been issued and are advised to check the websites or with the District's Procurement Officer prior to submitting their bid.

Submission of a bid constitutes acknowledgment of receipt of all addenda. Bids will be construed as though all addenda have been received. Failure of the respondent to obtain any addenda does not relieve respondent from any and all obligations under the bid, as submitted. All addenda become part of the Contract Documents.

1.11 TIMETABLE

The District and respondents shall adhere to the following schedule in all actions concerning this bid.

- On June 27, 2024, the District issues the Invitation to Bid.
- On Wednesday July 10, 2024, at 10:00 A.M Central Time (CT), a mandatory pre-bid meeting will be held at Pitt Springs Recreation Area, 6315 Highway 20, Youngstown, Florida 32466.
- From the time of issuance on June 27, 2024 until 12:00 P.M. (Noon) Eastern Time (ET) on July 12, 2024, the District will receive written inquiries by email on the ITB.
- If substantive written inquiries are received, District will issue an Addendum at least ten (10) calendar days prior to bid opening.
- Bid Opening Deadline: The sealed bids will be opened at 2:00 P.M. Eastern Time (ET), July 29, 2024*. Bids received after the bid opening deadline will not be considered.
- From opening time, the District will review and evaluate the bids on a timely basis.
- The District may enter into a contract with the qualified Contractor(s) submitting the lowest responsive bid after conducting negotiations and obtaining appropriate approvals.

*Denotes a public meeting.

1.12 DELAYS

The District may delay scheduled due dates if it is to the advantage of the District to do so. The District will notify respondents of all changes in scheduled due dates by posting the information to the District's website and State of Florida's Vendor Information Portal website.

1.13 SUBMISSION AND WITHDRAWAL

Respondents must submit electronically through DemandStar. **All bid submissions will be accepted through DemandStar only.**

- 1) Submittals are accepted through the District's online bid system, DemandStar. Respondents must be registered with DemandStar in order to submit their responses on the DemandStar website. To register, please visit the DemandStar website at: www.demandstar.com/app/registration.
- 2) For instructions on how to complete a free registration with DemandStar, please consult the [District's DemandStar overview](#).
- 3) Instructions for submitting an online bid are available on the District's website at: <https://nfwfwater.com/business-finance/district-procurement/>.

Bids not submitted through DemandStar do not constitute “delivery” and are not considered “received by” the District as required by this ITB. Submittal of bids other than through DemandStar shall not be accepted.

It is the respondent's responsibility to ensure his/her bid submission is delivered at the proper time. **Bids that are, for any reason, received after the established deadline will not be considered.**

A respondent may withdraw a bid by notifying the District electronically at any time prior to the opening. Bids, once opened, become the property of the District and will not be returned to the respondents.

All bids must be made on the required **Forms** (see Part 5). All blank spaces for bid prices must be filled in, in ink or typewritten, and the form must be fully completed and executed when submitted.

Respondents must satisfy themselves of the accuracy of their responses on the **Forms** by examination of the criteria and specifications including addenda. After bids have been submitted, respondents shall not assert that there was a misunderstanding concerning the number or type of parameters nor the accuracy required of each parameter.

Bids received by the District in response to this ITB will become a public record (unless an exemption to Florida’s Public Records Law applies) when the District provides notice of its intended decision or 30 days after opening the bids, whichever is earlier. If the District rejects all bids and concurrently provides notice of its intent to reissue the ITB, the rejected bids remain exempt from Florida’s Public Records Law until such time as the District provides notice of an intended decision concerning the reissued ITB or until it withdraws the reissued ITB. A bid is not exempt for longer than 12 months after the initial notice rejecting all bids.

Bids will be made available for inspection at the time the District posts notice of its decision or intended decision concerning contract awards or 30 days after the bid opening, whichever is earlier.

1.14 EQUAL OPPORTUNITY

The District recognizes fair and open competition as a basic tenet of public procurement. Respondents doing business with the District are prohibited from discriminating on the basis of race, color, creed, national origin, handicap, age, sex, or disability. It is the policy of the District to ensure that qualified respondents wishing to participate in the procurement process have the maximum opportunity to compete and perform on District contracts and purchases.

The District encourages participation by minority-, veteran-, and women-owned Certified Business Enterprises and requests that respondents submit evidence of such designation with their bids. For further information on designation as a certified business enterprise, visit:

www.dms.myflorida.com/agency_administration/office_of_supplier_diversity_osd/get_certified.

1.15 AMERICANS WITH DISABILITIES ACT

The District does not discriminate upon the basis of any individual’s disability status. This nondiscrimination policy involves every aspect of the District’s functions including one’s access to, participation, employment, or treatment in its programs or activities. Anyone requiring reasonable accommodation as provided for in the Americans with Disabilities Act should contact Jack Furney, Division of Administrative Services, at (850) 539-5999.

1.16 SOCIAL, POLITICAL AND IDEOLOGICAL INTERESTS

In accordance with s. 287.05701, F.S., the District shall not request documentation of or consider a respondent's social, political, or ideological interests in determining if the respondent is a responsible vendor. The District shall not give preference to a respondent based on the respondent's social, political, or ideological interests.

1.17 PUBLIC CRIMES/DISCRIMINATORY/ANTITRUST VIOLATOR VENDORS

In accordance with sections 287.133, 287.134, and 287.137, F.S., a person or affiliate who has been placed on the convicted, discriminatory, or antitrust violator vendor lists may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017, F.S., for CATEGORY TWO (\$35,000), unless specified otherwise in these statutes. Questions regarding the lists may be directed to the Florida Department of Management Services, State Purchasing Division, at (850) 488-8440 or send email to purchasingcustomerservice@dms.fl.gov.

1.18 SCRUTINIZED COMPANIES, BOYCOTTING

Pursuant to s. 287.135, F.S., a company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the District for goods or services of:

1. Any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725, F.S., or is engaged in a boycott of Israel; or
2. One million dollars or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:
 - a. Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to s. 215.473, F.S.; or
 - b. Is engaged in business operations in Cuba or Syria.

By submitting a response, the respondent certifies that it is not currently on the aforementioned lists or engaged in such business operations and agrees to notify the District if placement on one of these lists occurs or the respondent engages in such business operations. If the respondent submits a false certification, the District may terminate the Agreement and bring a civil action against the respondent, as provided for in s. 287.135, F.S.

1.19 INSPECTOR GENERAL COOPERATION

Respondent understands and shall comply with s. 20.055(5), F.S., which states: "It is the duty of every state officer, employee, agency, special district, board, commission, contractor, and subcontractor to cooperate with the inspector general in any investigation, audit, inspection, review, or hearing pursuant to this section."

1.20 COMPLIANCE WITH HEALTH AND SAFETY REGULATIONS

Respondent shall comply with all applicable federal, state, and local rules and regulations in providing services to the District. This requirement includes compliance with all applicable federal, state, and local health and safety rules and regulations.

1.21 INSURANCE

The respondent, if awarded a contract, shall maintain insurance coverage. In the event a contract is awarded to a governmental entity or a self-insured organization, different insurance requirements may apply. Misrepresentation of any material fact, whether intentional or not, regarding the bidder's insurance coverage, policies, or capabilities may be grounds for rejection of the bid and rescission of any ensuing contract. The respondent shall obtain all coverage as required by Florida law, including Workers Compensation and applicable professional liability insurance. Additionally, the respondent shall be insured as follows: General Liability, with limits not less than \$1,000,000 per occurrence; \$1,000,000 per occurrence for personal injury; and \$1,000,000 for property damage; Automobile Liability, with combined single limit of not less than \$1,000,000; Workers Compensation and Employers Liability, with limits not less than: Bodily Injury by Accident \$1,000,000 each accident; Bodily Injury by Disease \$1,000,000 policy limit; and Bodily Injury by Disease \$1,000,000 each employee.

Evidence of all such insurance satisfactory to the District shall be furnished with the executed Agreement prior to beginning work, and all such insurance policies shall provide for a ten (10) business day notice to the District of cancellation, or any material change in the terms of the insurance policies.

1.22 PROHIBITED CONTACT

Respondents to this solicitation or persons acting on their behalf shall not contact, between the release of the solicitation and the end of the 72-hour period following the District posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the Procurement Officer or as provided in the solicitation documents. Violation of this provision may be grounds for rejecting a response.

1.23 SPECIFICATION AND AWARD PROTEST

Any person who is adversely affected by the District's award shall file with the District a notice of protest in writing within 72 hours after the posting of the award. With respect to a protest of the terms, conditions, and specifications contained in this ITB, including any provisions governing the methods for ranking bids, awarding contracts, reserving rights of further negotiation, or modifying or amending any contract, the notice of protest shall be filed in writing within 72 hours after the posting of the ITB or the addenda to the ITB that contains the new term, condition or specification that is protested. The formal written protest shall be filed within 10 days after the date the notice of protest is filed with a bond pursuant to s. 287.042(2)(c), F.S. Failure to file a notice of protest or failure to file a formal written protest shall constitute a waiver of proceedings under Ch. 120, F.S. The formal written protest shall state with particularity the facts and law upon which the protest is based. Saturdays, Sundays, and state holidays shall be excluded in the computation of the 72-hour time periods. **Failure to file a protest within the time prescribed in s. 120.57(3), F.S., or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Ch. 120, F.S.**

1.24 PUBLICITY

The respondent shall obtain prior approval of the District for all news releases or other publicity pertaining to this bid or the service or any project to which it relates.

1.25 WAIVER OF MINOR IRREGULARITIES

The District may waive minor irregularities in bids received where such is merely a matter of form and not substance. Minor irregularities are defined as any deviation from a mandatory requirement of the ITB that, if waived, will not have an adverse effect on the District's interest and will not give a respondent an advantage or benefit not enjoyed by the other respondents. The District is not required to waive a minor irregularity and has the sole discretion to determine whether a minor irregularity should be waived.

1.26 PERFORMANCE BOND

A performance bond in the amount of ten percent (10%) of the total contract amount (bidder's total lump sum bid), with a corporate surety approved by the District, will be required for the faithful performance of the contract. A certified Cashier's Check made payable to: "NFWWMD" may be provided to the District, in lieu of a surety performance bond.

Attorneys-in-fact who sign bid bonds and performance bonds must file with each bond a certified and effective dated copy of their power of attorney.

The successful bidder will be required to execute the contract and provide the performance bond within ten (10) calendar days once the successful bidder is notified by the District Project Manager. In case of failure of the bidder to execute the Agreement, the District may at its option consider the bidder in default, in which case the bid bond accompanying the bid proposal shall become the property of the District.

PART 2. SCOPE OF SERVICES

The Work entails the removal and disposal of existing damaged boardwalk segments and the replacement of these segments at the Econfina Springs Complex (Pitt Spring) located in Bay County, Florida, and Williford Spring, located in Washington County, Florida, according to the specifications of the attached construction plans and Attachment A - Scope of Work (listed below). The respondent shall furnish all materials, labor, equipment, tools, incidentals, transportation, acquire permits as applicable, and complete all services necessary for the completion of this Work.

ECONFINA SPRINGS PROJECTS (PROJECT AREA 1 AND 2)

All Work at the Econfina Springs Complex will be completed according to the construction plans titled "Econfina Springs Construction Documents", dated September 2009, as prepared by Genesis Group (Project Number 7137-004) and Attachment A - Scope of Work (see changes to plans below).

ECONFINA SPRINGS - (PROJECT AREA 1)

The Work entails the removal and replacement of approximately 361 linear feet of elevated boardwalk from the Pitt Spring Parking Area to the Econfina Creek Tube Launch. The elevated boardwalk will begin at the edge of the existing concrete walkway from the parking area and will terminate at the beginning of the stairway to the Tube Launch Access platform. The existing restroom platform (underneath the building overhang), stairway to the tube launch, and tube launch platform will remain and are not included in this Scope of Work. Concrete work identified within the project area is also excluded from this Scope of Work. Approximately 121 linear feet of boardwalk section near the tube launch will require ADA handrails (grab bars) as specified in the plans. Changes to the plans/details are noted on individual plan sheets and are detailed below.

ECONFINA SPRINGS - (PROJECT AREA 2)

The Work entails the removal and replacement of approximately 230 linear feet of elevated boardwalk from the existing stabilized foot path towards the Sylvan Spring Overlook. No other areas are included in this Scope of Work. Changes to the plans/details are noted on individual plan sheets and are detailed below.

CHANGES TO THE ECONFINA SPRINGS CONSTRUCTION DOCUMENTS:

The following changes to the Econfina Springs Construction Documents will be incorporated to the Scope of Work as outlined below:

<u>Sheet Number</u>	<u>Change</u>
HS.01	Any reference to 2"x10" TREX RAIL CAP shall be replaced with "1"X12" MOISTURE SHIELD ® VANTAGE SERIES-FASCIA BOARD (.67" x11.25")"
HS.04.03	Any reference to 2"x10" TREX RAIL CAP shall be replaced with "1"X12" MOISTURE SHIELD ® VANTAGE SERIES-FASCIA BOARD (.67" x11.25")"

HS.17

Note 1 - shall be replaced in its entirety with the following: “1) **TREATED WOODS**. ALL WOODS SPECIFIED AS PRESERVATIVE TREATED (P.T.) SHALL BE COPPER CHROMATE ARESENATE (CCA). **MATERIAL STANDARDS**: SHALL COMPLY WITH AWWA STANDARDS U1 (CATEGORY UC4B AND UC4C). **TREATMENT RETENTION**: .80 LB/CF FOR ALL MATERIALS. **MOISTURE CONTENT**: ALL DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN DRIED, HEAT TREATED (KDHT).”

Note 2 - shall be replaced in its entirety with the following: “2) **LUMBER AND TIMBER GRADES AND STANDARDS**: BEAMS, JOISTS, RAILINGS AND POSTS SHALL BE NO. 2 SOUTHERN YELLOW PINE. ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.”

Note 5 - **ALUMINUM TUBE HANDRAIL FABRICATIONS**: First Sentence shall be replaced with “ALUMINUM TUBE SHALL BE GRADE 6061-T6 (1/8” MIN. WALL THICKNESS)”

Note 6 - shall be replaced in its entirety with the following: “6) **DECKING MATERIAL FOR OUTDOOR BOARDWALKS AND VIEW DECK SYSTEMS**: DECKING SHALL BE “MOISTURE SHIELD® VANTAGE SERIES 2”X6” SOLID EDGE MARINE GRADE BOARD (1.4 in x 5.4 in) COMPOSITE DECKING”. COLOR TO BE DETERMINED BY OWNER. SUBMITTAL: PRODUCT DATA” **RAIL CAP** SHALL BE MOISTURE SHIELD ® VANTAGE SERIES- FASCIA BOARD (.67” X 11.25”) BOARD. COLOR TO BE DETERMINED BY OWNER. SUBMITTAL: PRODUCT DATA”

WILLIFORD SPRING PROJECT

All Work at Williford Spring Complex will be completed according to the construction plans titled “Williford Spring Construction Documents”, dated April 2014, as prepared by Genesis Group (Project Number 7137-008) and Attachment A - Scope of Work (see changes to plans below). Changes to the plans are noted on individual plan sheets and are detailed below.

WILLIFORD SPRINGS - (PROJECT AREA 3)

The Work entails the removal and replacement of approximately 110 linear feet of elevated boardwalk along portions of the existing elevated boardwalk leading to Williford Spring. These include a small 16 linear foot, 90-degree spur boardwalk which leads to the picnic pavilion area, as well as a 94-foot ADA accessible ramp from the existing boardwalk leading to the paver terrace. The entire ADA ramp will require ADA handrails (grab bars) as specified in the plans. Concrete work identified within the project area is excluded from this Scope of Work.

CHANGES TO THE WILLIFORD SPRINGS COMPLEX PLANS:

The following changes to the Econfina Springs Complex Plans will be incorporated into the Scope of Work as outlined below:

Sheet Number	Change
HS.01	TOP CAP: Any reference to “2”x10” NO.1 KDAT SOUTHERN YELLOW PINE” shall be replaced with “2”X10” NO.2 P.T (KDHT) SOUTHERN YELLOW PINE.”
HS.38	<p>Note 1 - shall be replaced in its entirety with the following: “1) TREATED WOODS. ALL WOODS SPECIFIED AS PRESERVATIVE TREATED (P.T.) SHALL BE COPPER CHROMATE ARESENATE (CCA). MATERIAL STANDARDS: SHALL COMPLY WITH AWWA STANDARDS U1 (CATEGORY UC4B AND UC4C). TREATMENT RETENTION: .80 LB/CF FOR ALL MATERIALS. MOISTURE CONTENT: ALL DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN DRIED, HEAT TREATED (KDHT).”</p> <p>Note 2 - shall be replaced in its entirety with the following: “2) LUMBER AND TIMBER GRADES AND STANDARDS: BEAMS, JOISTS, RAILINGS AND POSTS SHALL BE NO. 2 SOUTHERN YELLOW PINE. ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.”</p> <p>Note 8 - ALUMINUM PIPE HANDRAIL FABRICATIONS: Insert the following before the first sentence “ALUMINUM PIPE SHALL BE GRADE 6061-T6 (1/8” MIN. WALL THICKNESS)”</p> <p>Note 9 - shall be replaced in its entirety with the following: “6) DECKING MATERIAL FOR OUTDOOR BOARDWALKS AND VIEW DECK SYSTEMS: DECKING SHALL BE “TREX TRANSCEND® SERIES 2”X6” SQUARE EDGEBOARD (1.3 in x 5.5 in) COMPOSITE DECKING”. COLOR TO BE DETERMINED BY OWNER. SUBMITTAL: PRODUCT DATA”</p>

PROJECT SCHEDULE AND PHASING OF WORK

The Work can begin no earlier than September 9, 2024, and all Work must be completed by March 31, 2025. The respondent must work to complete each project area before moving on to the next project area to minimize impacts to public access within the project locations.

WORK SITE AND DISPOSAL OF MATERIALS

The respondent will be required to keep the work site clean and free of construction debris and all work materials shall be secured and stored in a neat and organized manner. All construction debris shall be disposed of at an appropriate landfill. The respondent shall provide scale tickets of disposed debris upon request.

INVOICING

The respondent may submit invoices for **completed Work** no more frequently than monthly. The District will not pay for stored materials and will only pay for work that has been completed according to the plans and specifications provided. If an invoice is submitted for a portion of an individual boardwalk project, the District will measure the total length of boardwalk section that has been completed and is being invoiced for and divide this by the total project distance and then multiply this by the Lump Sum Bid amount for the specific project to determine the invoice total.

PART 3. BID REQUIREMENTS

3.1 RULES FOR THE BIDS

1. All bids must comply with applicable Florida Statutes, laws, and rules.
2. **One electronic bid** must be submitted through DemandStar. See Part 1, *Section 1.13 Submission and Withdrawal* for further details.
3. All bids shall be completed and submitted on the attached **Forms** (Part 5).
4. The District is not subject to Florida sales tax or to any federal excise taxes on all sales made **directly** to the District, and neither shall be included in the bid price.
5. Any transportation or other charges incurred in the delivery of products or services as specified must be included in the bid price, as noted on the bid sheet.
6. All costs, whether direct or indirect, which will be ultimately paid by the District must be included in the price on the **Bid Form** (Part 5). Any indirect, overhead, profit margin or other such costs, however named, must also be included in the bid price.
7. The award hereunder is subject to Ch. 112, F.S. All bidders shall disclose with their bids the name of any officer, director, board member, or agent who is also an employee of the State of Florida, or any of its agencies. Further, all bidders shall disclose the name of any state employee or any board member or employee of the District who owns directly or indirectly an interest of five percent (5%) or more in the bidder's firm, subsidiaries, or branches.
8. The successful bidder(s) will be required to execute the contract and provide the performance bond within ten (10) calendar days once the successful bidder is notified by the District Project Manager. In case of failure of the successful bidder to execute the agreement within the timeline above, the District may at its option consider the bidder in default, in which case the District may award the bid to another bidder at its sole discretion.
9. The District reserves the right to reject any and all bids, to negotiate with the qualified respondent(s) submitting the lowest responsive bids, to waive any irregularities of a minor nature, and to solicit and re-advertise for other bids. Mistakes clearly evident on the face of the bid documents, such as computation errors, may be corrected by the District. Per s. 255.0991, F.S., the District has no regulation that provides contractor preference as described in the statute.

3.2 RESPONDENT QUALIFICATIONS

Respondents to this ITB are required to meet the following qualification and experience criteria:

1. Must hold an active Florida Contractor License.
2. Must have no less than five (5) years of experience performing similar services described in the **Scope of Work**.

3. Must have sufficient qualified personnel and equipment necessary to complete all work proposed in the Scope of Work within the established Project Schedule.
4. **Must not have** known or potential conflicts-of-interest in performing tasks as requested in the **Scope of Work**.
5. **Must not have** pertinent litigation filed against the respondent in the states of Florida, Alabama, or Georgia within the last three (3) years.
6. Any subcontractors used by the respondent to complete proposed work in this ITB must be identified and must meet the pertinent criteria listed above to perform the task for which they are hired. The successful bidder(s) shall supply the names and addresses of major material suppliers and sub-vendors when requested to do so by the District.
7. Respondents must complete, sign, and submit with their bid the **Contractor Information Form** (see PART 5) to support and document the qualification and experience criteria listed above.

3.3 BID BOND

A Bid Bond will not be required for ITB 24B-005.

3.4 VENDOR REGISTRATION AND W-9 FORMS

The successful bidder will be required to complete a Vendor Registration Form and W-9 Form once notified of award by the District Project Manager.

3.5 RESPONDENT CHECKLIST

Please review the checklist for this bid (ITB No. 24B-005) to ensure that you have properly followed the instructions. Many bids and proposals are rejected because the respondent simply failed to comply with required preparation and submission requirements.

- Have you performed a final review of your bid to ensure you included all required documentation? **The omission of required items will result in rejection of the bid.**
- Have you completed, signed, and included the **Forms (pages 18 through 20)**? Have you verified all amounts to ensure that they are complete and accurate?
- If a conflict of interest exists as described in *Section 1.7 Conflict of Interest*, have you included a statement of disclosure?
- Have you verified the submittal of your complete Bid Package through DemandStar before the deadline?

PART 4. EVALUATION OF BIDS

4.1 EVALUATION METHOD AND CRITERIA

The District will evaluate all bids and anticipates awarding the Pitt and Williford Springs Boardwalk Replacement Projects **by individual recreation complex** to one or more bidders based upon the lowest total lump sum amount bid for completing all services at each individual recreation complex.

Evaluation of the Bid Package will be carried out by staff of the Northwest Florida Water Management District using the criteria listed below:

1. The successful bidder(s) must meet the qualifications and experience criteria as described in Section 3.2 Respondent Qualifications.
2. The Econfina Spring Complex Bid (Project Area 1 and Project Area 2) will be awarded to one respondent who submits the lowest total lump sum amount for the completion of all Work for the Pitt & Sylvan Springs Boardwalk Replacement Projects. The Williford Spring Complex Bid (Project Area 3) will be awarded to one respondent who submits the lowest total lump sum amount for the completion of all Work for the Williford Springs Boardwalk Replacement Project.
3. If two or more bids are tied, the bid will be awarded to the respondent earning the most points from the following, each being assigned one point for a total of up to three points:
 - a) One point to a respondent that certifies compliance with s. 288.703(1), F.S., as a certified minority business enterprise;
 - b) One point to a respondent that certifies compliance with s. 295.187(3)(a), F.S., as a certified veteran's business enterprise; and
 - c) One point to a respondent that certifies compliance with s. 287.087, F.S., having implemented a Drug-Free Workplace program.
4. If there is still a tie, the tie will be broken by lot (for example, coin toss).

PART 5. FORMS

5.1 BID FORMS

**PITT AND WILLIFORD SPRINGS BOARDWALK REPLACEMENT
ITB 24B-005
BID SHEETS**

ITEM	DESCRIPTION	Individual Project Area Bids	Total Lump Sum Bid
1	<p>Econfina Spring Complex Bid</p> <p>Project Area 1 - Remove and replace approximately 361 linear feet of elevated boardwalk from the Pitt Springs Parking Area to the Econfina Creek Tube Launch. *</p> <p>Project Area 2 - Remove and replace approximately 230 linear feet of elevated boardwalk from the existing stabilized foot path towards the Sylvan Spring Overlook. *</p>	<p>\$ _____ (Project Area 1 Bid)</p> <p>\$ _____ (Project Area 2 Bid)</p>	<p>\$ _____ Combined Bid (Project Area 1 and 2)</p>
2	<p>Williford Spring Complex Bid</p> <p>Project Area 3 - Remove and replace approximately 110 linear feet of elevated boardwalk along portions of the existing elevated boardwalk leading to Williford Spring. *</p>	<p>\$ _____ (Project Area 3 Bid)</p>	<p>\$ _____ (Project Area 3 Bid)</p>

*The Lump Sum Bids listed above shall include all costs associated with the completion of the Work including materials, labor and equipment, tools, incidentals, transportation, mobilization, demobilization, all costs including safety measures for compliance with the Trench Safety Act (Florida Statutes, Ch. 553) and permits as applicable and to complete all services necessary for the completion of the Work specified in the Scope of Work.

Authorized Signature

Position or Title

Printed Name of Above Signature

Agency or Company

I certify that this bid is made without subsequent understanding, agreement or connection with any corporation, firm, or person submitting a bid for the Pitt and Williford Springs Boardwalk Replacement Project ITB and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the Bidder and that the Bidder is in compliance with all requirements of the Invitation to Bid.

I, the undersigned, having read Parts I through VI of this Invitation to Bid 24B-005 and the attached draft agreement for the project, as well as the Scope of Work and the referenced construction plans, **including referenced changes to the construction plans**, and having a comprehensive understanding of all provisions, rules, requirements, restrictions, etc. contained herein, agree to same and respectfully submit the bid contained herein.

It is the duty of every state officer, employee, agency, special district, board, commission, contractor, and subcontractor to cooperate with the inspector general in any investigation, audit, inspection, review or hearing pursuant to *Section 1.19* above.

Authorized Bidder Signature

Bidder Title

Bidder Name (Print or Type)

Company Name

Date

Address

Area Code Telephone Number

City State Zip

E-mail Address

Federal Employers Identification (FEID#) (Use
SS # if no FEID #)

(The area below this line is to be completed by NFWFMD Agency Clerk only.)

Unsigned bids may be rejected by the Agency Clerk of the Northwest Florida Water Management District.

Agency Clerk
Northwest Florida Water Management District

5.2 BIDDER INFORMATION FORM

Years of experience as a General Contractor working in the commercial construction industry performing public access improvements, and/or direct recreational amenities construction projects similar to those described in the Scope of work: _____

Florida Contractor’s License Number(s): _____

List of subcontractors, if any, that may be used to perform services:

<u>Name</u>	<u>Address</u>	<u>Type of Firm</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

List of similar projects that you completed within the past 3 Years:

<u>Date (Month/Year)</u>	<u>Location (County/State)</u>	<u>Project Size</u>	<u>For Whom</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

List of pertinent references, including names, addresses and telephone numbers:

<u>Name</u>	<u>Address</u>	<u>Phone Number/Email</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Is this bidder a certified minority business enterprise as defined in s. 288.703(1), F.S.? If yes, please provide documentation.

Check One: Yes No

Is this bidder a certified veteran’s business enterprise as defined in s. 295.187(3)(a), F.S.? If yes, please provide documentation.

Check One: Yes No

Has this bidder implemented a Drug-Free Workplace program in compliance with s. 287.087, F.S.? If yes, please provide documentation.

Check One: Yes No

PART 6. DRAFT AGREEMENT FOR PROJECT

Please see the attached Draft Agreement for the project. This agreement is subject to change subsequent to legal counsel review.

**Draft Agreement for
Pitt and Williford Springs Boardwalk Replacement
Between
Northwest Florida Water Management District
And
[Contractor]
NFWFMD Contract Number 24-XXX**

This agreement (the "Agreement") is by and between the Northwest Florida Water Management District (hereinafter, the District) and _____ (hereinafter, the Contractor). The District and the Contractor hereby agree as follows:

SECTION 1 – SCOPE OF SERVICES

The Contractor shall perform and render all services and deliverables hereunder (the "Work") as an independent contractor of the District and not as an agent, representative, or employee of the District. Work shall be provided and performed in accordance with the Contractor's bid response (the "Bid Response") under ITB 24B-005 entitled "Pitt and Williford Springs Boardwalk Replacement" incorporated herein by reference, and the Scope of Work incorporated herein by reference as Attachment A, Econfina Springs Construction Plans dated September 11, 2009 as Exhibit B, and Williford Springs Construction Plans dated April 25, 2014 as Exhibit C.

SECTION 2 – RESPONSIBILITIES OF CONTRACTOR

- A. The Contractor is responsible for the timely completion, professional quality, and technical accuracy of all Work provided to the District under the terms of this Agreement. The Contractor shall, without additional compensation, correct or revise any errors, omissions or other deficiencies caused by the Contractor and identified by the District in reports, drawings, and in conjunction with all other Work provided for under this Agreement.
- B. The District's approval of field activities, reports, drawings, other services, and incidental Work or materials furnished hereunder shall not in any way relieve the Contractor of responsibility for the technical adequacy of its Work. For the purposes of this Agreement, technical adequacy shall refer to the performance of all Work in accordance with the Quality Assurance requirements set forth in the Contractor's Bid Response and the generally accepted standards and professional practices. The District's review, approval, acceptance, or payment for any of the Work shall not be construed as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.
- C. The Contractor shall be, and shall remain, liable in accordance with applicable law for all damages to the District caused by the Contractor's negligent performance of any of the Work furnished under this Agreement.
- D. As provided under s. 216.347, F.S., expenditure of District funds for purposes of lobbying, including of the Legislature, judicial branch, or any state agency, is prohibited.
- E. The Contractor's obligations under this Section are in addition to the Contractor's other expressed or implied assurances under this Agreement or state law and in no way diminish any other rights that the District may have against the Contractor for deficiencies in Work.

- F. The Contractor shall indemnify and hold harmless the District, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor and other persons employed or utilized by the Contractor in the performance of this Agreement.
- G. The Contractor represents that it has not employed or retained any company or person, other than a bona fide employee working solely for the Contractor, to solicit or secure this Agreement and that the Contractor has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Contractor, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement.
- H. The Contractor certifies that it and any of its affiliates are not on the Scrutinized Companies that Boycott Israel List or engaged in a boycott of Israel. Pursuant to s. 287.135, F.S., the District may immediately terminate this Agreement at its sole option if the Contractor is found to have submitted a false certification; or if the Contractor is placed on the Scrutinized Companies that Boycott Israel List or is engaged in the boycott of Israel during the term of the Agreement. If this Agreement is for one million or more dollars, the Contractor certifies that it is also not on the Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria as identified in s. 287.135, F.S. Pursuant to s. 287.135, F.S., the District may immediately terminate this Agreement at its sole option if the Contractor is found to have submitted a false certification or if the Contractor is placed on the Scrutinized Companies with Activities in Sudan List, or Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria during the Term, as defined herein. As provided in s. 287.135(8), F.S., if federal law ceases to authorize these contracting prohibitions, then they shall become inoperative.
- I. The Contractor covenants that it presently has no conflict of interest and shall not acquire any interest which would conflict in any manner or degree with the performance under this Agreement.
- J. Prior to commencing Work, the Contractor shall provide a Performance Bond in an amount of \$XX,XXX.XX, equal to (10%) of the Contract Price of \$XXX,XXX.XX.
- i. The Performance Bond shall be held by the District to insure contract compliance and to pay any damages sustained by the District due to the Contractor's negligence or breach of contract; provided, however, that such Performance Bond shall not relieve Contractor from its obligation to indemnify as provided in Section 2.F. hereof.
 - ii. A certified Cashier's Check made payable to: "NFWFMD" may be provided to the District in lieu of a surety performance bond.
 - iii. Attorneys-in-fact who sign bid bonds and performance bonds must file with each bond a certified and effective dated copy of their power of attorney.
 - iv. The Contractor will be required to execute this Agreement and provide the Performance Bond within ten (10) calendar days of execution.
 - v. The Performance Bond or Cashier's Check amount shall be returned to the Contractor within thirty (30) days of successful completion of all terms and conditions of this Agreement.
- K. Contractor's Warranties.
- i. The Contractor warrants the labor and materials used in performing this Agreement for a period of

one (1) year (the “Warranty Period”) from the date of the final payment hereunder. The Contractor warrants that it shall deliver to the District good title to all materials, supplies, and equipment installed or incorporated in the Work and upon completion thereof shall deliver all improvements constructed or placed on District land by the Contractor free and clear from any claims, liens or charges. The Contractor will assign to the District all manufacturers’, suppliers’ and subcontractors’ warranties and guaranties on materials, equipment, fixtures, and labor incorporated into the Work. The Contractors’ delivery to the District of all such warranties and guaranties is required as a prerequisite to the final payment. Notwithstanding the Contractor’s assignment to the District of such warranties, during the Warranty Period the Contractor shall be responsible for causing the manufacturers, suppliers, and subcontractors to perform their warranty obligations.

- ii. Neither inspection nor payment (including final payment) by the District shall be deemed to be a waiver or release of the Contractor with respect to its obligations to remedy any defect in the Work. No inspection performed or failed to be performed by the District shall be a waiver of any of the Contractor’s obligations or be construed as an approval or acceptance of the Work or any part thereof with respect to latent defects or other defects not observed by the District during such inspection.
- iii. The Contractor shall not waive, limit or take any action to prejudice or void any warranties or guaranties as to materials or component parts used in the Work or as to any subcontractor’s or sub-subcontractor’s work without the District’s prior written consent, unless the Contractor’s performance of the Work in accordance with the Bid Response results in a waiver of or prejudice to such warranty or guaranty; provided, however, that the Contractor will advise the District in writing prior to performing any such Work which will waive or prejudice any such warranty or guaranty, such notice to be provided as soon as practicable after the Contractor discovers any such issue and, to the extent practicable, the Contractor will not proceed with such portion of the Work until the District provides the Contractor with written notice to proceed.
- iv. The District shall be notified by the Contractor as soon as reasonably practicable if the Contractor discovers that any portion of the Work which has been completed deviates from the requirements of the Contract Documents.
- v. Only materials and equipment which are to be used directly in the Work shall be brought to and stored on District land. After equipment is no longer required for the Work, it shall be promptly removed from District land. Protection of construction materials and equipment stored on District land from weather, theft, damage, and all other adversity is solely the responsibility of the Contractor.
- vi. The Contractor shall instruct the District in the proper use and maintenance of all systems or equipment constituting part of the Work at the time of completion and before final acceptance of the Work.
- vii. The District and the District’s inspectors shall at all reasonable times have access to the Work, wherever it is in preparation and progress, provided that such access will not interfere with the Contractor’s performance of the Work.
- viii. The District has no responsibility to assist the Contractor in the supervision or performance of the Work. No action, approval or omission to act or failure to advise the Contractor as to any matter by the District shall in any way relieve the Contractor from its responsibility for the performance of the Work in strict accordance with the Contract Documents.
- ix. This Agreement is for the District’s benefit, and its successors and assigns, who, as well as the

Contractor, may directly enforce all rights and warranties, express or implied herein. To effectuate the District's right to enforce subcontracts, the Contractor hereby assigns to the District the nonexclusive right to bring any actions against subcontractors or sub-subcontractors, in the District's name and at its own cost, without waiver by the District of its right against the Contractor, because of defaults, delays, and defects for which a subcontractor or sub-subcontractor may also be liable. The Contractor shall include in its subcontracts and purchase orders appropriate provisions to assure that subcontractors and sub-subcontractors shall have recourse only against the Contractor and not against the District. Notwithstanding the District's right to enforce subcontracts as specified hereinabove, the District may rely solely upon the Contractor for enforcement of all subcontracts and purchase orders entered into in connection with the performance of the Work.

SECTION 3 – TRUTH-IN-NEGOTIATIONS

The Contractor certifies that wage rates and other factual unit costs supporting the compensation are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto will be adjusted to exclude any significant sums by which the District determines the contract price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such contract adjustments must be made within one year following the end of this Agreement.

SECTION 4 – COMPENSATION

- A. Maximum compensation for the Work, as described in Attachment A and the Contract Documents, shall not exceed [Text Total Amount] Dollars (\$XXX,XXX). The District's performance and obligation to pay under this Agreement is contingent upon annual appropriation by the Florida Legislature and/or approval of the District's annual budget.
- B. The Contractor shall submit invoices no more frequently than monthly. Each invoice submitted must be in detail sufficient for pre-audit and post-audit review. A final invoice must be submitted within thirty (30) days after the expiration date of this Agreement to assure the availability of funding for final payment.
- C. Payment of any invoice will be subject to inspection and approval by the District Project Manager or District's designee. The District Project Manager will determine, in his/her sole discretion, whether or not the Contractor has successfully completed the authorized Work as outlined in this Agreement. Payment will not be made until the District receives written authorization to do so by the District Project Manager. Payment will be made upon inspection and approval of the applicable Work within thirty (30) days of receipt of an approved invoice. Invoices shall include the Contractor name and address, invoice number, Contractor taxpayer identification number, date, time period covered by the invoice, the Contract Number of this Agreement, total payment requested, amount previously invoiced, and a signed certification by the Contractor Project Manager that the Work being invoiced has been completed.
- D. Any subcontractor fees and other direct expenses required for completion of the Work will be billed at actual cost without mark-up and must be identified and pre-approved by the District. All travel shall be in accordance with s. 112.061, F.S., and District policy, which requires pre-approval by the District. In such instance, travel expenses must be submitted on District travel forms.
- E. An original invoice, including appropriate backup documentation, shall be submitted to both the District Project Manager, at the contact information included in Section 6.B., and the District's Accounting Department at: AccountsPayable@nwfwater.com.

SECTION 5 – TIME OF PERFORMANCE

- A. This Agreement is effective on the last date of execution by a party (the “Effective Date”) and shall remain in effect through March 31, 2025 (the “Term”).
- B. The Contractor shall proceed with the Work at such rate of progress to ensure full completion within the Term. It is expressly understood and agreed by and between the Contractor and the District that the Term is a reasonable amount of time in which to complete the Work, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the Work.
- C. If the Contractor shall fail to complete Work within the Term, or amendments thereof, then the Contractor shall be in default and shall forfeit the Performance Bond as set forth in Section 18.
- D. By formal amendment in writing and agreed upon by both parties, the District may extend this Agreement for a time period as determined necessary by the District in its sole discretion to complete the Work and subject to availability of appropriated funds in each fiscal year of the District.

SECTION 6 – APPROVALS AND NOTICES

- A. All notices and written communication between the parties shall be sent by electronic mail, U.S. Mail, a courier delivery service, or delivered in person addressed to the individuals listed in Section 6.B. If sent by electronic mail, notices shall be considered delivered at 5:00 PM on the day sent, or 9:00 AM the following day if sent after 5:00 PM. If sent via other means authorized by this paragraph, notices shall be considered delivered when reflected by a courier service delivery receipt, other mail service delivery receipt, or when receipt is acknowledged by recipient.
- B. The District Project Manager for this Agreement is identified below:

Benjamin Faure, or successor	
Northwest Florida Water Management District	
81 Water Management Drive	
Havana, FL 32333-4712	
Telephone No.:	(850) 539-5999
E-mail Address:	Benjamin.Faure@nfwfwater.com

- C. The Contractor Project Manager for this Agreement is identified below:

[Project Manager Name], or successor	
[Company Name, Title (optional)]	
[Street Address]	
[City, State, Zip]	
Telephone No.:	(XXX) XXX-XXXX
E-mail Address:	

- D. No amendment to this Agreement shall be effective unless agreed in writing and executed by the parties hereto.
- E. The District and the Contractor may, by written order designated to be an amendment, agree that additional Work shall be undertaken within the general scope of this Agreement.
- F. The District shall, at its sole discretion, determine whether the Work has been satisfactorily completed.

SECTION 7 – INSURANCE

The Contractor shall maintain adequate insurance coverage at all times as follows: General Liability, with limits no less than \$1,000,000 per occurrence; \$1,000,000 per occurrence for personal injury; and \$1,000,000 for property damage; Automobile Liability, with combined single limit of not less than \$1,000,000; Workers Compensation and Employers Liability, with limits not less than \$1,000,000 for each accident for Bodily Injury by Accident, \$1,000,000 policy limit and \$1,000,000 each employee for Bodily Injury by Disease. Evidence of all such insurance satisfactory to the District shall be furnished prior to beginning operations, and all such insurance policies shall provide for thirty (30) days' notice to the District of cancellation or any material change in the terms of the insurance policies.

SECTION 8 – SUBCONTRACTS

- A. The Contractor shall not subcontract, assign or transfer any Work under this Agreement without the prior written consent of the District. Any subcontractors who may be employed by the Contractor and approved by the District must also adhere to all provisions of this Agreement. Subcontractors included in the Bid Response are pre-approved for use under this Agreement.
- B. The Contractor shall cause the names of subcontractor firms responsible for portions of the Work to appear on such Work.
- C. The Contractor agrees to notify the District of all subcontracts no less than ten (10) days prior to the effective date of the subcontracts for the purpose of approval by the District. The Contractor agrees to provide the District with an executed copy of all subcontracts within ten (10) days after the effective date thereof.
- D. The Contractor agrees to be responsible for the fulfillment of all Work elements or arrangements included in the subcontracts and agrees to be responsible for the payment of all monies due under any subcontract and hold the District harmless from any liability or damages arising under or from any subcontract hereunder.

SECTION 9 – LAW COMPLIANCE

The Contractor will abide by and assist the District in satisfying and complying with all applicable federal, state, and local laws, rules, regulations and guidelines, executive orders and policies related to performance under this Agreement.

SECTION 10 – TERMINATION OF AGREEMENT

- A. The District or its designated representatives will decide all questions, difficulties, and disputes of whatever nature which may arise under or by reason of this Agreement. The District's decision upon all claims, questions and disputes shall be final, conclusive, and binding upon the parties hereto. This Section 10 does not preclude any party from seeking relief by filing a petition for administrative hearing pursuant to Ch. 120, F.S.
- B. If the Contractor fails to fulfill its obligations in a timely and proper manner under this Agreement, or if the Contractor violates any of the covenants, agreements, or stipulations of this Agreement, the District has the right to terminate this Agreement. This right to terminate will be exercised by giving written notice to the Contractor of such termination and specifying the reason and effective date thereof. Upon such notice of intent to terminate this Agreement by the District, the Contractor will have a contract resolution period not to exceed thirty (30) days to resolve deficiencies, disputes or

other contract issues to the District's satisfaction before the termination is final. During this resolution period, the Contractor will not initiate any new Work requiring additional compensation without written approval by the District.

- C. The District may at any time and for any reason give notice of immediate termination of this Agreement at the District's convenience and sole discretion. Upon receipt of such notice, the Contractor shall, unless the notice directs otherwise, immediately discontinue the Work and procurement for all materials and services in connection with the performance of this Agreement.
- D. Upon termination in any event, the Contractor shall not be relieved of liability to the District for damages sustained by the District because of any breach of this Agreement, without prejudice to any other rights the District may have as a result of such breach, including, but not limited to, the right to consequential or incidental damages.
- E. In the event the District terminates this Agreement, other than for breach by the Contractor, the Contractor shall be compensated for Work completed as of the date of termination and for any irrevocable commitments for procurement for materials or services made by the Contractor as of the date of termination. The Contractor agrees that it will make no such commitments prior to receiving written approval from the District. The Contractor also agrees to provide all Work products completed or in progress at the date of termination.

SECTION 11 – OWNERSHIP OF DOCUMENTS AND DELIVERABLES

- A. The Contractor will provide the District with any and all reports, plans, models, geographic information system data, studies, maps, or other documents resulting from the Work. Unless otherwise specified, all written materials, documents, plans, model results, and maps shall be submitted to the District in editable electronic format by the Contractor, and hard copies shall be provided as requested by the District. All digital photos, graphics, and maps shall be of sufficient quality to be reproducible.
- B. The Contractor shall be responsible for the validation of all field and analytical data collected by the Contractor and shall be responsible for the accuracy of all reports submitted to the District.
- C. All reports produced and other data gathered by the Contractor for the purpose of this Agreement shall become the property of the District without restriction or limitation upon their use and shall be made available by the Contractor at any time upon request of the District.
- D. All deliverables, including Work not accepted by the District, are District property when Contractor has received compensation therefor, in whole or in part. For any Work subject to patent or copyright, such Work is a "work made for hire" as defined by the patent and copyright laws of the United States. Contractor shall not make any representation otherwise and, upon request, shall sign any documents so affirming. Any District source documents or other District or non-District documents, specifications, materials, reports, or accompanying data developed, secured, or used in the performance of the Work, excluding proprietary materials, as outlined in the Contract Documents, are District property and shall be safeguarded and provided to the District upon request. This obligation shall survive termination or expiration of this Agreement.
- E. The District shall have the unrestricted right to use and disseminate all of the above-referenced documents without payment of further compensation to Contractor, provided that any future use for other than the purpose intended by this Agreement shall be at the District's sole risk and without liability to Contractor. Contractor shall include language in all subcontracts clearly indicating that ownership and copyright to all materials produced pursuant to this Agreement remains with the District, as provided herein. All original sketches, tracings, drawings, computation details,

calculations, field books, and plans that result from the Work shall become the sole property of the District. Contractor shall submit all such work products to the District, if requested. Contractor may retain copies of all work products created pursuant to this Agreement.

SECTION 12 – RELEASE OF INFORMATION

The Contractor agrees not to divulge any information obtained in connection with the performance of services under this Agreement to anyone other than the District unless authorized in writing by the District. All drawings, specifications, diagrams, reports, documents, etc., furnished by the Contractor pursuant to this Agreement shall become the sole property of the District, and may be subject to disclosure by the District under Ch. 119, F.S., Florida Public Records Law, or required by court order. However, the Contractor shall maintain the confidentiality of the project and all related information unless such confidentiality is waived by the District in writing.

SECTION 13 – CHOICE OF LAW/FORUM

The parties hereby agree that any and all actions or disputes arising out of this Agreement shall be governed by the Laws of the State of Florida; and any such actions shall be brought in state court in Leon County, Florida. The parties hereby agree to waive any rights they may have to file or remove an action to any U.S. district court.

SECTION 14 – VENDOR LIST (PUBLIC ENTITY CRIME/DISCRIMINATION/ANTITRUST VIOLATOR) AND NON-PROFIT ORGANIZATION

- A. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017, F.S., for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list pursuant to s. 287.133, F.S. Questions regarding the convicted vendor list may be directed to the Florida Department of Management Services, State Purchasing Division, at (850) 488-8440 or send email to purchasingcustomerservice@dms.fl.gov.
- B. An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity, may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids, proposals, or replies on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity pursuant to s. 287.134, F.S. Questions regarding the discriminatory vendor list may be directed to the Florida Department of Management Services, State Purchasing Division, at (850) 488-8440 or send email to purchasingcustomerservice@dms.fl.gov.
- C. A person or affiliate who has been placed on the antitrust violator vendor list following a conviction or being held civilly liable for an antitrust violation may not submit a bid, proposal, or reply on any contract to provide any good or services to a public entity, may not submit a bid, proposal, or reply on any contract with a public entity for the construction or repair of a public building or public work, may not submit a bid, proposal, or reply on leases of real property to a public entity, may not be awarded or perform work as a grantee, supplier, subcontractor, or consultant under a contract with a public entity, and may not transact new business with a public entity pursuant to s. 287.137, F.S.

Questions regarding the antitrust violator vendor list may be directed to the Florida Department of Management Services, State Purchasing Division, at (850) 488-8440 or send email to purchasingcustomerservice@dms.fl.gov.

- D. Pursuant to s. 216.1366, F.S., if Contractor meets the definition of a non-profit organization under s. 215.97(2)(m), F.S., Contractor must provide the District with documentation that indicates the amount of state funds:
- i. Allocated to be used during the full term of the contract or agreement for remuneration to any member of the board of directors or an officer of Contractor.
 - ii. Allocated under each payment by the public agency to be used for remuneration of any member of the board of directors or an officer of the Contractor.

The documentation must indicate the amounts and recipients of the remuneration. Such information must be posted on the state's contract tracking system and maintained pursuant to s. 215.985, F.S., and must be posted on the Contractor's website, if Contractor maintains a website.

SECTION 15 – ACCESS TO RECORDS FOR THE PURPOSE OF AUDITS

- A. The Contractor shall maintain books, records, and documents directly pertinent to performance under this Agreement in accordance with generally accepted accounting principles consistently applied. The District, the state, inspector general or their authorized representatives shall have access to such records for audit purposes during the Term, or Renewal Term, if applicable, and for five (5) years following the termination or expiration of this Agreement. In the event any Work is subcontracted, the Contractor shall similarly require each subcontractor to maintain and allow access to such records for audit purposes.
- B. Contractor shall comply with Florida Public Records Law under Ch. 119, F.S. Records made or received in conjunction with this Agreement are public records under Florida law, as defined in s. 119.011(12), F.S. Contractor shall keep and maintain public records required by the District to perform the services under this agreement.
- C. This Agreement may be unilaterally canceled by the District for unlawful refusal by the Contractor to allow public access to all documents, papers, letters, or other material made or received by the Contractor in conjunction with this Agreement and subject to disclosure under Ch. 119, F.S., and Section 24(a), Article I, Florida Constitution.
- D. If the Contractor meets the definition of "Contractor" found in s. 119.0701(1)(a), F.S., then the following requirements apply:
- i. A request to inspect or copy public records relating to this Agreement for services must be made directly to the District. If this District does not possess the requested records, the Contractor must provide the records to the District or allow the records to be inspected or copied within a reasonable time. If the Contractor fails to provide the public records to the District within a reasonable time, the Contractor may be subject to penalties under Ch. 119, F.S., or as otherwise provided by law.
 - ii. Upon request from the District's custodian of public records, the Contractor shall provide the District with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Ch. 119, F.S., or as

otherwise provided by law. All records that are stored electronically must be provided to the District in a format that is compatible with current information systems.

- iii. The Contractor shall identify and ensure that all public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law during the Term, Renewal Term, if applicable, and following termination or expiration of the Agreement if the Contractor does not transfer the records to the District.
- iv. Upon completion of this Agreement, the Contractor shall transfer, at no cost to the District, all public records in possession of Contractor or keep and maintain public records required by the District to perform the services under this Agreement. If the Contractor transfers all public records to the District, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the Agreement, the Contractor shall meet all applicable requirements for retaining public records.

E. IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CH. 119, F.S., OR TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE DISTRICT'S CUSTODIAN OF PUBLIC RECORDS by telephone at (850) 539-5999; by email at ombudsman@nfwwater.com; or by mail at Northwest Florida Water Management District, 81 Water Management Drive, Havana, FL 32333.

SECTION 16 – AGENCY INSPECTORS GENERAL

The Contractor understands and shall comply with s. 20.055(5), F.S., which states: It is the duty of every state officer, employee, agency, special district, board, commission, contractor, and subcontractor to cooperate with the inspector general in any investigation, audit, inspection, review, or hearing pursuant to this section.

SECTION 17 – PAYMENTS

- A. Payment will be made upon inspection and approval of the Work and within thirty (30) days of receipt of an approved invoice, submitted in sufficient detail for a pre-audit and post-audit review.
- B. The Contractor agrees to participate in electronic funds transfer payments from the District.

SECTION 18 – FINANCIAL CONSEQUENCES; REMEDIES

- A. In accordance with s. 287.058(1)(h), F.S., the District will apply financial consequences for nonperformance. If the Contractor fails to complete the Work within the Term or amendments thereof, but does complete the Work within thirty (30) days after the Term, the compensation therefor shall be reduced by two percent (2%). If the Contractor fails to complete the Work within the Term or amendments thereof, but does complete the Work after thirty (30) days but within sixty (60) days after the Term, the compensation therefor shall be reduced by five percent (5%).
- B. If the Contractor shall fail to complete the Work within sixty (60) days after the Term or amendments thereof, then the Contractor shall be in default and shall forfeit the performance bond required in Section 2.

- C. Cumulative Remedies. The rights and remedies of the District in this section are in addition to any other rights and remedies provided by law or under this Agreement.

SECTION 19 – EXECUTION OF COUNTERPARTS

This Contract may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

SECTION 20 – AGREEMENT AS INCLUDING ENTIRE AGREEMENT; SEVERABILITY

The contract documents ("Contract Documents") which make up this Agreement consist of: (i) this Agreement document, (ii) Invitation to Bid 24B-005, (iii) the Bid Response, (iv) technical specifications, (v) all addenda issued prior to the execution of this Agreement, (vi) the proposal submitted by the Contractor, and (vii) all modifications issued subsequent thereto, together with attachments and any exhibits attached hereto. The Contract Documents are part of this Agreement as if attached to this Agreement, whether or not they are actually attached. This Agreement, including the Contract Documents, hereby incorporated by reference, makes up the entire contract of the parties. There are no provisions, terms, conditions, or obligations other than those contained herein; and this Agreement shall supersede all previous communication, representation, or agreements, either verbal or written, between the parties hereto. This Agreement has been delivered in the State of Florida and shall be construed in accordance with the laws of Florida. Wherever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Agreement shall be prohibited or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Agreement.

SECTION 21 – MISCELLANEOUS

Force Majeure. Neither the Contractor nor the District shall be responsible for a delay in its respective performance under this Agreement if such delay is caused by acts of God, fire, flood, named storms, war, terrorist attacks, strikes, lockouts, acts or intervention of governmental agencies or authorities, court orders, and governmentally declared pandemics, epidemics, health emergencies, plague, quarantine, and travel restrictions.

IN WITNESS THEREOF, the District and the Contractor have executed this Agreement as of the date below written.

Northwest Florida Water Management District
Havana, Florida

[Contractor Name]
[City, State]

By: _____

Lyle Seigler
Executive Director

By: _____

[Contractor Signatory]
[Contractor Signatory Title]

Date: _____

Date: _____

DRAFT

Attachment A
Scope of Work
Pitt and Williford Spring Boardwalk Replacement

The Work entails the removal and disposal of existing damaged boardwalk segments and the replacement of these segments at the Econfina Springs Complex, (aka Pitt Spring) located in Bay County, Florida and Williford Springs, located in Washington County, Florida according to the specifications of the attached construction plans and Attachment A - Scope of Work (listed below). The contractor shall furnish all materials, labor, equipment, tools, incidentals, transportation, acquire permits as applicable and complete all services necessary for the completion of this Work.

ECONFINA SPRINGS COMPLEX PROJECTS (PROJECT AREA 1 AND 2)

All Work at the Econfina Springs Complex will be completed according to the construction plans titled “Econfina Springs Construction Documents,” dated September 2009, as prepared by Genesis Group (Project Number 7137-004) and Attachment A - Scope of Work (see changes to plans below).

ECONFINA SPRINGS - (PROJECT AREA 1)

The Work entails the removal and replacement of approximately 361 linear feet of elevated boardwalk from the Pitt Spring Parking Area to the Econfina Creek Tube Launch. The elevated boardwalk will begin at the edge of the existing concrete walkway from the parking area and will terminate at the beginning of the stairway to the Tube Launch Access platform. The existing restroom platform (underneath the building overhang), stairway to the tube launch and tube launch platform will remain and are not included in this Scope of Work. Concrete work identified within the project area is also excluded from this Scope of Work. Approximately 121 linear feet of boardwalk section near the tube launch will require ADA handrails (grab bars) as specified in the plans. Changes to the plans/details are noted on individual plan sheets and are detailed below.

ECONFINA SPRINGS - (PROJECT AREA 2)

The Work entails the removal and replacement of approximately 230 linear feet of elevated boardwalk from the existing stabilized foot path towards the Sylvan Spring Overlook. No other areas are included in this Scope of Work. Changes to the plans/details are noted on individual plan sheets and are detailed below.

CHANGES TO THE ECONFINA SPRINGS CONSTRUCTION DOCUMENTS:

The following changes to the Econfina Springs Construction Documents will be incorporated to the Scope of Work as outlined below:

<u>Sheet Number</u>	<u>Change</u>
HS.01	Any reference to 2”x10” TREX RAIL CAP shall be replaced with

“1”X12” MOISTURE SHIELD ® VANTAGE SERIES-FASCIA BOARD (.67” x11.25”)”

HS.04.03

Any reference to 2”x10” TREX RAIL CAP shall be replaced with“1”X12” MOISTURE SHIELD ® VANTAGE SERIES-FASCIA BOARD (.67” X 11.25”)”

HS.17

Note 1- shall be replaced in its entirety with the following: “1) **TREATED WOODS.** ALL WOODS SPECIFIED AS PRESERVATIVE TREATED (P.T.) SHALL BE COPPER CHROMATE ARESENATE (CCA). **MATERIAL STANDARDS:** SHALL COMPLY WITH AWWA STANDARS U1 (CATEGORY UC4B AND UC4C). **TREATMENT RETENTION:** .80 LB/CF FOR ALL MATERIALS. **MOISTURE CONTENT:** ALL DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN DRIED, HEAT TREATED (KDHT).”

Note 2- shall be replaced in its entirety with the following: “2) **LUMBER AND TIMBER GRADES AND STANDARDS:** BEAMS, JOISTS, RAILINGS AND POSTS SHALL BE NO. 2 SOUTHERN YELLOW PINE. ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.”

Note 5- ALUMINUM TUBE HANDRAIL FABRICATIONS: First Sentence shall be replaced with “ALUMINUM TUBE SHALL BE GRADE 6061-T6 (1/8” MIN. WALL THICKNESS)”

Note 6- shall be replaced in its entirety with the following: “6) **DECKING MATERIAL FOR OUTDOOR BOARDWALKS AND VIEW DECK SYSTEMS:** DECKING SHALL BE “MOISTURE SHIELD® VANTAGE SERIES 2”X6” SOLID EDGE MARINE GRADE BOARD (1.4 in x 5.4 in) COMPOSITE DECKING”. COLOR TO BE DETERMINED BY OWNER. SUBMITTAL: PRODUCT DATA”. **RAIL CAP** SHALL BE MOISTURE SHIELD ® VANTAGE SERIES-FASCIA BOARD (.67” X 11.25”) BOARD. COLOR TO BE DETERMINED BY OWNER. SUBMITTAL: PRODUCT DATA”

WILLIFORD SPRING COMPLEX PROJECT

All Work at Williford Spring Complex will be completed according to the construction plans titled “Williford Spring Construction Documents,” dated April 2014, as prepared by Genesis Group (Project Number 7137-008) and Attachment A - Scope of Work (see changes to plans below). Changes to the plans are noted on individual plan sheets and are detailed below.

WILLIFORD SPRINGS- (PROJECT AREA 3)

The Work entails the removal and replacement of approximately 110 linear feet of elevated boardwalk along portions of the existing elevated boardwalk leading to Williford Spring. These include a small 16 linear foot, 90-degree spur boardwalk which leads to the picnic pavilion area, as well as a 94-foot ADA accessible ramp from the existing boardwalk leading to the paver terrace. The entire ADA ramp will require ADA handrails (grab bars) as specified in the plans. Concrete work identified within the project area is excluded from this Scope of Work.

CHANGES TO THE WILLIFORD SPRINGS COMPLEX PLANS:

The following changes to the Williford Spring Complex Plans will be incorporated into the Scope of Work as outlined below:

Sheet Number	Change
HS.01	TOP CAP: Any reference to “2”x10” NO.1 KDAT SOUTHERN YELLOW PINE” shall be replaced with “2”X10” NO.2 P.T (KDHT) SOUTHERN YELLOW PINE.
HS.38	<p>Note 1- shall be replaced in its entirety with the following: “1) TREATED WOODS. ALL WOODS SPECIFIED AS PRESERVATIVE TREATED (P.T.) SHALL BE COPPER CHROMATE ARESENATE (CCA). MATERIAL STANDARDS: SHALL COMPLY WITH AWPA STANDARS U1 (CATEGORY UC4B AND UC4C). TREATMENT RETENTION: .80 LB/CF FOR ALL MATERIALS. MOISTURE CONTENT: ALL DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN DRIED, HEAT TREATED (KDHT).”</p> <p>Note 2- shall be replaced in its entirety with the following: “2) LUMBER AND TIMBER GRADES AND STANDARDS: BEAMS, JOISTS, RAILINGS AND POSTS SHALL BE NO. 2 SOUTHERN YELLOW PINE. ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.”</p> <p>Note 8- ALUMINUM PIPE HANDRAIL FABRICATIONS: Insert the following before the first sentence “ALUMINUM PIPE SHALL BE GRADE 6061-T6 (1/8” MIN. WALL THICKNESS)”</p> <p>Note 9- shall be replaced in its entirety with the following: “6) DECKING MATERIAL FOR OUTDOOR BOARDWALKS AND VIEW DECK SYSTEMS: DECKING SHALL BE “TREX” TRANSCEND® 2” SQUARE EDGE BOARD (1.3 in x 5.5 in) COMPOSITE DECKING”. COLOR TO BE DETERMINED BY OWNER. SUBMITTAL: PRODUCT DATA”</p>

PROJECT SCHEDULE AND PHASING OF WORK

The Work can begin no earlier than September 9, 2024, and All Work must be completed by March 31, 2025. The contractor must work to complete each project area before moving on to the next project area to minimize impacts to public access within the project locations.

WORK SITE & DISPOSAL OF MATERIALS

The Contractor will be required to keep the work site clean and free of construction debris and all work materials shall be secured and stored in a neat and organized manner. All construction debris shall be disposed of at an appropriate landfill. The Contractor shall provide scale tickets of disposed debris upon request.

INVOICING

The Contractor may submit invoices for **completed Work** no more frequently than monthly. The District will not pay for stored materials and will only pay for work that has been completed according to the plans and specifications provided. If submitting an invoice for a portion of an individual boardwalk Project, the District will measure the total length of boardwalk section that has been completed and is being invoiced for and divide this by the total project distance and then multiply this by the Lump Sum Bid amount for the specific project to determine the invoice total.

EXHIBIT A

CONTRACTOR'S BID RESPONSE

(Contractor's Bid response to be inserted following bid)

DRAFT

EXHIBIT B

ECONFINA SPRING CONSTRUCTION DOCUMENTS



Econfina Springs Construction Docun

DRAFT

EXHIBIT C

WILLIFORD SPRING CONSTRUCTION DOCUMENTS



Williford Spring Construction Docun

DRAFT

ECONFINA SPRINGS COMPLEX BAY COUNTY, FLORIDA

FOR NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

PARCEL NOS. 04996-000-000 AND 04998-000-000
ZONED CSVH AND CSVR

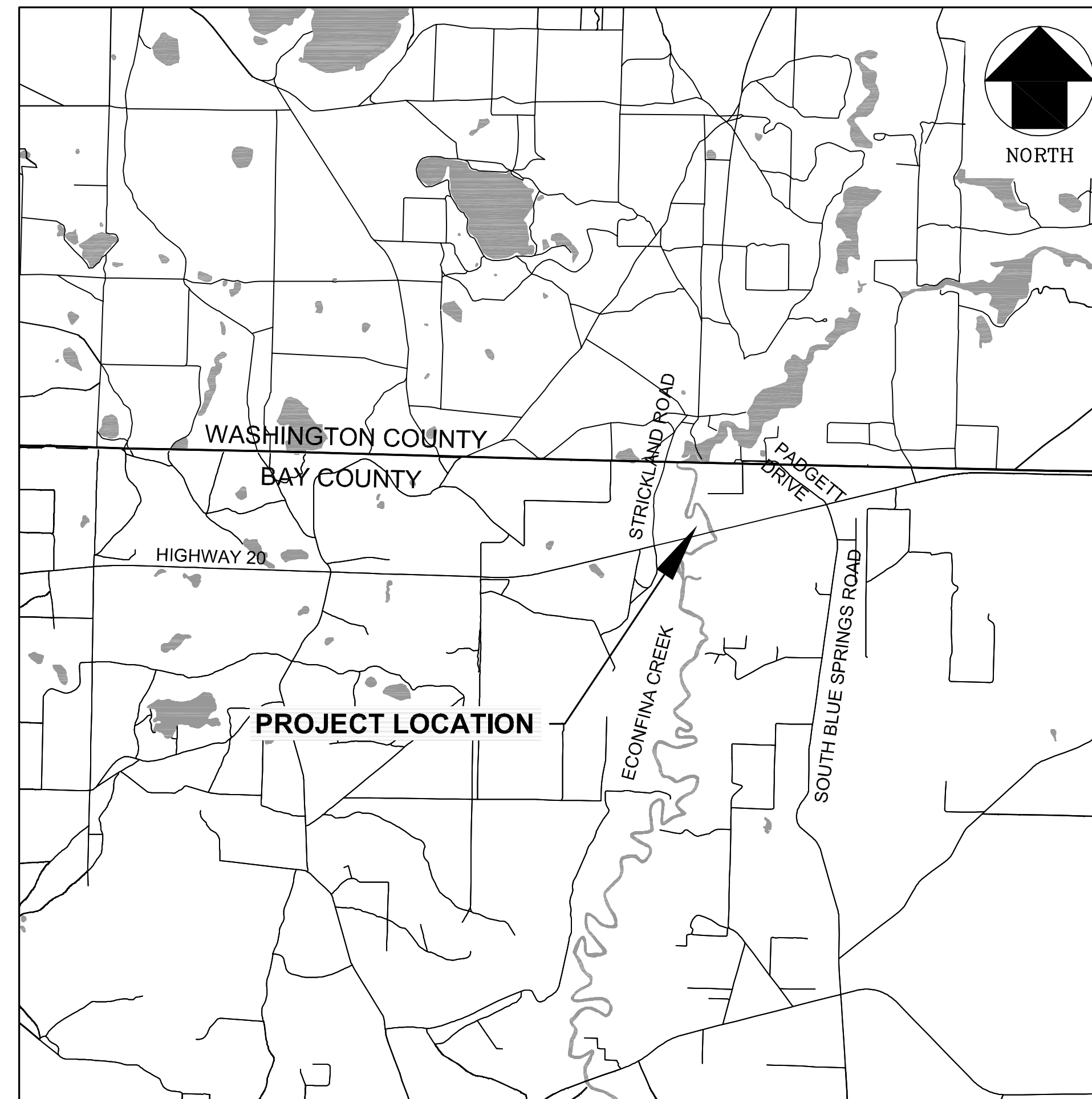
*NIC=Not In Contract

INDEX OF SHEETS

C.01	COVER SHEET
C.01	KEY SHEET
C.02	CONSTRUCTION & DEMOLITION NOTES & DETAILS- NIC
C.03	CONSTRUCTION DETAILS- NIC
C.04-C.07	DEMOLITION/EROSION CONTROL PLANS- NIC
C.08-C.11	SITE PLANS
C.12-C.15	HORIZONTAL CONTROL PLANS NIC
C.16	GRADING AND DRAINAGE PLANS NIC
C.16.1	GRADING SECTIONS PITT SPRING RESTORATION AREA- NIC
C.17-C.19	GRADING AND DRAINAGE PLANS NIC
HS.01-HS.04.03	ELEVATED BOARDWALK PLANS
HS.05-HS.05.01	CANOE AND TUBE DECK PLANS NIC
HS.06-HS.07	CONSTRUCTION DETAILS NIC
HS.08	OVERLOOK DECK / SYLVAN SPRING RESTORATION AREA NIC
HS.09-HS.13	DECK AND STAIR PLANS NIC
HS.14-HS.16	CONSTRUCTION DETAILS NIC
HS.17-HS.18	CONSTRUCTION NOTES AND SPECIFICATIONS
LS.01-LS.02	PLANTING PLAN NIC
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LS.03	BOULDER PLAN PITT SPRING RESTORATION AREA- NIC
LS.04-LS.05	PLANTING PLAN TRAIL REFORESTATION AREAS NIC
LS.05.01-LS.05.02	STREAM BANK RESTORATION DETAILS- NIC
LS.06	PLANTING DETAILS AND SPECIFICATION NIC
A1.1P	PAVILION PLAN, REFLECTED CEILING PLAN, & ELEVATIONS-
A2.1P	PAVILION BUILDING SECTIONS- NIC
A1.1R	RESTROOM-PLANS AND REFLECTED CEILING PLAN
A2.1R	RESTROOM ELEVATIONS NIC
A3.1R	RESTROOM BUILDING SECTIONS NIC
A4.1R	RESTROOM INTERIOR ELEVATIONS- NIC
A5.1R	DETAILS NIC
S0.1	GENERAL NOTES & WIND LOAD- NIC
S1.1P	PAVILION ROOF FRAMING & FOUNDATION PLAN- NIC
S1.2P	PAVILION SECTION & CONNECTION DETAILS- NIC
S1.3P	PAVILION SECTION & FOUNDATION DETAILS- NIC
S1.1R	RESTROOM FOUNDATION PLAN- NIC
S1.2R	RESTROOM DECK FRAMING PLAN NIC
S1.3R	RESTROOM ROOF FRAMING PLAN- NIC
S1.4R	RESTROOM SECTION- NIC
S1.5R	RESTROOM SECTION & ROOF CONNECTION DETAILS- NIC

INCLUDED IN PLANS BY REFERENCE:

FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS (2008)
FLORIDA DEPARTMENT OF TRANSPORTATION,
STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (2007)



LOCATION MAP
N.T.S.

PREPARED FOR:

NORTHWEST FLORIDA
WATER MANAGEMENT DISTRICT
81 WATER MANAGEMENT DRIVE
HAVANA, FL 32333
(850) 539-5999 (850) 539-2777 FAX
www.nwfwmd.state.fl.us

PREPARED BY:



GGI, LLC dba GENESIS GROUP
2507 CALLAWAY ROAD, SUITE 100
TALLAHASSEE, FLORIDA 32303
(850) 224-4400 (850) 681-3600 FAX
FL CA 00009660 FL LB 0006816
www.GenesisGroup.com

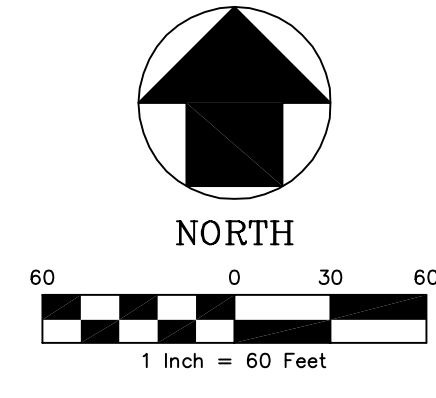
ENGINEER OF RECORD:

Debra Jean Preble, P.E.
License Number: 36152

DATE: 09/11/2009

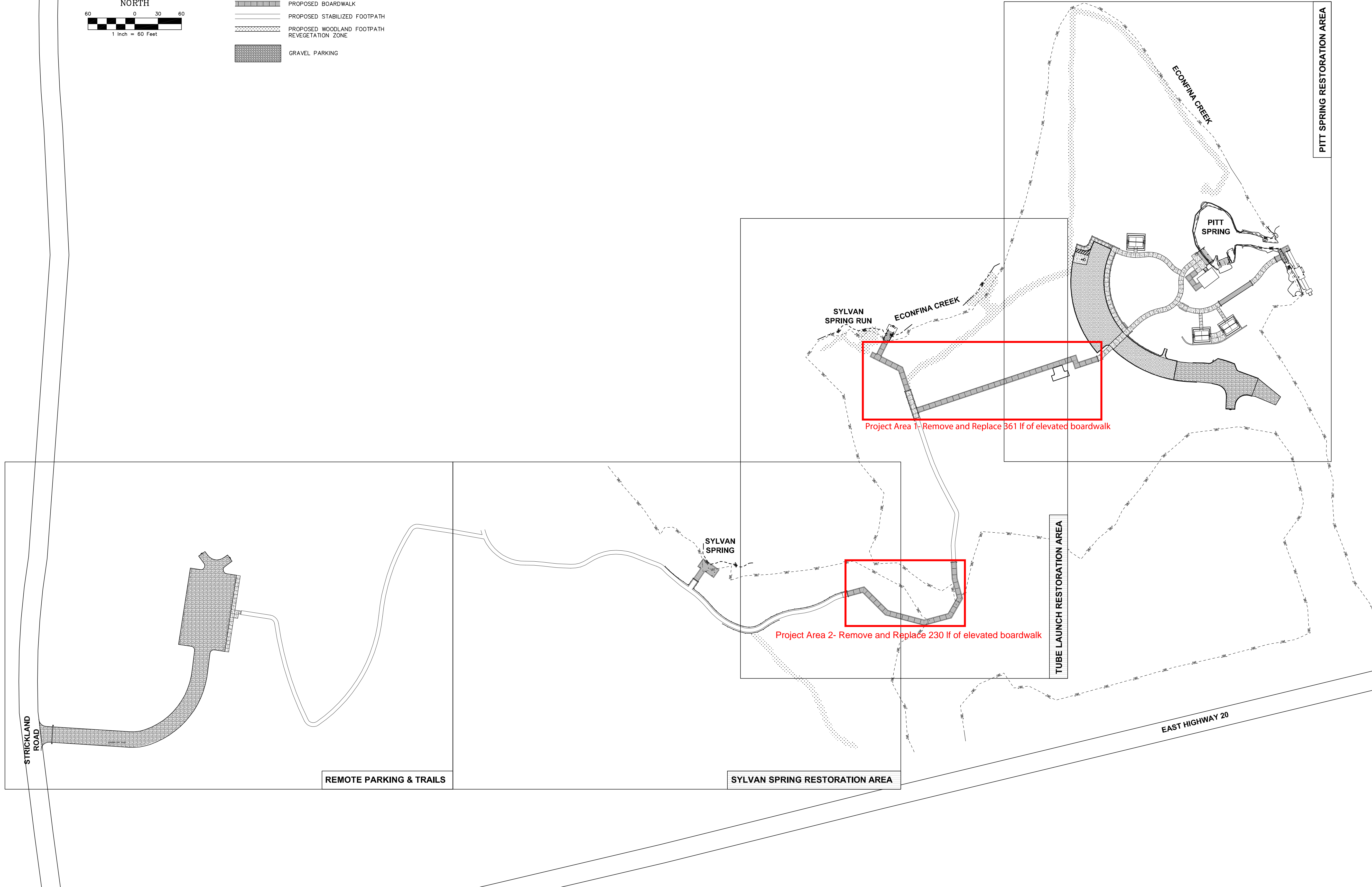
ECONFINA SPRINGS COMPLEX - 7137-004

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LEGEND

	JURISDICTIONAL WETLAND LINE
	WATER'S EDGE
	PROPOSED CONCRETE SIDEWALK
	PROPOSED BOARDWALK
	PROPOSED STABILIZED FOOTPATH
	PROPOSED WOODLAND FOOTPATH REVEGETATION ZONE
	GRAVEL PARKING



NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	REVISIONS
			D.J.P.	M.P.T.	PROJECT NUMBER 7137-004
			S.R.W.	S.R.W.	SCALE: 1" = 60'
					DATE 09/11/2009

GENESIS GROUP
 GGL LLC dba GENESIS GROUP
 2507 CALLAWAY ROAD, SUITE 100
 TALLAHASSEE, FLORIDA 32303
 FLCA 00009660 FLLB 0006816 FLC 26000202 (850) 224-4400 (850) 681-5600 FAX

Northwest Florida Water Management District

PREPARED FOR

SEAL

Diego Jean Prielle, P.E.
License Number 28122

KEY SHEET







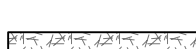
ECONFINA SPRINGS COMPLEX

SHEET TITLE

SHEET NUMBER

C.01

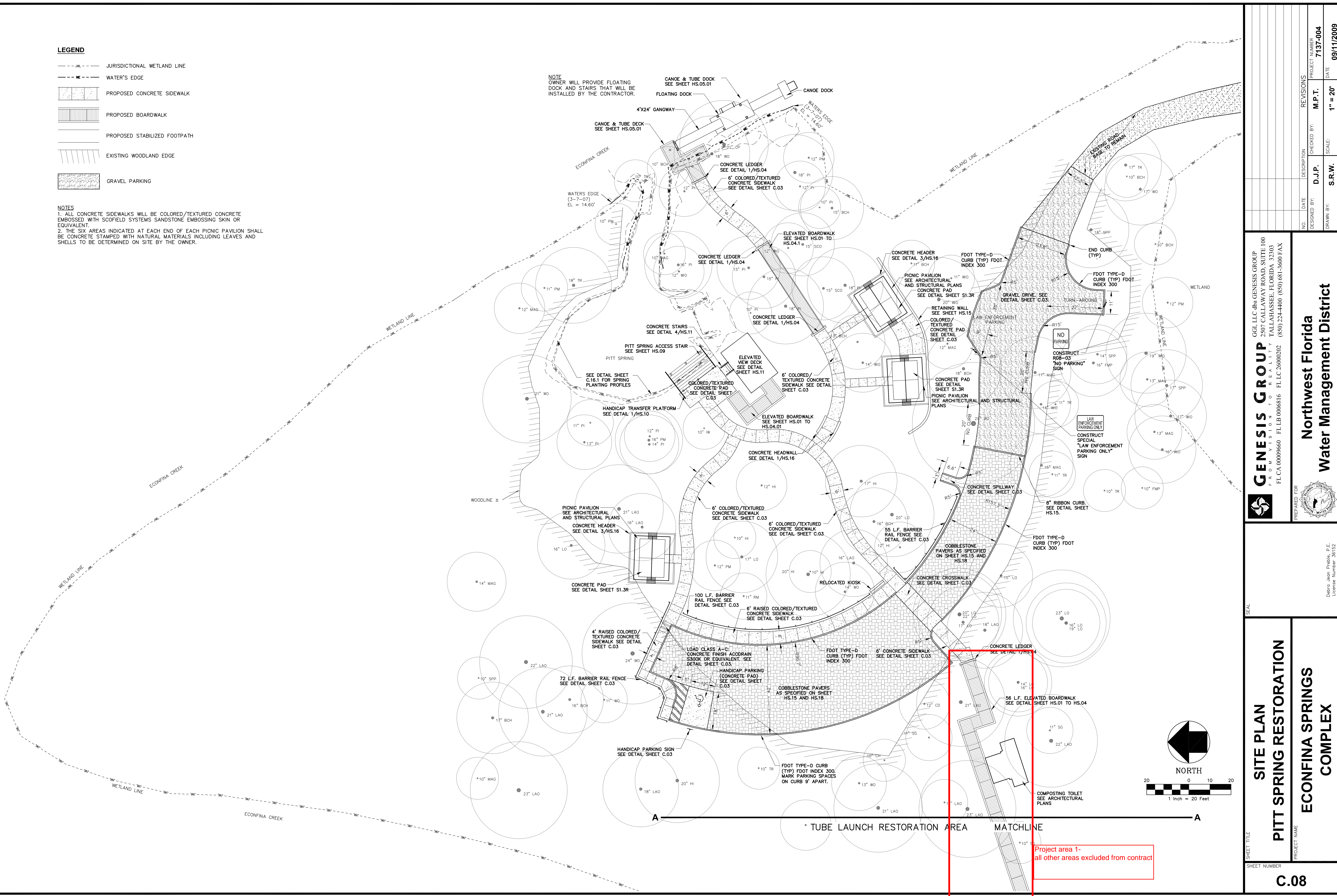
LEGEND

-  JURISDICTIONAL WETLAND LINE
-  WATER'S EDGE
-  PROPOSED CONCRETE SIDEWALK
-  PROPOSED BOARDWALK
-  PROPOSED STABILIZED FOOTPATH
-  EXISTING WOODLAND EDGE
-  GRAVEL PARKING

NOTES

1. ALL CONCRETE SIDEWALKS WILL BE COLORED/TEXTURED CONCRETE EMBOSSED WITH SCOFIELD SYSTEMS SANDSTONE EMBOSING SKIN OR EQUIVALENT.
2. THE SIX AREAS INDICATED AT EACH END OF EACH PICNIC PAVILION SHALL BE CONCRETE STAMPED WITH NATURAL MATERIALS INCLUDING LEAVES AND SHELLS TO BE DETERMINED ON SITE BY THE OWNER.

NOTE
OWNER WILL PROVIDE FLOATING DOCK AND STAIRS THAT WILL BE INSTALLED BY THE CONTRACTOR.



REVISIONS		PROJECT NUMBER	DATE
NO.	DATE	DESCRIPTION	CHECKED BY:
			D.J.P.
			S.R.W.
		SCALE:	1" = 20'
		PROJECT NUMBER	7137-004
		DATE	09/11/2009

GENESIS GROUP
GGL LLC dba GENESIS GROUP
2507 CALLAWAY ROAD, SUITE 100
TALLAHASSEE, FLORIDA 32303
FLCA 00009660 FL LB 0006816 FL LC 26000202 (850) 224-4400 (850) 681-5600 FAX

Northwest Florida Water Management District

PREPARED FOR: 

Dieter Jean Preble, P.E.
License Number 30452

SITE PLAN

PITT SPRING RESTORATION

ECONFINIA SPRINGS COMPLEX

SHEET TITLE

PROJECT NAME

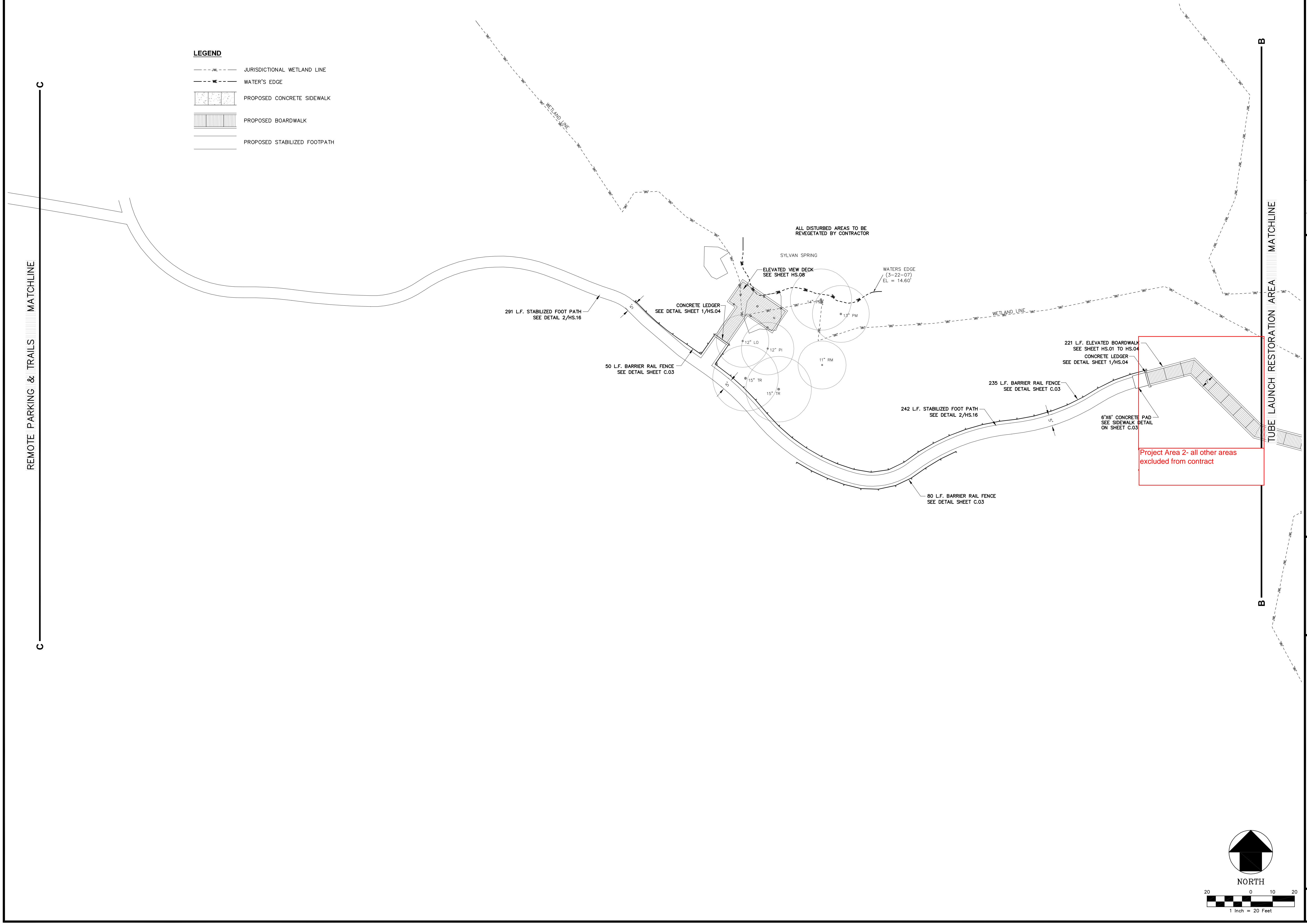
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Project area 1- all other areas excluded from contract

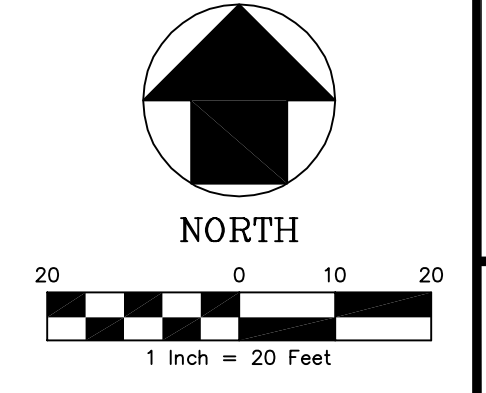
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LEGEND

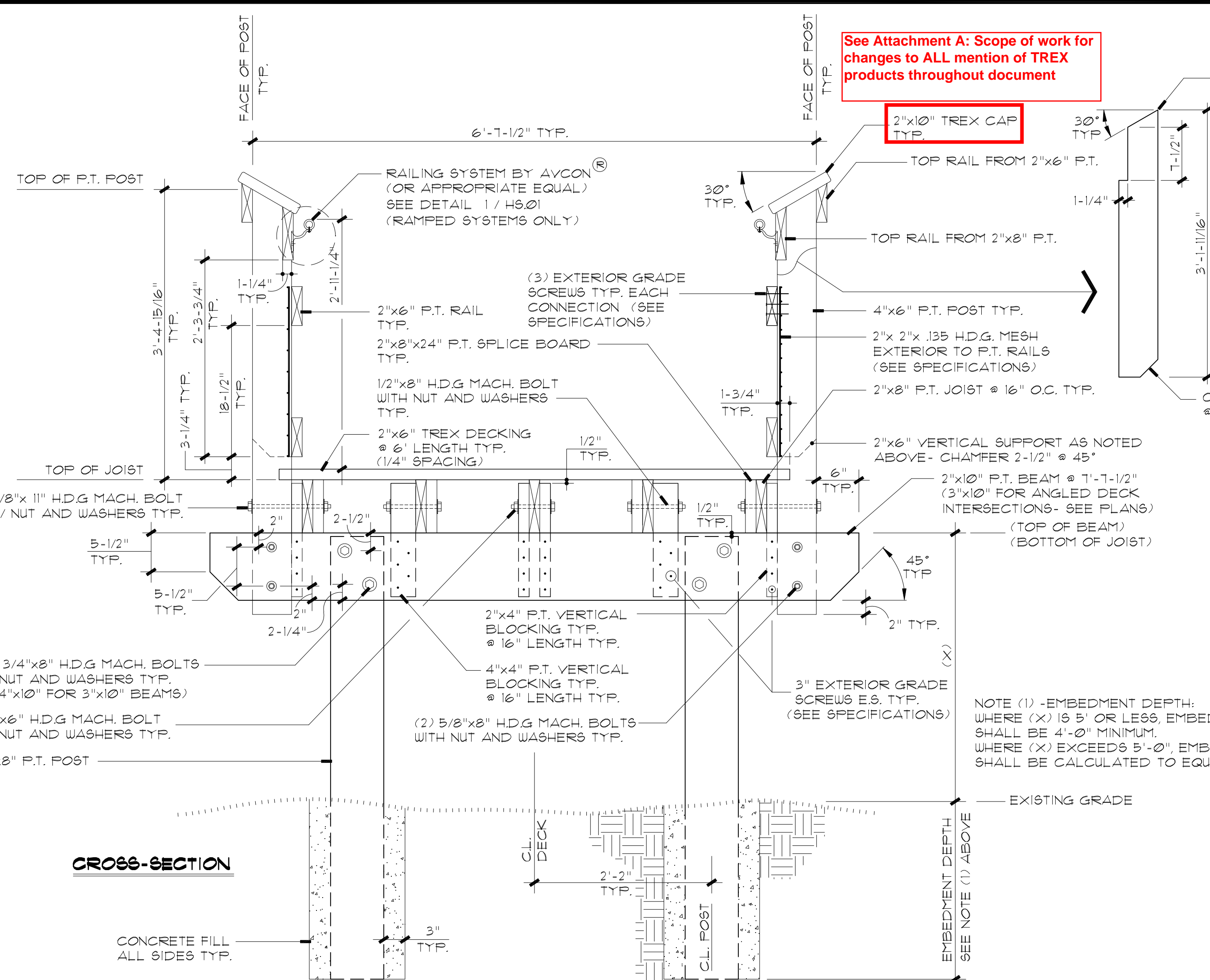
	JURISDICTIONAL WETLAND LINE
	WATER'S EDGE
	PROPOSED CONCRETE SIDEWALK
	PROPOSED BOARDWALK
	PROPOSED STABILIZED FOOTPATH



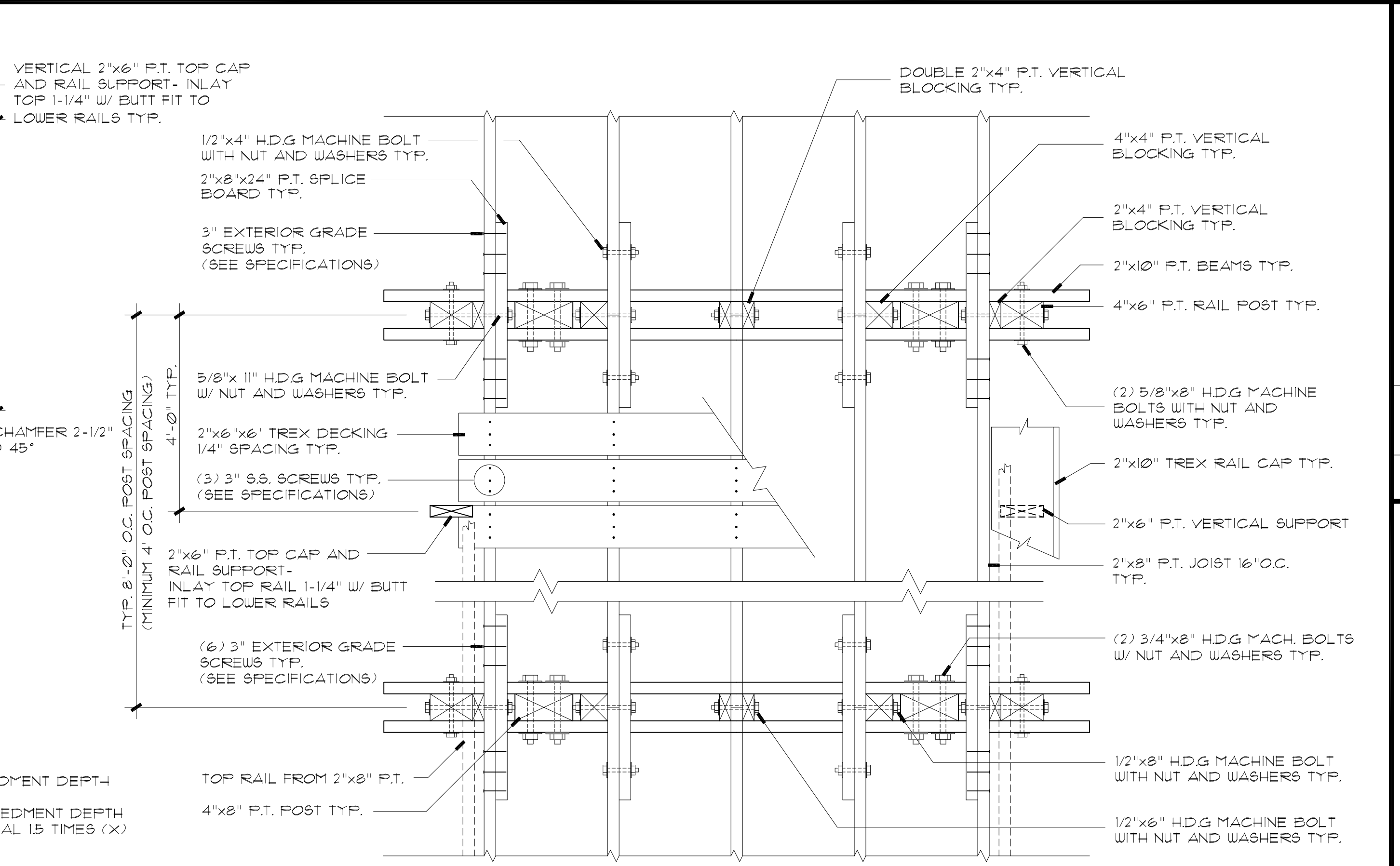
<p>GENESIS GROUP GGL LLC dba GENESIS GROUP 2507 CALLAWAY ROAD, SUITE 100 TALLAHASSEE, FLORIDA 32303 (850) 224-4400 (850) 681-5600 FAX</p>		<p>Northwest Florida Water Management District</p>	
<p>PREPARED FOR Diego Jean Priebbe, P.E. License Number 20422</p>		<p>NO. DATE DESCRIPTION CHECKED BY: D.J.P. REVISIONS DESIGNED BY: S.R.W. DRAWN BY: S.R.W. SCALE: 1" = 20' PROJECT NUMBER: 7137-004 DATE: 09/11/2009</p>	
<p>SHEET TITLE SYLVAN SPRING RESTORATION</p>		<p>PROJECT NAME ECONFINA SPRINGS COMPLEX</p>	
<p>SHEET NUMBER C.10</p>		<p>SEAL</p>	

Project Area 2- all other areas excluded from contract

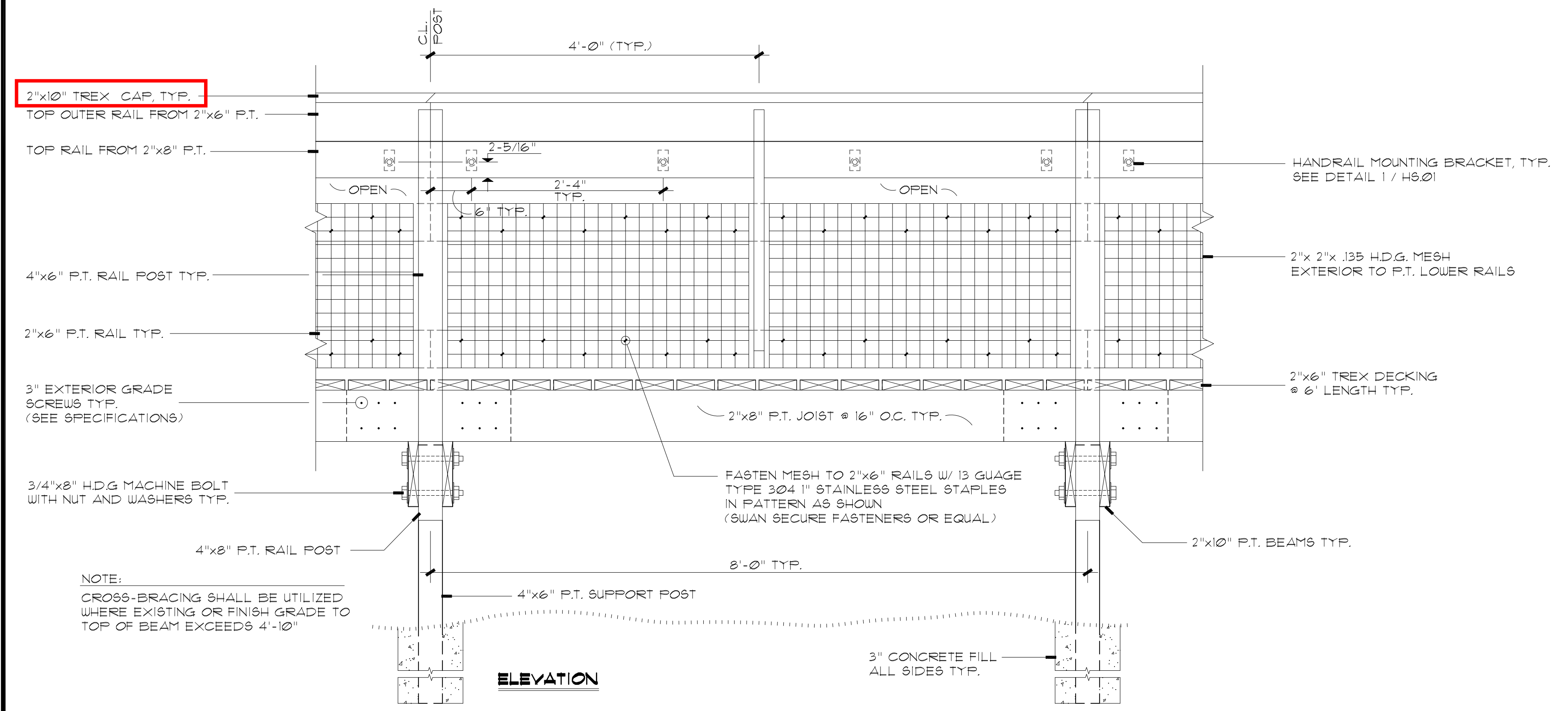
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CROSS-SECTION

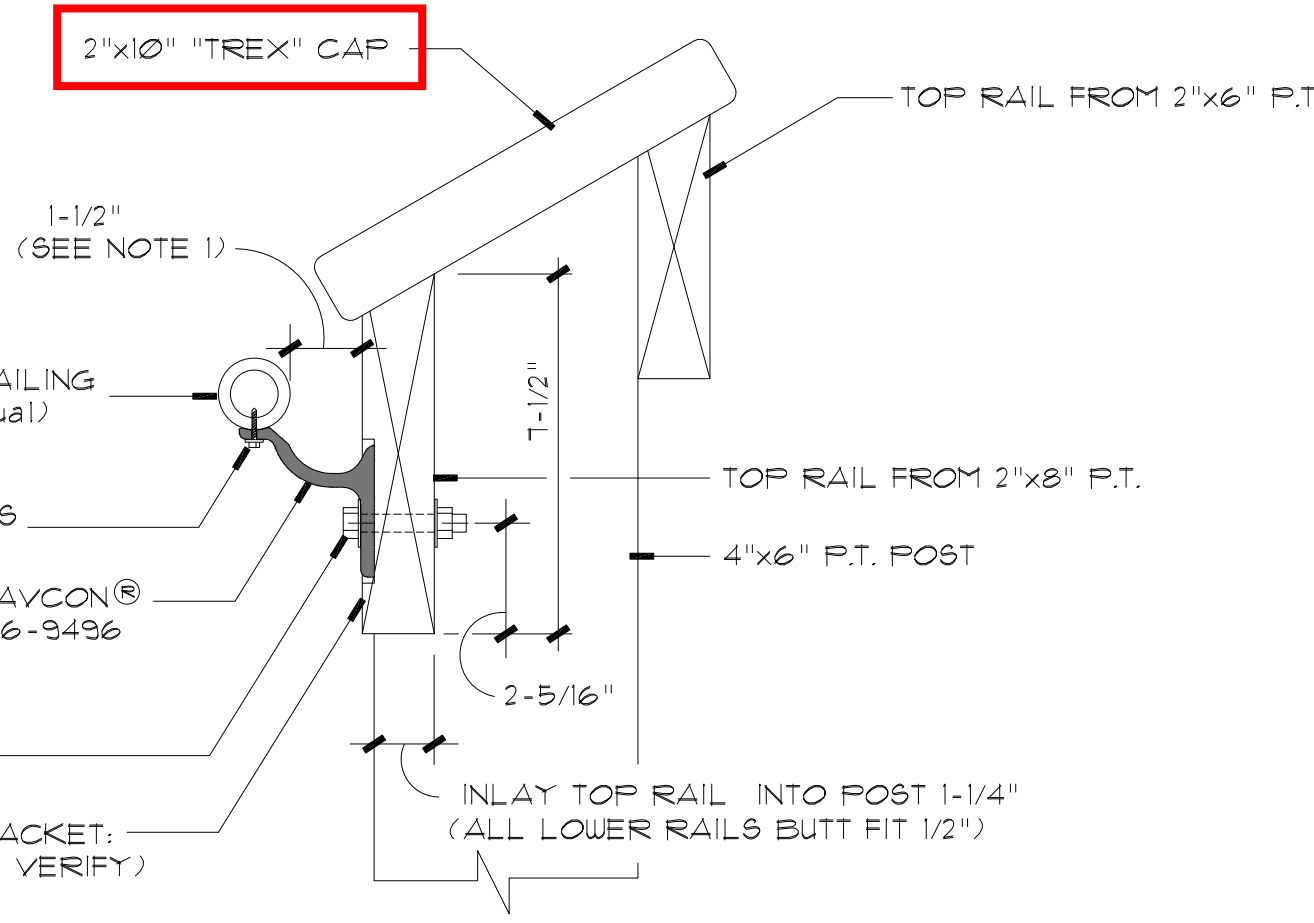


FRAMING PLAN



ELEVATION

TYPICAL ELEVATED BOARDWALK WITH BARRIER RAIL
 SCALE: 1"=1'-0"



ADA HANDRAIL DETAIL
 SCALE: 3"=1'-0"

NOTES:
 1) PER ADA REQUIREMENTS, HANDRAIL SHALL BE ANCHORED TO PROVIDE CLEAR SPACE OF 1-1/2" FROM BACK OF HANDRAIL TO FACE OF 2"x8" MEMBER. INLAY TYPE 2 BRACKET AS REQ'D. TO ACHIEVE 1-1/2" CLEARANCE. INLAYS SHALL BE CONSTRUCTED UTILIZING ROUTER TEMPLATES TO INSURE STRUCTURAL AND VISUAL QUALITY.
 2) ADA HANDRAIL HEIGHT: REF. TYPICAL CROSS-SECTION FOR HEIGHT RELATIVE TO FINISH DECK GRADE.
 3) HANDRAILS ON RAMPS WHICH ARE NOT CONTINUOUS SHALL EXTEND NOT LESS THAN 18" BEYOND THE SLOPED SEGMENT AT BOTH TOP AND BOTTOM, AND SHALL BE PARALLEL TO THE FLOOR OR GROUND SURFACE.
 4) ON RAMPED BOARDWALK SYSTEMS OF 5% AND GREATER SLOPES, CONTINUOUS ADA HANDRAILS ARE REQUIRED ON BOTH SIDES OF THE BOARDWALK BARRIER RAIL. HANDRAILS SHALL BE CONTINUOUS THROUGHOUT, INCLUDING LANDINGS.
 5) ON BOARDWALK SYSTEMS WITH STAIRS, ADA HANDRAILS ARE REQUIRED ON STEP SECTIONS. HANDRAILS SHALL EXTEND AT LEAST 12" BEYOND THE TOP RISER AND AT LEAST 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT THE TOP, THE EXTENSION SHALL BE PARALLEL WITH THE FLOOR OR GROUND SURFACE. AT THE BOTTOM, THE HANDRAIL SHALL CONTINUE TO SLOPE FOR A DISTANCE OF THE WIDTH OF ONE TREAD FROM THE BOTTOM RISER. THE REMAINDER OF THE EXTENSION SHALL BE HORIZONTAL AND PARALLEL WITH THE FLOOR OR GROUND SURFACE.

See Attachment A: Scope of work for changes to ALL mention of TREX products throughout document

NO.	DATE	DESCRIPTION	REVISIONS	CHECKED BY	PROJECT NUMBER
				J.C.P.	7137-004
				J.C.P.	As Noted
				M.I.C.	09/11/2009

GGI LLC, dba GENESIS GROUP
 2507 CALLAWAY ROAD, SUITE 100
 REALITY TALLAHASSEE, FLORIDA 32303
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GENESIS GROUP
 FROM VISION TO REALITY

PREPARED FOR

Northwest Florida Water Management District

Joseph C. Petrick, P.L.L.C.
 License Number 1173

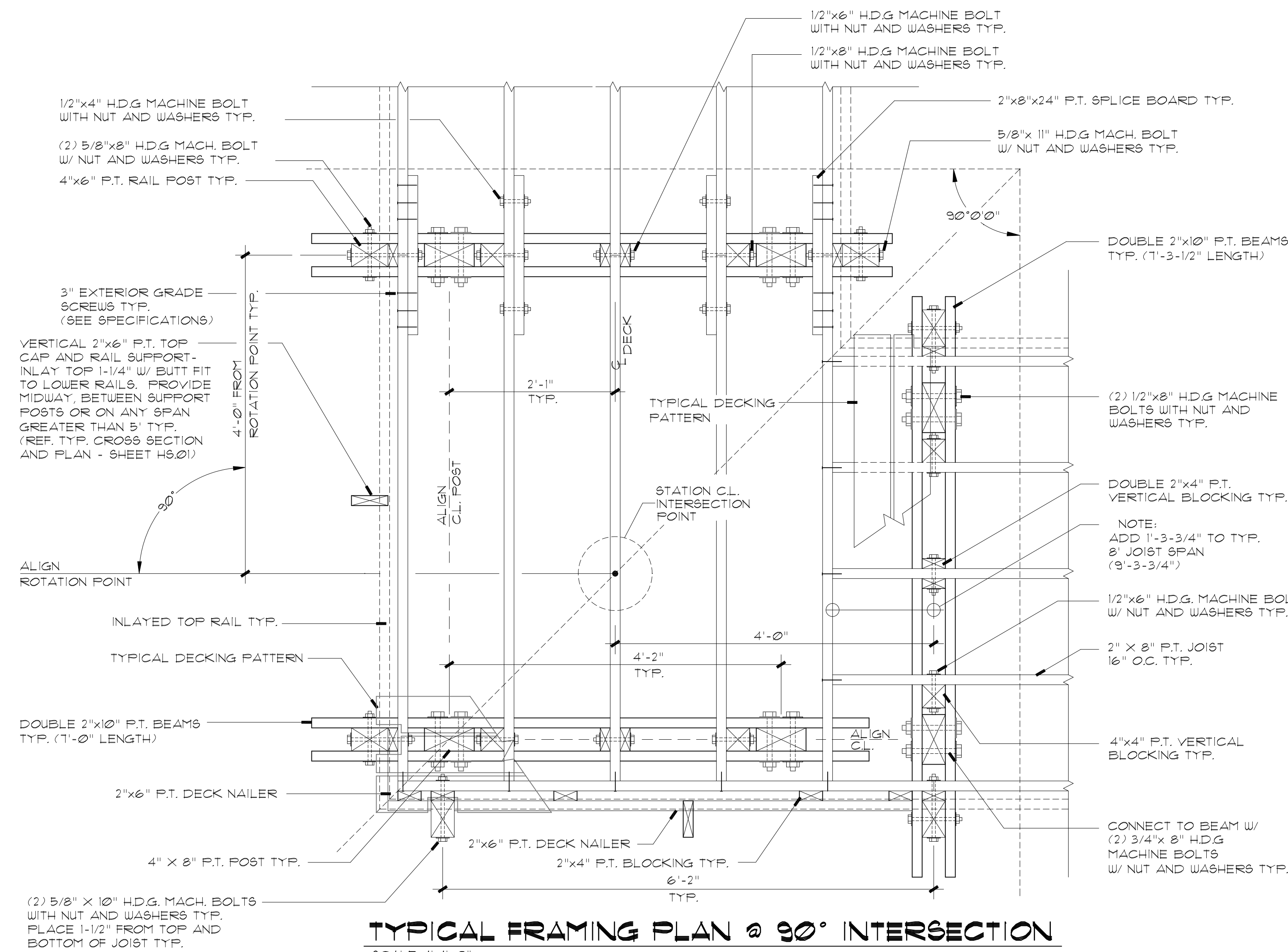
ELEVATED BOARDWALK PLANS

ECONFINA SPRINGS COMPLEX

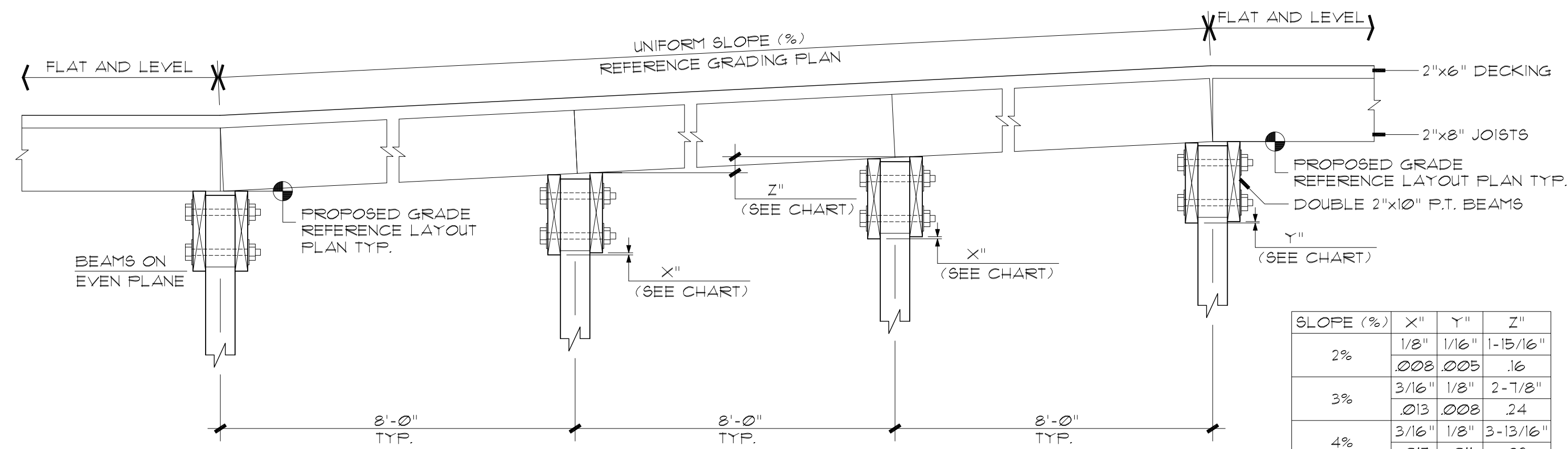
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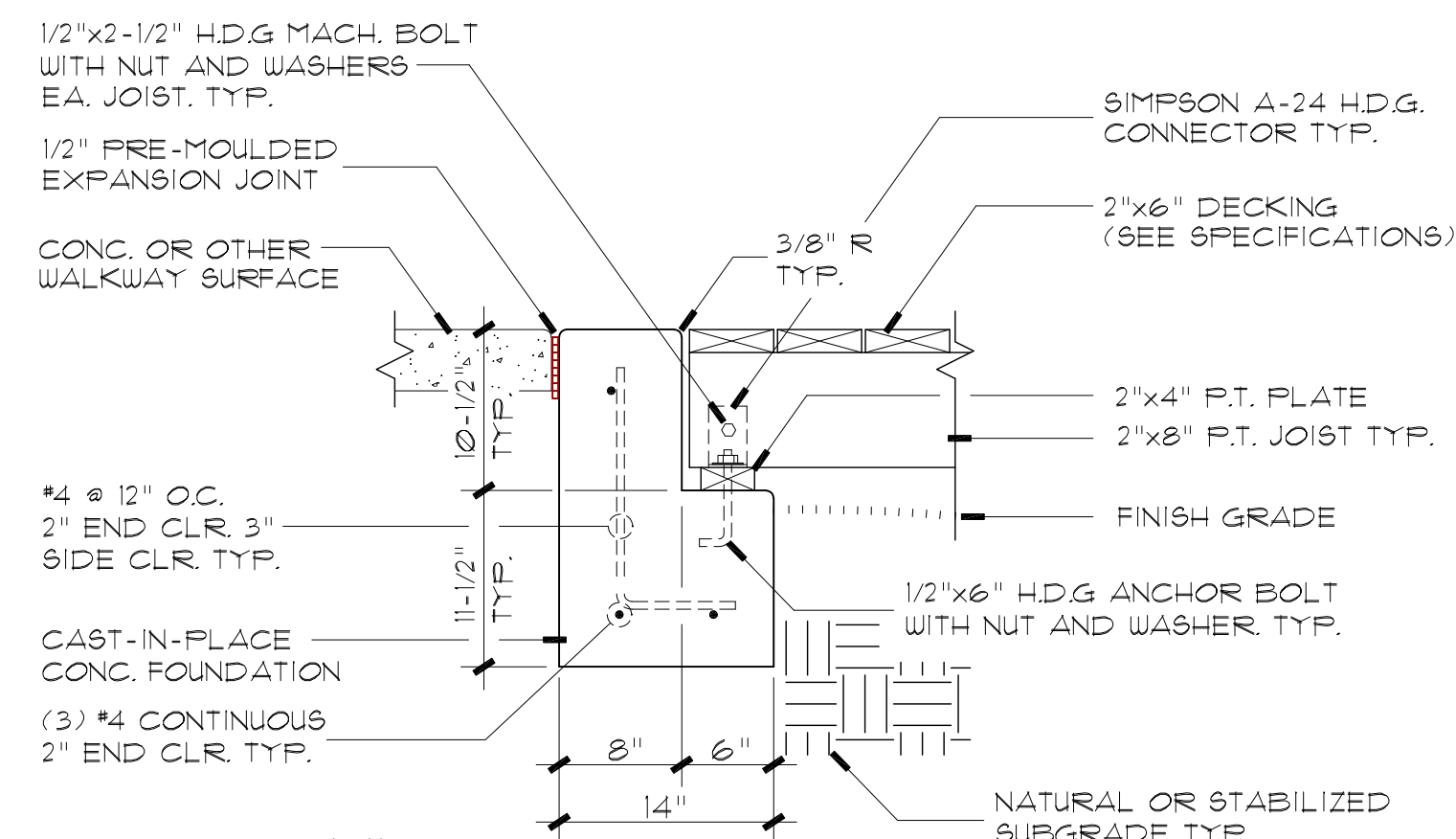
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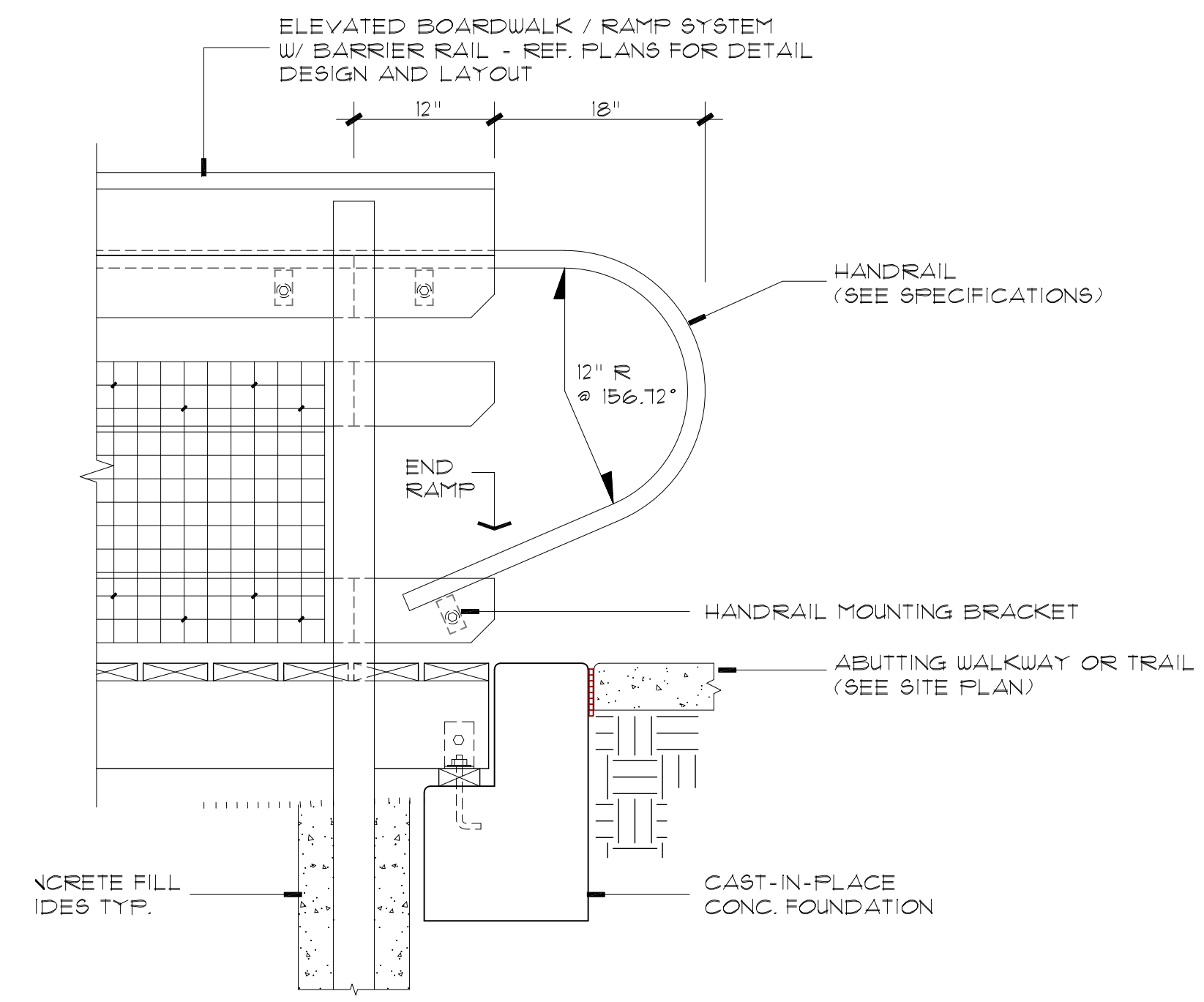
TYPICAL FRAMING PLAN @ 90° INTERSECTION
 SCALE: 1"=1'-0"



TYPICAL BEAM GRADE TRANSITION
 SCALE: 1"=1'-0"



CONCRETE LEDGER
 SCALE: 1"=1'-0"



HANDRAIL TERMINATION @ RAMP
 SCALE: 1"=1'-0"

NO.	DATE	DESCRIPTION	REVISIONS	PROJECT NUMBER
				7137-004
DESIGNED BY:		J.C.P.	CHECKED BY:	J.C.P.
DRAWN BY:		M.I.C.	SCALE:	As Noted
				DATE
				09/11/2009

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Northwest Florida
 Water Management District

PREPARED FOR
 Joseph C. Petrick, P.L.L.C.
 License Number 1173

ELEVATED BOARDWALK PLANS
 ECONFINA SPRINGS
 COMPLEX

SHEET TITLE
 PROJECT NAME

SHEET NUMBER
 HS.04

CONSTRUCTION NOTES AND SPECIFICATIONS - ECONFINA SPRINGS COMPLEX

1) TREATED WOODS: [See Attachment A: Scope of work for changes]

ALL WOODS SPECIFIED AS PRESERVATIVE TREATED (P.T.) SHALL BE ALKALINE COPPER QUATERNARY (ACQ) IN ACCORDANCE WITH NDS REPORT NO. NER-643 AND ICC-ES ESR-1399.
 MATERIAL STANDARDS: SHALL COMPLY WITH AWP.A. STANDARD U1 (CATEGORY U01, U02, U03A, U03B, U04A, U04B), T1.
 TREATMENT RETENTION: 40 LB/CF FOR GROUND CONTACT MATERIALS AND 25 LB/CF FOR NON-GROUND CONTACT MATERIALS.
 MOISTURE CONTENT: ALL 2X-DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN-DRIED AFTER TREATMENT (KDPA).

2) LUMBER AND TIMBER GRADES AND STANDARDS: [See Attachment A: Scope of work for changes]

BEAMS, JOISTS, RAILINGS, AND POSTS SHALL BE NO.1 SOUTHERN YELLOW PINE, UNLESS OTHERWISE NOTED ON DESIGN PLANS.
 ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.
 MOISTURE CONTENT: ALL 2X-DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN-DRIED AFTER TREATMENT (KDPA) TO PREVENT SUBSTANTIAL SHRINKAGE, WARPING, AND GUPPING AFTER INSTALLATION. LUMBER STORED ON-SITE SHALL BE MAINTAINED UNDER PROTECTIVE COVER UNTIL UTILIZED.

SUBMITTALS: MANUFACTURERS CERTIFICATION DATA.

SPECIALTY WOODS PER DESIGN PLANS:
 CYPRESS: CLEAR HEART, STRAIGHT AND TRUE.

3) PRESERVATIVE TREATED SUPPORT POSTS: (NOMINAL 4"x4", 4"x6", 4"x8", 6"x6" AND 8"x8" P.T. MATERIALS)

HORIZONTAL ALIGNMENT:
 POSTS SET IN CONTINUOUS HORIZONTAL ALIGNMENT (STRAIGHT LINES) SHALL MEET THE FOLLOWING ALIGNMENT CRITERIA:
 POST FACES WHEN CHECKED WITH A TAUT STRING LINE SHALL BE WITHIN 1/8", EITHER SIDE OF THE STRING, OVER THE ENTIRE CONTINUOUS RUN.
 ROTATIONAL ALIGNMENT OF INDIVIDUAL POSTS SHALL ALSO BE WITHIN 1/8".

VERTICAL ALIGNMENT:

INDIVIDUAL POSTS SHALL BE PLUMB ON TWO OPPOSING FACES (90 DEGREE CORNERS) WHEN CHECKED WITH A BUILDER'S LEVEL. FINISH TRIMMED POST TOPS, WHERE IN A CONTINUOUS, EVEN ELEVATION OR SLOPED PLANE, WHEN CHECKED WITH A TAUT STRING LINE SHALL BE WITHIN 1/8" EITHER SIDE OF THE STRING LINE.
 FINISH GRADE: FINAL DECK GRADES SHALL BE WITHIN 1/4" OF THE GRADES INDICATED ON THE DESIGN PROFILE OR GRADING PLAN.
 FIELD INSPECTION: PRIOR TO INSTALLATION OF BEAMS, JOISTS OR RAILING COMPONENTS, THE CONTRACTOR SHALL REQUEST AND OBTAIN APPROVAL OF POST LAYOUT AND ALIGNMENT.

4) PILING SYSTEM: COMPOSITE PILES

PILINGS SHALL BE PEARSON, GLASS FIBER REINFORCED, THERMOSETTING PLANTIC PILES (508) 675-0594 (OR APPROVED EQUAL). THE COMPOSITE PILES SHALL BE HOLLOW CYLINDRICAL PILES FABRICATED USING A HIGH VACUUM INFUSION MOLDING PROCESS. THE TOLERANCE OF THE OUTSIDE DIAMETER SHALL BE EQUAL TO OR LESS THAN 1/4". THE EXTERIOR SURFACE SHALL BE HYDROLYTICALLY STABLE, ULTRAVIOLET LIGHT RESISTANT AND SELF-EXTINGUISHING THERMOPLASTIC. GLASS FIBERS SHALL BE E-GLASS (ELECTRICAL GRADE) WITH FILAMENT DIAMETERS BETWEEN 18 AND 26 MICRONS. THE GLASS FABRIC SHALL HAVE A MINIMUM DRY WEIGHT OF 123 OUNCES PER SQUARE YARD PER PLY. ALL LAYERS IN EACH PLY SHALL BE NEEDELED TOGETHER WITH THROUGH-THICKNESS GLASS FIBERS (Z-AXIS) THUS COMPRISING A THREE-DIMENSIONAL FIBER ARCHITECTURE. EACH PLY SHALL CONSIST OF A MINIMUM, 50% AXIAL GLASS FIBERS. THE MATRIX SHALL BE A BISPHENOL-A TYPE EPOXY PRECURSOR THERMOSETTING RESIN THAT WILL BE TRANSPARENT FOR QUALITY CONTROL. THE EXTERIOR SURFACE SHALL BE A PERMANENTLY BONDED, HIGH DENSITY POLYOLEFIN. THIS POLYOLEFIN SHALL BE ABRASION RESISTANT WITH A COEFFICIENT OF FRICTION OF LESS THAN .3 AND BE ULTRAVIOLET LIGHT RESISTANT, HYDROLYTICALLY STABLE AND SUITABLE FOR THE MARINE ENVIRONMENT.

SITE CONDITIONS: THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL SITE CONDITIONS WHERE PILING ARE TO BE PLACED. SITE CONDITIONS FOR THIS PROJECT ARE UNIQUE AND ACCESS IS CONSTRAINED. SOME CONDITIONS MAY REQUIRE LONG REACH BOOMS CAPABLE OF SUSPENDING AND SUPPORTING DRIVING EQUIPMENT OVER WORK ZONES. WATER ACCESS IS AVAILABLE, HOWEVER DRAFT FOR FLOATING EQUIPMENT PLATFORMS MAY BE LIMITING TO USAGE. IT IS ALSO RECOMMENDED THAT THE CONTRACTOR CONSULT THE PILING MANUFACTURER TO FULLY UNDERSTAND PROCEDURES AND THE EQUIPMENT NEEDS NORMALLY ASSOCIATED WITH SETTING COMPOSITE PILES.

GEOTECHNICAL DATA: SUBSURFACE SOIL EXPLORATIONS HAVE BEEN CONDUCTED BY ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL, ENVIRONMENTAL, AND MATERIAL CONSULTANTS. THEIR ANALYSIS AND REPORT ARE AVAILABLE FOR REVIEW BY THE CONTRACTOR.

PILE LENGTH/EMBEDMENT DEPTH:

- FLOATING DOCK AND CANOE DOCK: 12' EMBEDMENT (TIP TO ELEVATION 000) PILE LENGTH MIN. 28'-0".
- CANOE AND TUBE DECK: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.
- STYLVAN SPRING OVERLOOK DECK: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.
- TUBE LAUNCH ACCESS STAIRS: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.
- TUBE LAUNCH DOCK: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.
- PITT SPRING ACCESS STAIR: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.

FILLING PILES: ALL PILES AFTER PLACEMENT SHALL BE FILLED WITH CLEAN FILL SAND. DO NOT FILL UNTIL ALL CONNECTING BRACKETS ARE IN-PLACE AND SECURE. FILL WITH SAND COMPLETELY TO THE TOP AFTER INSTALLATION OF BRACKETS.

PILE CAPS: INSTALL PVC OR OTHER DURABLE MATERIAL MANUFACTURED IN CONE SHAPE FOR CAPPING EXPOSED PILE ENDS. PILE CAPS ARE REQUIRED ON THE FLOATING / CANOE DOCK ONLY, SECURE EACH CAP WITH (8) SELF-TAPPING STAINLESS STEEL FASTENERS.

EROSION CONTROL AND WATER QUALITY: IN WATERS OF THE STATE, INSTALL AND MAINTAIN TURBIDITY BARRIERS IN ACCORDANCE WITH F.D.O.T. INDEX NO. 103.

CONSTRUCTION TOLERANCES: PILES SHALL BE SET TO ACHIEVE CONTINUOUS, STRAIGHT CENTERLINE ALIGNMENT AS INDICATED ON DESIGN PLANS. INDIVIDUAL PILES WITHIN THE ALIGNMENT SHALL BE PLUMB ABOUT THEIR CENTERLINE WHEN CHECKED WITH A PLUMB BOB. CENTERS OF PILES IN CONTINUOUS STRAIGHT RUNS SHALL BE WITHIN 1/4" WHEN CHECKED WITH A TAUT STRING LINE. PILES SHALL BE SPACED AT INTERVALS AND SET TO GRADE AS REQUIRED TO CONFORM WITH TYPICAL DETAILS AND / OR DESIGN SECTIONS. PILING SHALL BE FINISH TRIMMED TO MAINTAIN DESIGN ELEVATIONS LEAVING A NEATLY TRIMMED, EVEN PLAINED AND UN-MARRED SURFACE FOR MOUNTING OF HANGERS CONNECTORS AND FASTENERS. FINISH DECK GRADES SHALL BE WITHIN 1/4" OF GRADES INDICATED ON THE PROFILE, SECTION, OR GRADING PLAN.
 FIELD INSPECTION: PRIOR TO INSTALLATION OF BEAMS, JOISTS, OR BRACING COMPONENTS, THE CONTRACTOR SHALL REQUEST AND OBTAIN WRITTEN APPROVAL OF PILING LAYOUT.

5) ADA HANDRAIL SYSTEMS:

ADA COMPLIANT GRASPING HANDRAILS SHALL BE PROVIDED ON ALL RAMP SYSTEMS OF 5% AND GREATER SLOPE AND ON ALL STAIR SYSTEMS.
 HANDRAILS IN ASSOCIATION WITH WOOD FRAME BARRIER RAILS SHALL BE AS MANUFACTURED BY AVCON, INC., 1451 ROUTE 31, WEST TOPS RIVER, NEW JERSEY 08155 (OR APPROVED EQUAL).
 LOCAL CONTACT: DINO NINASSI (850) 522-1007
 RAILING COMPONENTS SHALL BE EXTRUDED FROM ACRYLONITRILE STYRENE ACRYLATE (ASA) WHICH IS A HIGH PERFORMANCE THERMOPLASTIC.
 STRUCTURAL MOUNTING HARDWARE SHALL BE AS MANUFACTURED BY AVCON UTILIZING STAINLESS STEEL FASTENERS OR AS OTHERWISE SPECIFIED ON DESIGN PLANS.
 HANDRAILS SHALL BE CONTINUOUS THROUGHOUT THE ACCESSIBLE ROUTE, AND INSTALLED ON BOTH SIDES OF A BOARDWALK (OR OTHER ACCESS WAY AS MAY BE SHOWN IN DESIGN PLANS) THROUGH INTERMEDIATE LANDINGS ASSOCIATED WITH THE RAMP SYSTEM AND ON LANDINGS WHERE CHANGES IN DIRECTION OCCUR.
 COLOR: BLACK
 SUBMITTALS: 1) SHOP DRAWINGS FOR ALL CONNECTION, MOUNTING AND TRANSITION DETAILS
 2) MANUFACTURER'S TECHNICAL DATA WITH MATERIAL SAMPLES
 3) SAMPLE OF HANDRAIL MOUNTING BRACKET

ALUMINUM TUBE HANDRAIL FABRICATIONS:

ALUMINUM TUBE SHALL BE IN ACCORDANCE WITH "ALUMINUM FABRICATIONS AND MATERIALS". ALL CONNECTIONS SHALL BE FULLY WELDED AND BUFFED SMOOTH. RADIUS BENDS SHALL BE UNIFORM WITHOUT CREASES OR DEPRESSIONS. ALL EXPOSED ENDS SHALL BE CAPPED, FULLY WELDED AND BUFFED SMOOTH. PROVIDE 3/16" DIAM. DRILLED WEEP HOLES IN BOTTOM OF CONTIGUOUS RAIL SECTIONS TO DISSIPATE CONDENSATION.
 FINISH: MILL FINISH
 SUBMITTALS: SHOP DRAWINGS FOR ALL HANDRAIL FABRICATIONS.

6) DECKING MATERIAL FOR OUTDOOR BOARDWALKS AND VIEW DECK SYSTEMS: [See Attachment A: Scope of work for changes]

DECKING AND SELECTIVE RAILING COMPONENTS SPECIFIED OTHER THAN WOOD SHALL BE "TREX" WOOD-POLYMER COMPOSITE AS MANUFACTURED BY TREX COMPANY, LLC (OR APPROVED EQUAL).
 SUBMITTALS: PRODUCT DATA

TREX COMPANY, LLC
 20 SOUTH CAMERON STREET
 WINCHESTER, VA.
 CONTACT: (800) 289-8739 FOR LOCAL DISTRIBUTOR / DEALERS.

7) BARRIER RAIL MESH:

MESH SHALL BE 2"x2"x135 H.D.G. WELDED WIRE MESH IN 2'x3'-8" PRE-CUT PANELS AS MANUFACTURED BY MANICHOLS CO., (800) 231-3820 (OR APPROVED EQUAL).

8) FASTENERS:

ALL FASTENERS SHALL BE GRADE 316 STAINLESS STEEL (6.8.) UNLESS OTHERWISE NOTED ON DESIGN PLANS OR STATED HEREIN FOR A SPECIFIC APPLICATION. WOOD CONNECTIONS: WOOD CONNECTIONS SHALL UTILIZE RING SHANK STAINLESS STEEL NAILS OR SCREWS WITH COUNTERSINKING HEADS OF APPROPRIATE SIZE, LENGTH AND TYPE FOR THE INTENDED CONNECTION. (WIRE STAPLES SHALL NOT TO BE USED)
 FREE APPROVED SOURCES FOR FASTENERS: SWAN SECURE PRODUCTS (800) 366-2801 www.swansecure.com

SCREWS: WHERE SPECIFIED FOR DECKING INSTALLATION ON BOARDWALKS OR VIEW DECKS, SCREWS SHALL BE R4 MULTI-PURPOSE AS MANUFACTURED BY BANNER ELK TRADING COMPANY, ATLANTA GA. (871) 909-8515 (OR APPROVED EQUAL). R4 SCREWS FOR DECKING INSTALLATION SHALL BE GRADE 305, PH HARDENED WITH TORX DRIVE, SELF COUNTERSINKING HEADS AND TYPE 11 SELF-TAPPING POINTS. SCREW SIZE FOR DECKING AND RAILING INSTALLATION SHALL BE 10 GAUGE, 3-1/2" LENGTH.

EXECUTION: WHERE NAILS AND / OR SCREWS ARE SPECIFIED FOR WOOD CONNECTIONS, PRE-DRILLING IS REQUIRED TO MINIMIZE SPLITTING. THIS SPECIFICALLY APPLIES TO HANDRAIL AND DECKING COMPONENT (TREX) INSTALLATION. PRE-DRILL ONLY, THE MEMBER TO BE SECURED- DRILL SIZE SHALL BE GAUGED TO ALLOW FULL THREAD PENETRATION.
 SUBMITTALS: MANUFACTURERS CERTIFICATION DATA AND SAMPLES OF PROPOSED FASTENERS.

NAILS AND SCREWS SHALL NOT PROTRUDE FROM VISIBLY EXPOSED SURFACES.

9) STEEL HANGERS AND CONNECTORS:

ALL PREFABRICATED HANGERS AND CONNECTORS SHALL BE "Z-MAZ" COATING AS MANUFACTURED BY SIMPSON STRONG-TIE CO., INC. (OR APPROVED EQUAL) UNLESS OTHERWISE NOTED ON DESIGN PLANS.
 SHOP FABRICATED STEEL PLATE CONNECTORS AND SUPPORT SYSTEMS: CONSTRUCT WITH GAUGES SPECIFIED ON DESIGN PLANS AND HOT-DIPPED GALVANIZED MEETING ASTM A153. ALL BENDING, DRILLING AND WELDING SHALL BE COMPLETED PRIOR TO GALVANIZING. ALL MATERIALS UTILIZED FOR FABRICATIONS SHALL BE PREPARED BY SAW CUTTING OR SHEARING - EDGES SHALL BE CLEAN, FREE OF BURRS AND TRUE TO DIMENSION.
 SUBMIT SHOP DRAWINGS FOR ALL SHOP FABRICATED HANGERS, CONNECTORS AND STEEL SUPPORT SYSTEMS.

BOLTS AND BOLTING: ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED UNLESS OTHERWISE SPECIFIED ON DESIGN PLANS. BOLT HEAD AND NUT SHALL BE DRAIN DOWN SECURELY TO THE FACE OF THE MEMBER BEING SECURED. MACHINE BOLT (HEX BOLT) INSTALLATION SHALL INCLUDE ONE WASHER AT HEAD AND THREADED ENDS WHERE IN DIRECT CONTACT WITH A WOOD SURFACE. NO WASHER IS REQUIRED WHERE MACHINE BOLT HEAD OR NUT BEAR TO THE FACE OF METAL HANGERS, UNLESS OTHERWISE SHOWN OR SPECIFIED ON DESIGN PLANS. CARRIAGE BOLTS, WHERE SPECIFIED, SHALL UTILIZE A SINGLE WASHER AT THE THREADED ENDS. GENERALLY, NO BOLT END SHALL PROTRUDE FROM THE WOOD CONNECTION GREATER THAN THREE TIMES ITS DIAMETER. BOLTS OF APPROPRIATE LENGTH SHALL BE INSTALLED - SAW CUTTING BOLT ENDS TO OBTAIN PROPER PROJECTION IS NOT ACCEPTABLE. THREADED ROD SHALL NOT BE USED IN LIEU OF BOLTS.

GALVANIZED HARDWARE: BOLTS, NUTS, AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A153.
 HOT-DIPPED GALVANIZING: SHALL BE A ZINC COATING APPLIED BY DIPPING INTO A MOLTEN BATH OF ZINC AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A123, A143, AND A384.
 STAINLESS STEEL HARDWARE: SHALL BE TYPE 316, UNLESS OTHERWISE NOTED ON PLANS.

EXECUTION:

HOLES FOR BOLTS AND LAGS: HOLES FOR THROUGH BOLTING IN WOOD SHALL BE BORED WITH A BIT OF THE SAME DIAMETER AS THE BOLT. HOLES FOR LAGS SHALL BE BORED WITH A BIT NO LARGER THAN THE BODY OF THE SCREW AT THE BASE OF THE THREAD.
 NAIL & SCREWS SHALL NOT PROTRUDE FROM VISIBLY EXPOSED SURFACES.

10) CONCRETE:

CONCRETE: (DESIGN PER CURRENT EDITION ACI 318)
 SLAB ON GRADE: FC-3000 PSI
 ROADWAY HEADERS AND PAVEMENTS: FC-4000 PSI
 ALL OTHER CONCRETE: FC-3000 PSI
 ALL CONCRETE SHALL BE PROPORTIONED, MIXED, PLACED, FINISHED, AND CURED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, LATEST EDITION.
 CEMENT: ASTM C150 LATEST EDITION
 AGGREGATES: ALL AGGREGATES SHALL CONFORM TO ASTM C33 LATEST, CLASS 48.

FINE AGGREGATE: SHALL BE WASHED NATURAL SAND, CLEAN, SOUND, SHARP, SCREENED, AND WELL-GRADED WITH NO GRAIN LARGER THAN WILL PASS A NO. 4 SIEVE.
 NOT LESS THAN 15%, NOR MORE THAN 30% BY WEIGHT SHALL PASS A NO 50 SIEVE. NO FINE AGGREGATE SHALL BE USED IF IT CONTAINS MORE THAN 1% BY WEIGHT OF DELETERIOUS SUBSTANCES OR WHICH SHOWS A COLOR DARKER THAN PLATE 2 WHEN TESTED ACCORDING TO ASTM C40 LATEST.

COARSE AGGREGATE: SHALL BE WASHED, HARD, TOUGH, AND DURABLE SCREENED GRAVEL OR CRUSHED STONE HAVING NO MORE THAN 5% BY WEIGHT OF DELETERIOUS SUBSTANCES AND SOFT FRAGMENTS. AGGREGATE SHALL BE WELL GRADED FROM THE LARGEST WHICH SHALL PASS A 1" MESH TO THE SMALLEST WHICH SHALL PASS A 3/8" MESH AND BE RETAINED BY A 1/4" MESH. ABRASION LOSS SHALL NOT EXCEED THE PERCENTAGES CONTAINED IN ASTM C33 LATEST, WHEN TESTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED THEREIN. NO COARSE AGGREGATE SHALL BE USED IF IT CONTAINS MORE THAN 1% SILT OR WHICH SHOWS A COLOR DARKER THAN PLATE 1 WHEN TESTED ACCORDING TO ASTM C40 LATEST.

WATER: MIXING WATER FOR CONCRETE SHALL BE CLEAN, FRESH, AND SUITABLE FOR DRINKING AND SHALL NOT CONTAIN INJURIOUS AMOUNTS OF OIL, ACID, ALKALI, ORGANIC MATTER, OR OTHER DELETERIOUS SUBSTANCES, EXCEPT AS SPECIFICALLY APPROVED BY THE ENGINEER.

QUALITY CONTROL: CONCRETE, WHEN PLACED, SHALL BE OF A PLASTIC CONSISTENCY SUCH THAT IT CAN BE READILY WORKED INTO ALL PARTS OF THE FORMS AND AROUND EMBEDDED ITEMS WITHOUT SEGREGATION OF MATERIALS OR ACCUMULATION OF FREE WATER ON THE SURFACE. EXCEPT AS MAY BE SPECIFIED FOR SPECIAL FINISHES, SLUMP AS MEASURED IN ACCORDANCE WITH ASTM C143, LATEST, SHALL BE AS FOLLOWS:
 4000 PSI: NOT LESS THAN 1-1/2" AND NOT MORE THAN 3-1/2".
 3000 PSI: NOT LESS THAN 2" AND NOT MORE THAN 5".

CONCRETE JOINTING: CONCRETE JOINTING AND JOINT LAYOUT SHALL BE IN ACCORDANCE WITH ACI 330 UNLESS OTHERWISE SHOWN BY DESIGN DETAIL.

SPECIALTY CONCRETE WORK: SYSTEM DESIGN FOR CONCRETE COLORING, TEXTURING, STAMPING, INCLUDING RELEASING AGENTS, COLOR HARDENERS AND CURING AGENTS SHALL BE SCHOFIELD SYSTEMS (OR APPROVED EQUAL), DOUGLASVILLE, GEORGIA, (800) 800-9900.

11) REINFORCEMENT:

REINFORCING STEEL: ASTM A615, GRADE 60
 WELDED WIRE FABRIC: ASTM A105
 UNLESS OTHERWISE NOTED ON DESIGN PLANS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:
 FOOTINGS: 3"
 COLUMNS AND PEDESTALS: 2"
 SLABS ON GRADE: 2" FROM TOP
 ALL REINFORCEMENT SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 318 DURING PLACING OF CONCRETE.
 UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS:
 WELDED WIRE FABRIC: WIRE SPACING PLUS 6"
 REINFORCING BARS: 48 BAR DIAMETERS
 ALL HOOKS IN REINFORCING BARS SHALL BE PER ACI STANDARDS, UNLESS OTHERWISE NOTED.
 DOUELS WHERE INDICATED SHALL BE PLACED AND SECURED PRIOR TO CONCRETE PLACEMENT.

12) FOUNDATIONS:

IF FOOTING ELEVATIONS INDICATED ON DESIGN PLANS OCCUR IN A DISTURBED, UNSTABLE, OR UNSUITABLE SOIL, THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED.

13) CONCRETE MASONRY: (DESIGN PER CURRENT EDITION ACI 530)

COMPRESSIVE STRENGTH: FM-1500 PSI
 MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES"-ACI 530.1/ASCE 6 (LATEST EDITION) EXCEPT AS MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS: ASTM C90, TYPE II HOLLOW CONCRETE MASONRY UNITS.
 AGGREGATE FOR MASONRY MORTAR: ASTM C144.
 SOLID LOAD-BEARING CONCRETE MASONRY UNITS: ASTM C145.
 MORTAR FOR UNIT MASONRY: ASTM C270.
 GROUT FOR MASONRY: ASTM C416.


INSPECTION: IN ACCORDANCE WITH ACI 530-98 QUALITY ASSURANCE LEVEL 2.
 SUBMITTALS: MATERIAL CERTIFICATIONS, PRODUCT DATA.
 EXECUTION:
 ALL CUTTING OF MASONRY UNITS SHALL BE DONE WITH MOTOR DRIVEN SAW EQUIPMENT TO PROVIDE CLEAN, SHARP, UNCHIPPED EDGES.

September 11, 2009 06:03:02 EST
 PROJECT: 151219-004 - ECONFINA SPRINGS CD'S, ECONFINA SPEC'D

NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	PROJECT NUMBER
			J.C.P.	J.C.P.	7137-004
					DATE
					09/11/2009

GGI, LLC dba GENESIS GROUP
 2507 CALLAWAY ROAD, SUITE 100
 TALLAHASSEE, FLORIDA 32303
 FL CA 00009660 FL LB 00008616 FL LC 26000202 (850) 224-4400 (850) 681-3600 FAX

GENESIS GROUP
 FROM VISION TO REALITY

PREPARED FOR


Northwest Florida Water Management District

Joseph C. Petrich, R.L.A.
 License Number: 1173

SHEET TITLE
CONSTRUCTION NOTES AND SPECIFICATIONS

PROJECT NAME
ECONFINA SPRINGS COMPLEX

SHEET NUMBER
HS.17

CONSTRUCTION NOTES AND SPECIFICATIONS (CONTINUED) - ECONFINA SPRINGS COMPLEX

14) SUPPLEMENTARY NOTES: PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.

GENESIS GROUP OR ANY OF ITS EMPLOYEES SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCES FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSONS PERFORMING THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3-1/4" MINIMUM FOR 3/4" BOLTS IN CONCRETE, 5-1/4" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL.

EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM (RE 500 IF HOLE IS CORED INSTEAD OF DRILLED) BY HILTI OR APPROVED EQUAL, UON. EMBEDMENT SHALL BE 12 BAR DIAMETER MINIMUM, UON. HOLES SHALL BE 1/4" LARGER THAN REBAR SIZE AND 1/8" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.

15) ARCHITECTURAL PRECAST CONCRETE MATERIALS: (RETAINING WALL, COPING)
 ALL ARCHITECTURAL PRECAST MATERIALS SHALL BE MIN. 5000 PSI. PRECAST CONCRETE MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C 90 AND SHALL POSSESS UNIFORM COLOR COMPOSITION THROUGHOUT THE MATERIAL.
 COLOR: SUBMIT SAMPLES FOR APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE.
 SEALER: ALL PRECAST MATERIALS SHALL RECEIVE (2) APPLICATIONS INDUSTRIAL CONCRETE SEALER AFTER INSTALLATION. (SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO APPLICATION).
 SHIPMENT: ALL PRECAST MATERIALS SHALL BE PROTECTED FROM SURFACE ABRASION, CRACKING AND CHIPPING DURING SHIPMENT. ALL MATERIALS SHALL BE CLEARLY LABELED AND KEYED TO MATCH DESIGN PLANS OR APPROVED SHOP DRAWING SUBMITTALS. ALL MATERIALS SHALL BE PALLETIZED AND SECURELY BOUND FOR SHIPMENT AND SITE DELIVERY.

SUBMITTALS:
 1) SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF PRECAST COMPONENTS.
 2) MATERIAL SAMPLES: ONE SAMPLE REPRESENTATIVE OF EACH PRECAST MATERIAL OR COLOR. (APPROXIMATE SIZE 1-1/2" THICK X 3" SQUARE)
 MANUFACTURERS:

PRE-APPROVED MANUFACTURERS INCLUDE THE FOLLOWING:
 -ST. AUGUSTINE CAST STONE (904) 794-2626 CONTACT: STEVE CARCABA
 -PEDRONI CAST STONE (904) 783-1690 CONTACT: CRAIG PEDRONI

16) CONCRETE PAVERS:
 PAVERS SHALL CONFORM TO ASTM C 936 - WITH UNIT THICKNESS OF 3-1/8" FOR VEHICULAR AREAS.
 PRIMARY PAVER: SHALL BE A 3-PART COBBLE STONE ASSEMBLY IN BUFF AND TAN BLEND EQUAL TO TREMIRON MEGA OLDE TOUN.
 SUBMITTALS: MATERIAL CERTIFICATIONS, PRODUCT DATA AND COLOR SAMPLES.

MATERIALS:
 BASE MATERIAL: SHALL BE HIGH QUALITY, CRUSHED, DENSE-GRADED AGGREGATE (# 57 STONE) CONFORMING TO ASTM 2940. COMPACTION SHALL BE IN ACCORDANCE WITH ASTM D 698 TO MIN. 95% MAXIMUM DENSITY.
 PAVER BEDDING MATERIAL: GRANITE SCREENINGS OR SILICA SAND
 GRANITE SCREENINGS:
 M10D
 92% PASSING NO. 4 SIEVE
 75% PASSING NO. 10 SIEVE
 45% PASSING NO. 40 SIEVE
 28% PASSING NO. 80 SIEVE
 12% PASSING NO. 200 SIEVE
 SILICA SAND:
 SHALL BE COMPOSED OF NATURALLY OCCURRING, HARD, STRONG, DURABLE, UNCOATED GRAINS OF QUARTZ. A WELL GRADED, CLEAN, WASHED, SHARP SAND WITH 100% PASSING A 3/8" SIEVE AND A MAXIMUM OF 3% PASSING A NO. 200 SIEVE. SAND TYPE IS COMMONLY KNOWN AS MANUFACTURED CONCRETE SAND. MASON SAND IS NOT ACCEPTABLE.

JOINT SAND:
 SAND USED FOR SWEEPING AND FILLING OF PAVER JOINTS SHALL BE CLEAN, NON-PLASTIC, AND FREE FROM DELETERIOUS OR FOREIGN MATTER. THE SAND SHALL BE MANUFACTURED FROM CRUSHED ROCK. GRADING OF SAMPLES SHALL BE DONE IN ACCORDANCE WITH ASTM C136. THE PARTICLES SHALL BE SHARP AND CONFORM TO THE GRADING REQUIREMENTS OF ASTM C33.
 EXECUTION:
 BASE MATERIAL (#57 STONE) SHALL BE GRADED AND COMPACTED TO PROVIDE A UNIFORM AND EVEN THICKNESS OF BEDDING MATERIAL. BEDDING MATERIAL SHALL NOT BE UTILIZED TO CORRECT UNEVEN DEPRESSIONS IN BASE MATERIAL.
 BEDDING MATERIAL SHALL INSTALLED TO THE THICKNESS AS SPECIFIED PER DESIGN DETAIL. AFTER COMPACTION AND PLACEMENT, PAVERS SHALL BE FLUSH OR SLIGHTLY RAISED ABOVE ABUTTING CONCRETE PAVEMENTS OR HEADERS. PAVERS SHALL NOT EXCEED 1/8" UNIT TO UNIT OFFSET FROM FLUSH AND A TOLERANCE OF 3/16" IN 10 FEET IN SURFACE FINISH WHEN CHECKED WITH A 10' STRAIGHT EDGE.

17) ALUMINUM FABRICATIONS AND MATERIALS:
 ROUND TUBE: GRADE 6061-T6 (MIN. WALL 1/8")
 ALUMINUM PIPE: GRADE 6061-T6
 RECTANGULAR AND SQUARE TUBE: GRADE 6063-T52 (MIN. WALL 1/8")
 RECTANGULAR BAR / STRAP: GRADE 6063-T52
 SQUARE BAR: GRADE 6063-T52
 ROUND ROD: GRADE 6063-T52
 STRUCTURAL ANGLE AND CHANNEL: GRADE 6061-T6
 ARCHITECTURAL ANGLE: GRADE 6063-T5
 ARCHITECTURAL CHANNEL: GRADE 6063-T5
 ALUMINUM SHEET AND PLATE: 6061-T6

18) EROSION CONTROL:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, MAINTAINING AND REMOVING EROSION / SILT CONTROL BARRIER AS MAY BE REQUIRED BY THE STATE OF FLORIDA OR LOCAL AGENCIES DURING CONSTRUCTION.

19) SEALANTS:
 JOINT SEALS SHALL BE A 2-PART POLYSULFIDE OR POLYURETHANE CONFORMING TO U.S. FEDERAL SPECIFICATION TT-5-00227E.
 POURING (SELF LEVELING) COMPOUNDS SHALL BE TYPE 1 AND GUN GRADE. (NON SAG) COMPOUNDS SHALL BE TYPE 2. SEALANTS SHALL BE APPLIED IN STRICT ACCORDANCE WITH THE INSTRUCTIONS OF THE MANUFACTURER, USING A SUITABLE PRIMER IF NECESSARY.
 APPROVED SEALANTS: SIKAFLEX BY SIKA CHEMICAL COMPANY; HORNIFLEX-L BY W.R. GRACE COMPANY AND VULKEM 245 BY TREMCO, INC.
 PROJECT APPLICATION: MASONRY COLUMNS, CAST IN PLACE WALL AND COLUMN JOINTS, PAVING JOINTS, CONCRETE FLOOR JOINTS.

20) FILTREXX FILTER-SOXX SYSTEM:

PRODUCTS USED TO FILL FILTREXX LIVING WALL

1. COMPOSTED PRODUCT: COMPOST (GROWING MEDIA) USED FOR THE LIVING WALL SYSTEM SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSING PROCESS MEETING CFR 903 REGULATIONS, INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC GUIDELINES FOR LABORATORY PROCEDURES:

- A. pH - 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC pH DETERMINATIONS FOR COMPOST".
- B. PARTICLE SIZE - 99% PASSING A 1" SIEVE, 90% PASSING A 3/4" SIEVE AND A MINIMUM OF 50% PASSING THE 3/8" SIEVE, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION".
- C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.
- D. MATERIAL SHALL BE RELATIVELY FREE (LESS THAN 1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.
- E. NUTRIENT CONTENT SHALL BE NO GREATER THAN A 1-1-1 ANALYSIS OF N-P-K USING TRADITIONAL NUTRIENT ANALYSIS. HOWEVER, AT LEAST 95% OF THE NITROGEN SHALL BE IN ORGANIC FORM, IN ORDER TO REDUCE CONCERNS ABOUT NUTRIENT TRANSPORT AND LEACHING.
- F. A SAMPLE SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- G. COMPOST PRODUCT SHALL BE AN APPROVED FILTREXX GROWING MEDIA, AS DETERMINED BY TESTING PROCEDURES OUTLINED BY FILTREXX INTERNATIONAL, LLC. A COPY OF AN APPROVED REPORT SHALL BE KEPT ON FILE.

21) SITE FURNITURE:

BENCHES: FURNISH AND INSTALL (10) SILHOUETTE MODEL NO. KBC1300 6' SURFACE MOUNT, BY BARCO PRODUCTS CO, COLOR: CEDAR (800) 338-2697. (OR APPROVED EQUAL). BENCHES ARE TO BE MOUNTED ON DECKING SURFACES UTILIZING 1/2" STAINLESS STEEL BOLTS WITH NUT AND WASHERS. EACH LEG MOUNTING SHALL INCLUDE A 2"x6" P.T. BOARD AT APPROPRIATE LENGTH ON THE UNDERSIDE OF THE DECK TO REINFORCE THE BOLTED CONNECTION. BENCH LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT AND OWNER.

TRASH RECEPTACLE HOLDER: FURNISH AND INSTALL (11) MODEL NO. 1-67903 (32 GALLON HOLDER) BY PRIDE ENTERPRISES (800) 643-8459 (OR APPROVED EQUAL) TO BE FIELD LOCATED BY LANDSCAPE ARCHITECT AND OWNER.

OUTDOOR GRILL: FURNISH AND INSTALL (1) BARCO PRODUCTS CO, MODEL NO. 05FB1106, STAINLESS STEEL GRILL, (800) 338-2697. (OR APPROVED EQUAL) TO BE FIELD LOCATED BY LANDSCAPE ARCHITECT AND OWNER.

22) LIMESTONE BOULDERS: LIMESTONE BOULDERS SHALL BE FROM NATIVE FLORIDA LIMESTONE DEPOSITS. MATERIAL SELECTION SHALL BE COORDINATED WITH THE OWNER AND LANDSCAPE ARCHITECT AND APPROVED PRIOR TO SITE DELIVERY.

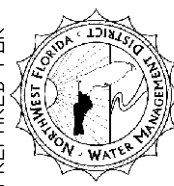
PRE-APPROVED MATERIALS SUPPLIER: LARRY CRAFT, dba LARRY'S BACKHOE SERVICE (850) 421-6907. 403 WOODVILLE HIGHWAY, CRAWFORDVILLE, FL. 32321-0610 (OR APPROVED OTHER)

September 11, 2009 06:03:08 EST
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NO.	DATE	DESCRIPTION	REVISIONS
DESIGNED BY	J.C.P.	CHECKED BY	J.C.P.
DRAWN BY	M.I.C.	PROJECT NUMBER	7137-004
		DATE	09/11/2009

GENESIS GROUP
 GGI, LLC dba GENESIS GROUP
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 TALLAHASSEE, FLORIDA 32303
 FROM VISION TO REALITY
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Northwest Florida Water Management District

PREPARED FOR: 

SEAL

Joseph C. Petrich, R.L.A.
 License Number: 1173

SHEET TITLE
CONSTRUCTION NOTES AND SPECIFICATIONS

PROJECT NAME
ECONFINA SPRINGS COMPLEX

SHEET NUMBER
HS.18

WILLIFORD SPRING RESTORATION ECONFINA SPRINGS COMPLEX WASHINGTON COUNTY, FLORIDA

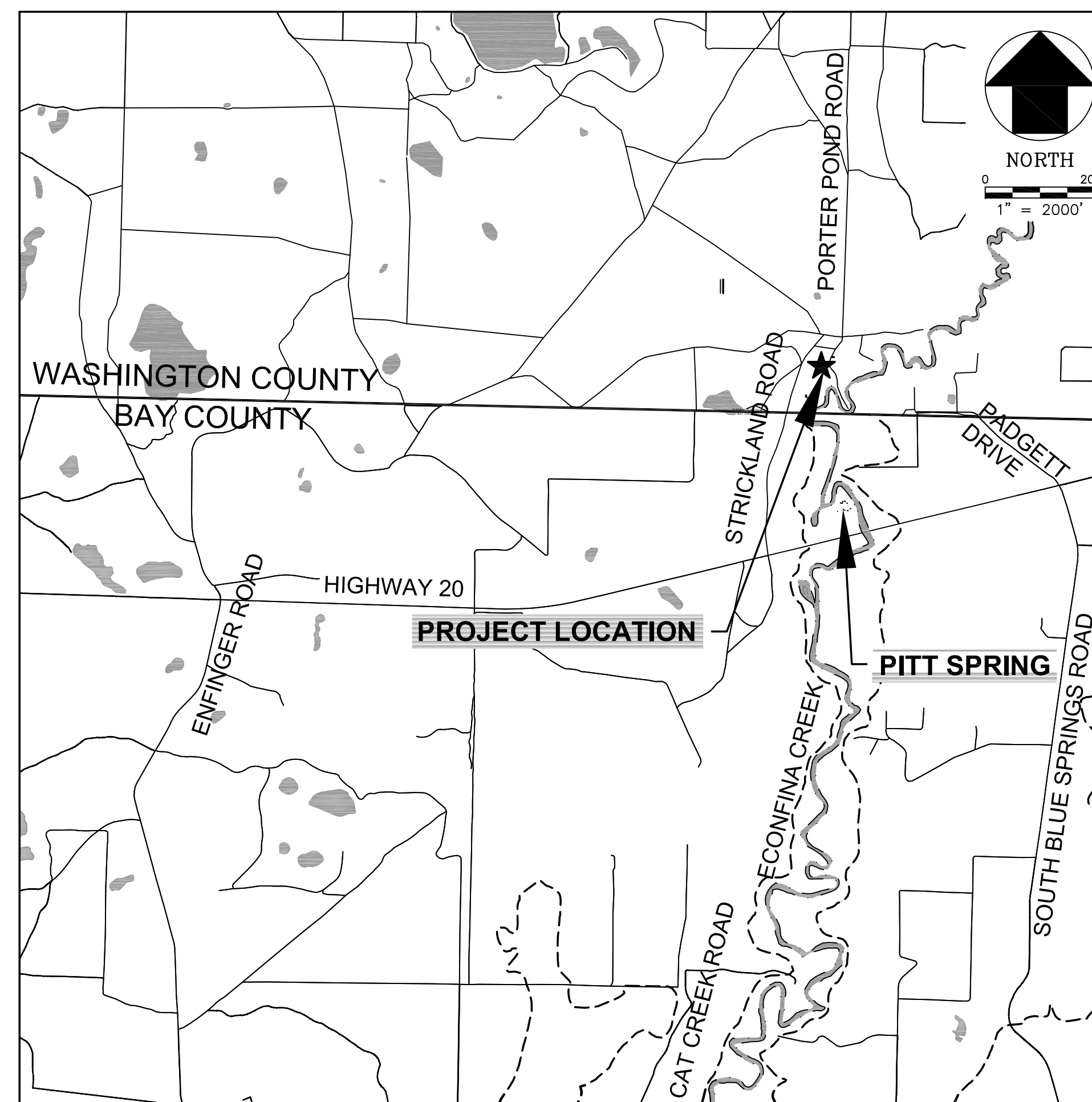
FOR
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

00000000-00-0443-0000

S33 T1N R13W

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S-1.1R-S-1.6R	RESTROOM SECTION AND DETAILS (NIC)



LOCATION MAP

INCLUDED IN PLANS BY REFERENCE:

FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS (2014)
FLORIDA DEPARTMENT OF TRANSPORTATION,
STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (2014)

PREPARED FOR:



NORTHWEST FLORIDA
WATER MANAGEMENT DISTRICT
81 WATER MANAGEMENT DRIVE
HAVANA, FL 32333
(850) 539-5999 (850) 539-2777 FAX
www.nwfwmd.state.fl.us

PREPARED BY:



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www.GenesisGroup.com

ENGINEER OF RECORD:

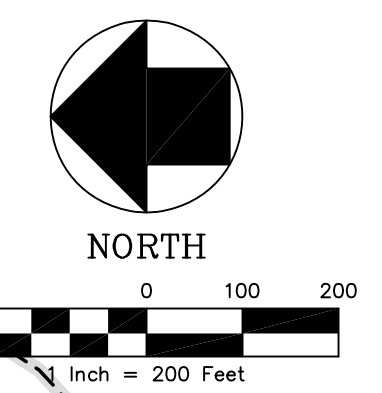
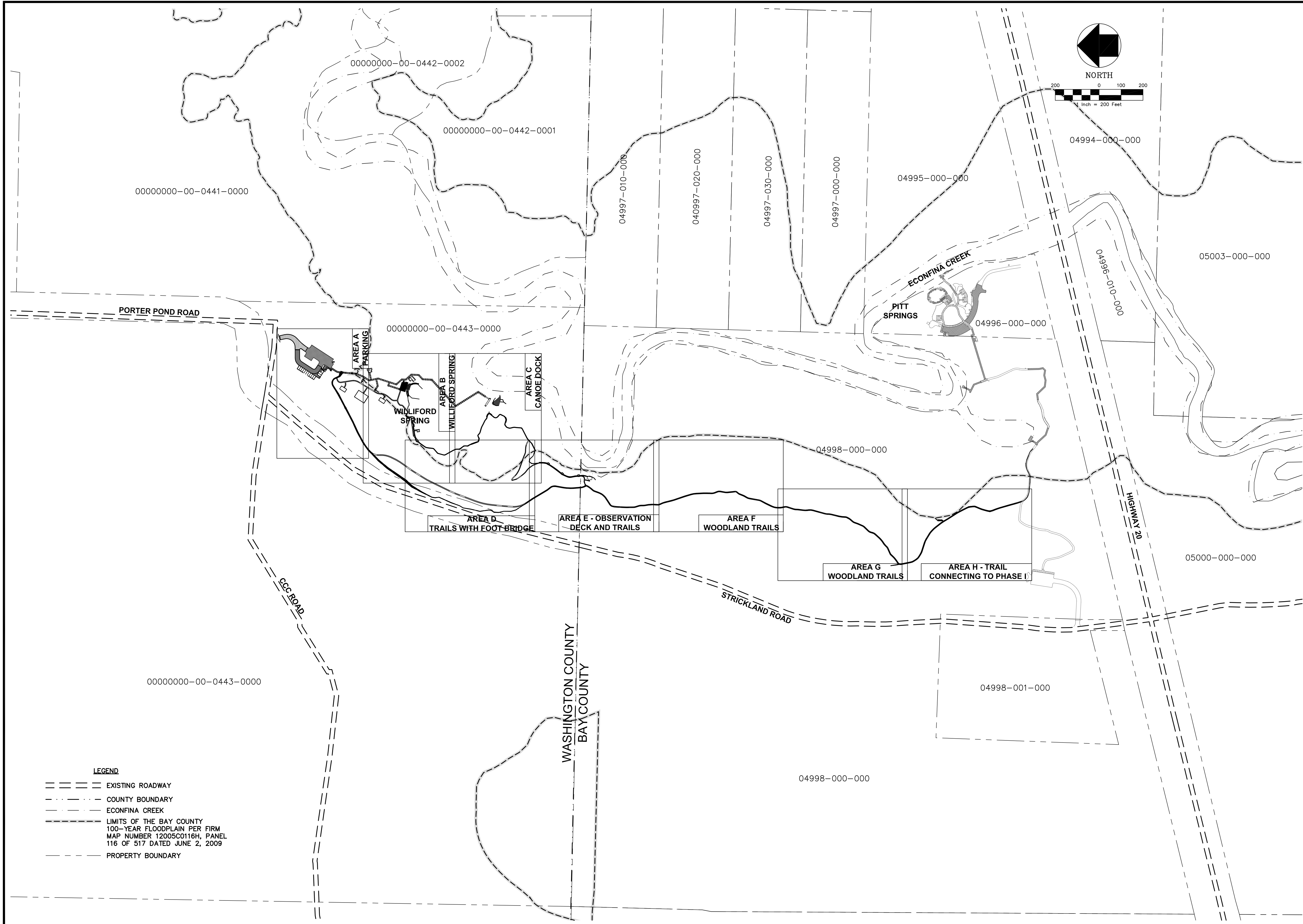
Charles R. Redding III, P.E.
License Number: 27707

DATE: 04/25/2014

ECONFINA SPRINGS COMPLEX - 7137-008

ISSUED FOR CONSTRUCTION

10/15/14 10:06:05 AM
 C:\Users\jacob\Documents\7137-008 CONSTRUCTION PLAN LAYOUT.DWG



- LEGEND**
- EXISTING ROADWAY
 - - - COUNTY BOUNDARY
 - - - ECONFINA CREEK
 - - - LIMITS OF THE BAY COUNTY 100-YEAR FLOODPLAIN PER FIRM MAP NUMBER 12005C0116H, PANEL 116 OF 517 DATED JUNE 2, 2009
 - - - PROPERTY BOUNDARY

NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	REVISIONS
			A.O.A.	C.R.R.	PROJECT NUMBER 7137-008
			S.R.W.	S.R.W.	DATE 04/25/2014

GENESIS GROUP
 GGL LLC dba GENESIS GROUP
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Northwest Florida Water Management District

PREPARED FOR
 Charles H. Redding III, P.E.
 License Number 27707

SEAL
 KEY SHEET

PROJECT NAME
**WILLIFORD SPRING RESTORATION
 ECONFINA SPRINGS COMPLEX**

SHEET NUMBER
C.01

ISSUED FOR CONSTRUCTION

LEGEND

- JURISDICTIONAL WETLAND LINE
- WATER'S EDGE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED BOARDWALK
- PROPOSED STABILIZED FOOTPATH
- EXISTING WOODLAND EDGE
- LIMITS OF CONSTRUCTION (2.826 AC.)

5 SOIL BORING LOCATION - REFER TO GEOTECHNICAL ENGINEERING EVALUATION PERFORMED BY ARDAMAN AND ASSOCIATES (FILE NO. 113-10-40-1420) DATED DECEMBER 22, 2010.

SITE DATA SUMMARY:

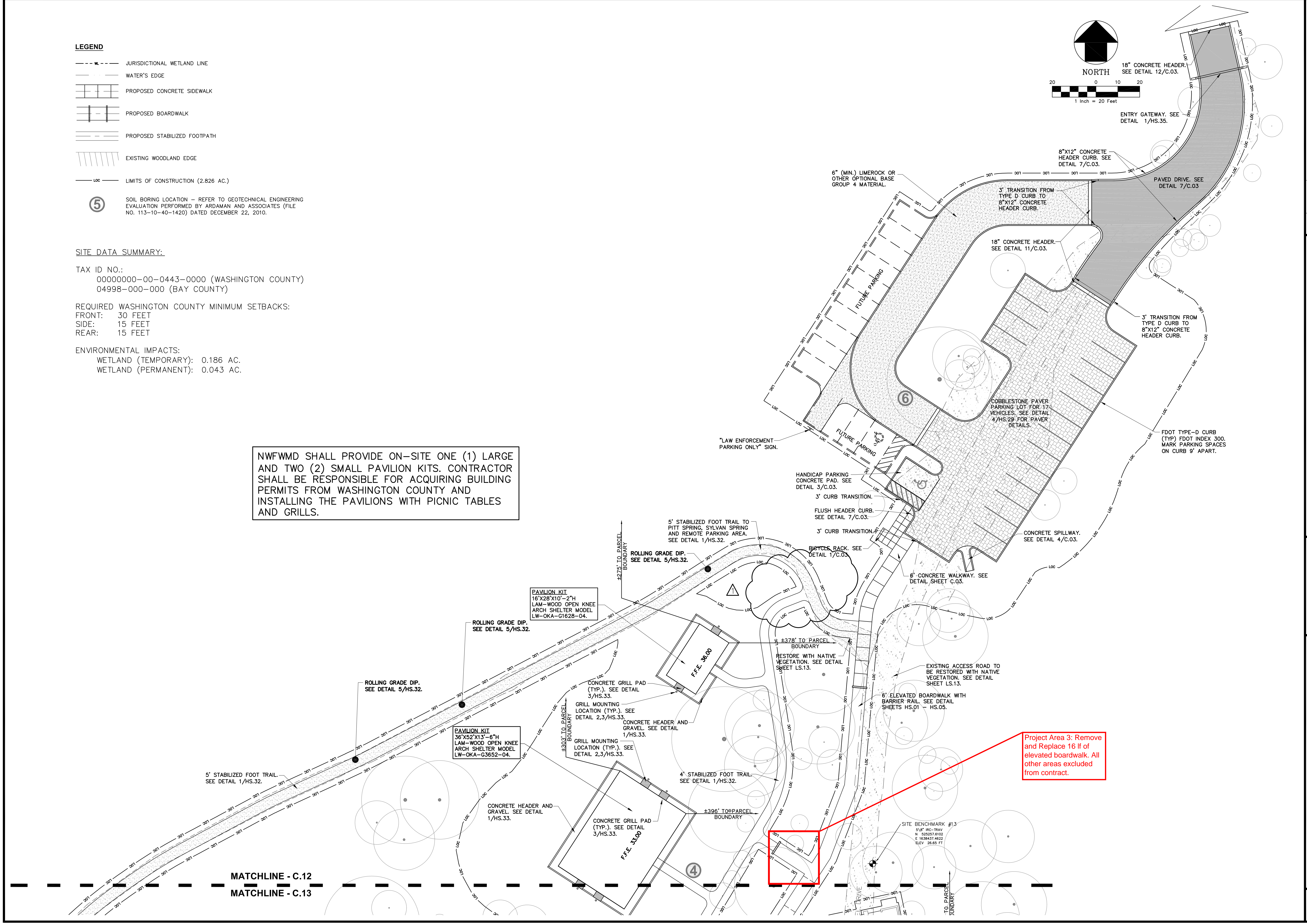
TAX ID NO.:
00000000-00-0443-0000 (WASHINGTON COUNTY)
04998-000-000 (BAY COUNTY)

REQUIRED WASHINGTON COUNTY MINIMUM SETBACKS:
FRONT: 30 FEET
SIDE: 15 FEET
REAR: 15 FEET

ENVIRONMENTAL IMPACTS:
WETLAND (TEMPORARY): 0.186 AC.
WETLAND (PERMANENT): 0.043 AC.

NWFWM shall provide on-site one (1) large and two (2) small pavilion kits. Contractor shall be responsible for acquiring building permits from Washington County and installing the pavilions with picnic tables and grills.

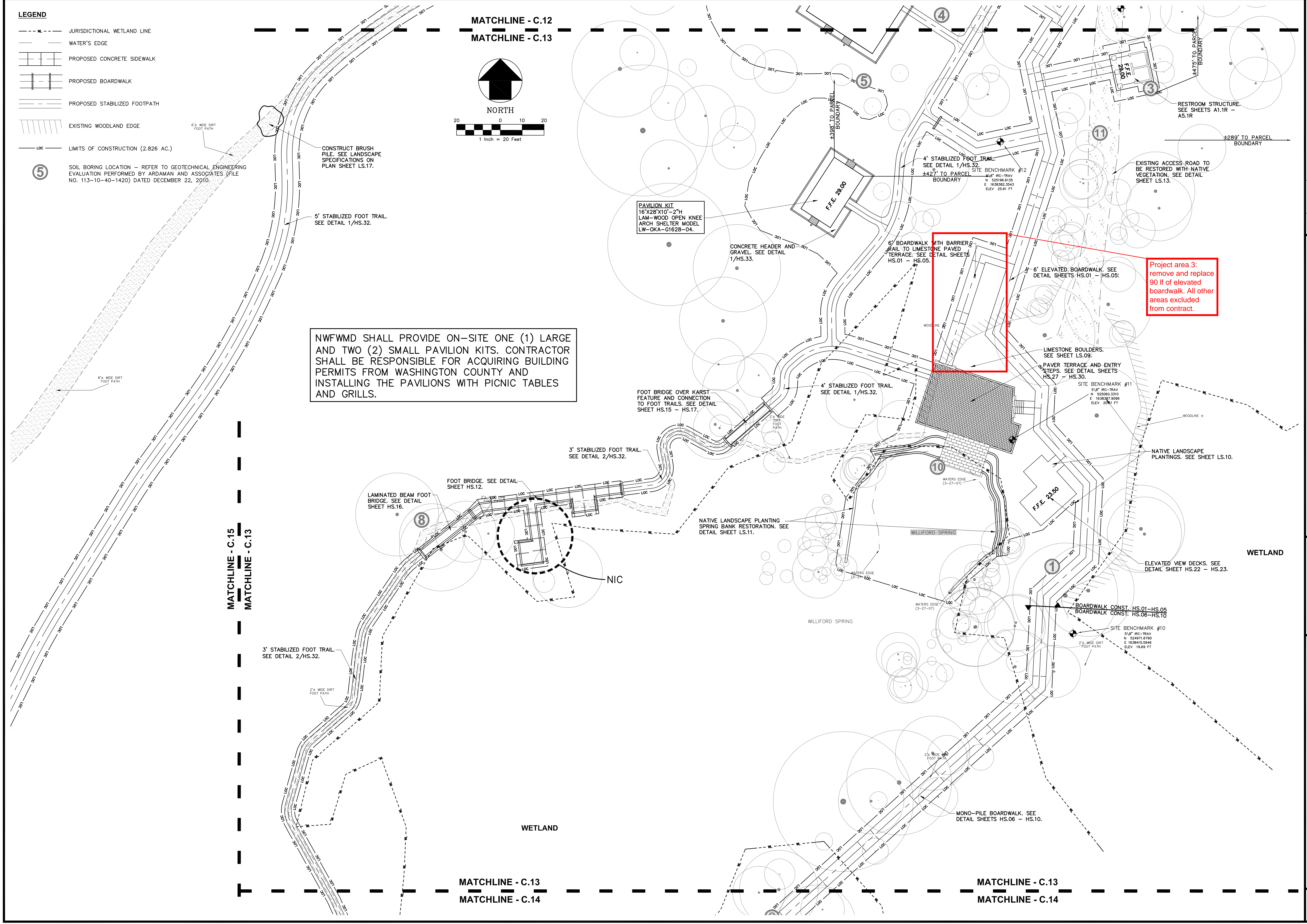
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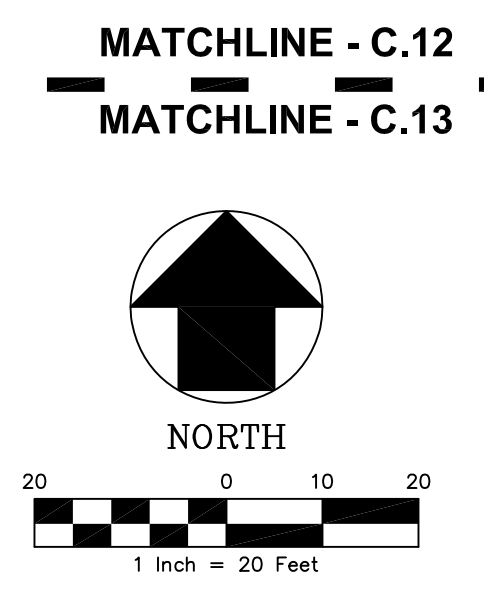
Project Area 3: Remove and Replace 16 lf of elevated boardwalk. All other areas excluded from contract.

GENESIS GROUP GGL LLC dba GENESIS GROUP 2507 CALLAWAY ROAD, SUITE 100 TALLAHASSEE, FLORIDA 32303 FL CA 00009660 FL LB 0006816 FL LC 26000202 (850) 224-4400 (850) 681-5600 FAX		Northwest Florida Water Management District	
PREPARED FOR Charles F. Redding III, P.E. License Number 27707		PREPARED FOR	
SITE PLAN AREA A PARKING		Northwest Florida Water Management District	
PROJECT NAME WILLFORD SPRING RESTORATION ECONFINA SPRING COMPLEX		PROJECT NUMBER 7137-008	
SHEET TITLE C.12		DATE 04/25/14	
SHEET NUMBER C.12		SCALE 1" = 20'	
		REVISIONS	
		NO. DATE DESCRIPTION	
		1 04/25/14 REMOVED DEDUCTIVE BID ALTERNATE NOTES.	
		DESIGNED BY: A.O.A. CHECKED BY: C.R.R.	
		DRAWN BY: S.R.W.	

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- LEGEND**
- JURISDICTIONAL WETLAND LINE
 - - - WATER'S EDGE
 - [Hatched Box] PROPOSED CONCRETE SIDEWALK
 - [Hatched Box] PROPOSED BOARDWALK
 - [Hatched Box] PROPOSED STABILIZED FOOTPATH
 - [Hatched Box] EXISTING WOODLAND EDGE
 - LIMITS OF CONSTRUCTION (2,826 AC.)
 - 5 SOIL BORING LOCATION - REFER TO GEOTECHNICAL ENGINEERING EVALUATION PERFORMED BY ARDAMAN AND ASSOCIATES (FILE NO. 113-10-40-1420) DATED DECEMBER 22, 2010.



NWFWM shall provide on-site one (1) large and two (2) small pavilion kits. Contractor shall be responsible for acquiring building permits from Washington County and installing the pavilions with picnic tables and grills.

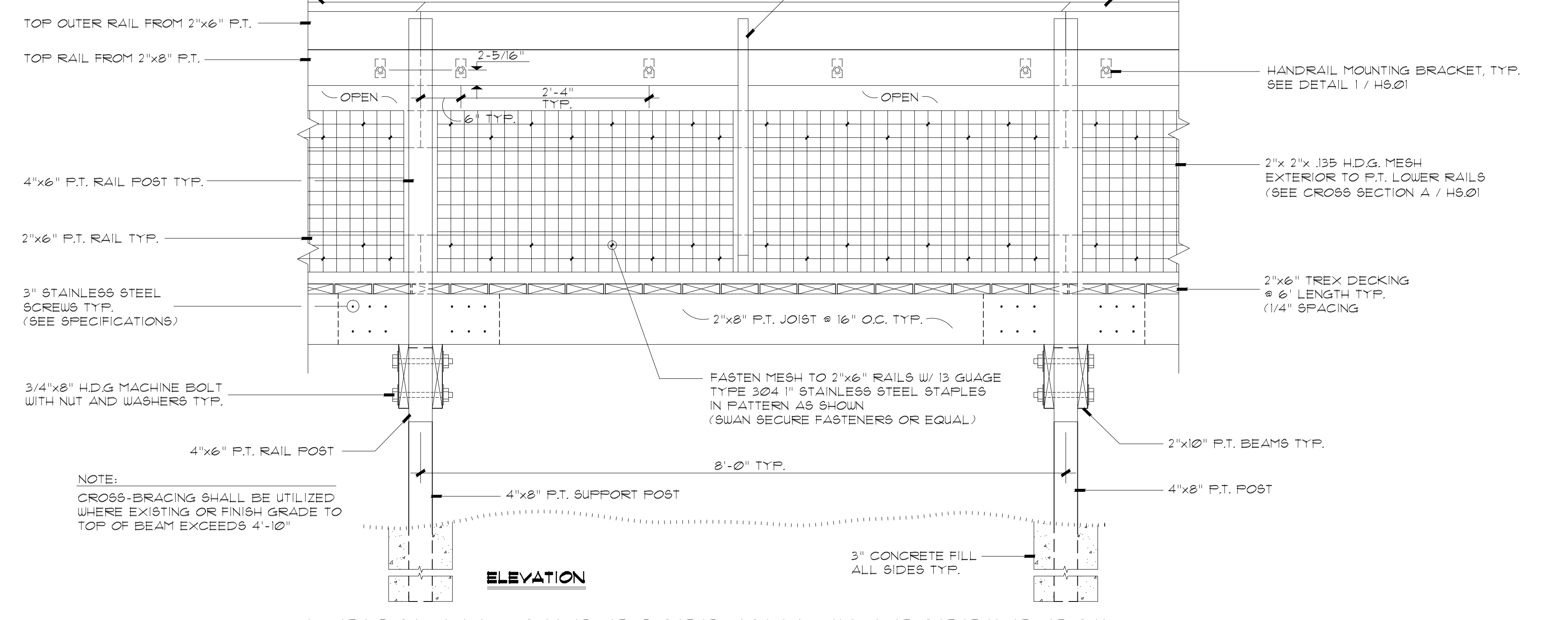
Project area 3:
 remove and replace
 90' of elevated
 boardwalk. All other
 areas excluded from
 contract.

<p>GENESIS GROUP GGL, LLC dba GENESIS GROUP 2507 CALLAWAY ROAD, SUITE 100 TALLAHASSEE, FLORIDA 32303 FL CA 00009660 FL LB 000816 FL LC 26000202 (850) 224-4400 (850) 681-5600 FAX</p>	<p style="text-align: center;">Northwest Florida Water Management District</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>DESIGNED BY: A.O.A. CHECKED BY: C.R.R. PROJECT NUMBER: 7137-008 SCALE: 1" = 20' DRAWN BY: S.R.W. DATE: 04/25/2014</p>	NO.	DATE	DESCRIPTION	REVISIONS								
NO.	DATE	DESCRIPTION	REVISIONS											
<p>PREPARED FOR</p>														
<p>SEAL</p>														
<p>SITE PLAN AREA B WILLIFORD SPRING WILLIFORD SPRING RESTORATION ECONFINA SPRINGS COMPLEX</p>														
<p>ISSUED FOR CONSTRUCTION</p>														
<p>SHEET TITLE</p>		<p>SHEET NUMBER</p>												
<p>C.13</p>		<p>C.13</p>												

Charles H. Redding III, P.E.
 License Number 27707

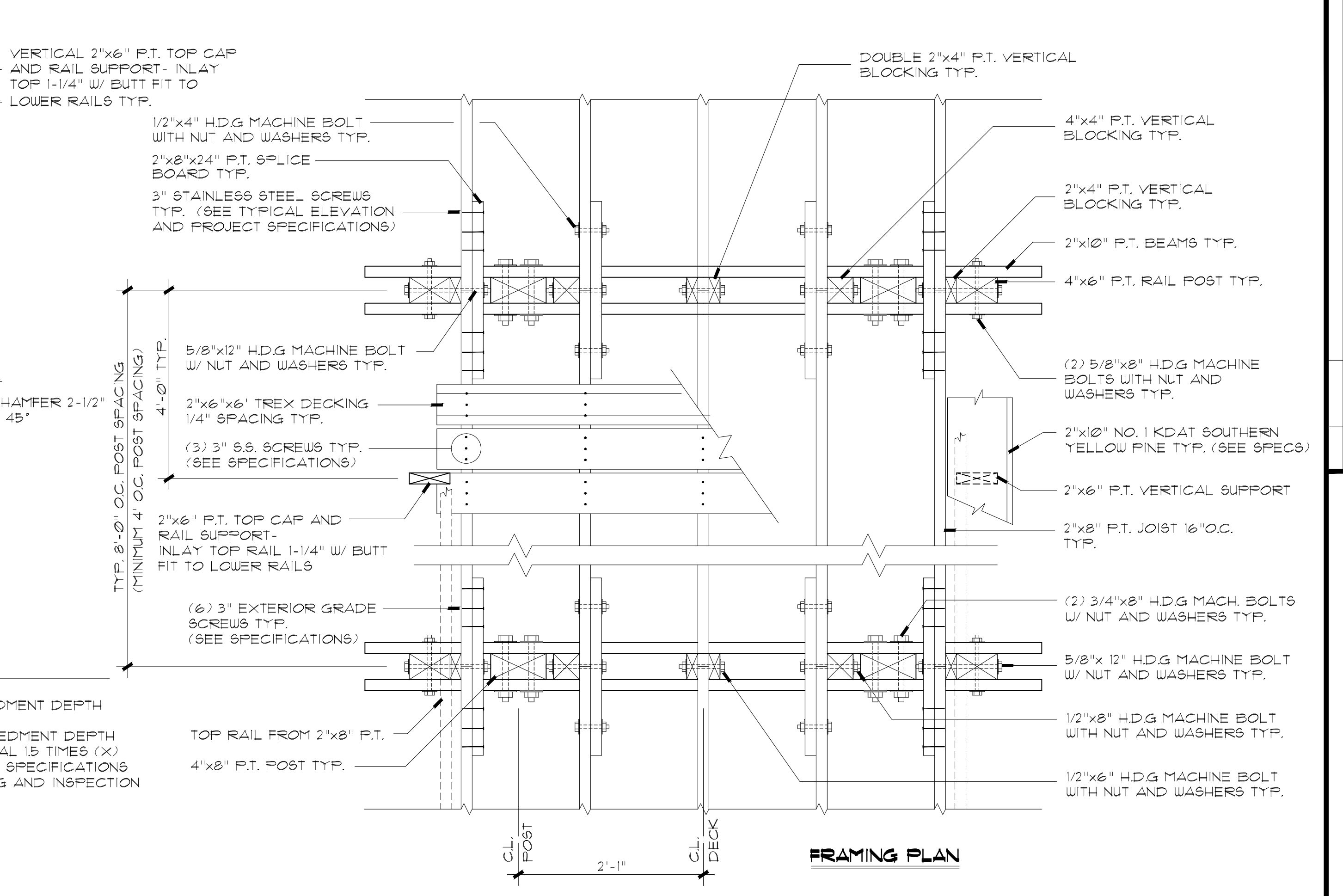
May 13, 2014 (1502204.EST)
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See Attachment A: Scope of Work for changes to top cap specifications



TYPICAL ELEVATED BOARDWALK WITH BARRIER RAIL
 SCALE: 1"=1'-0"

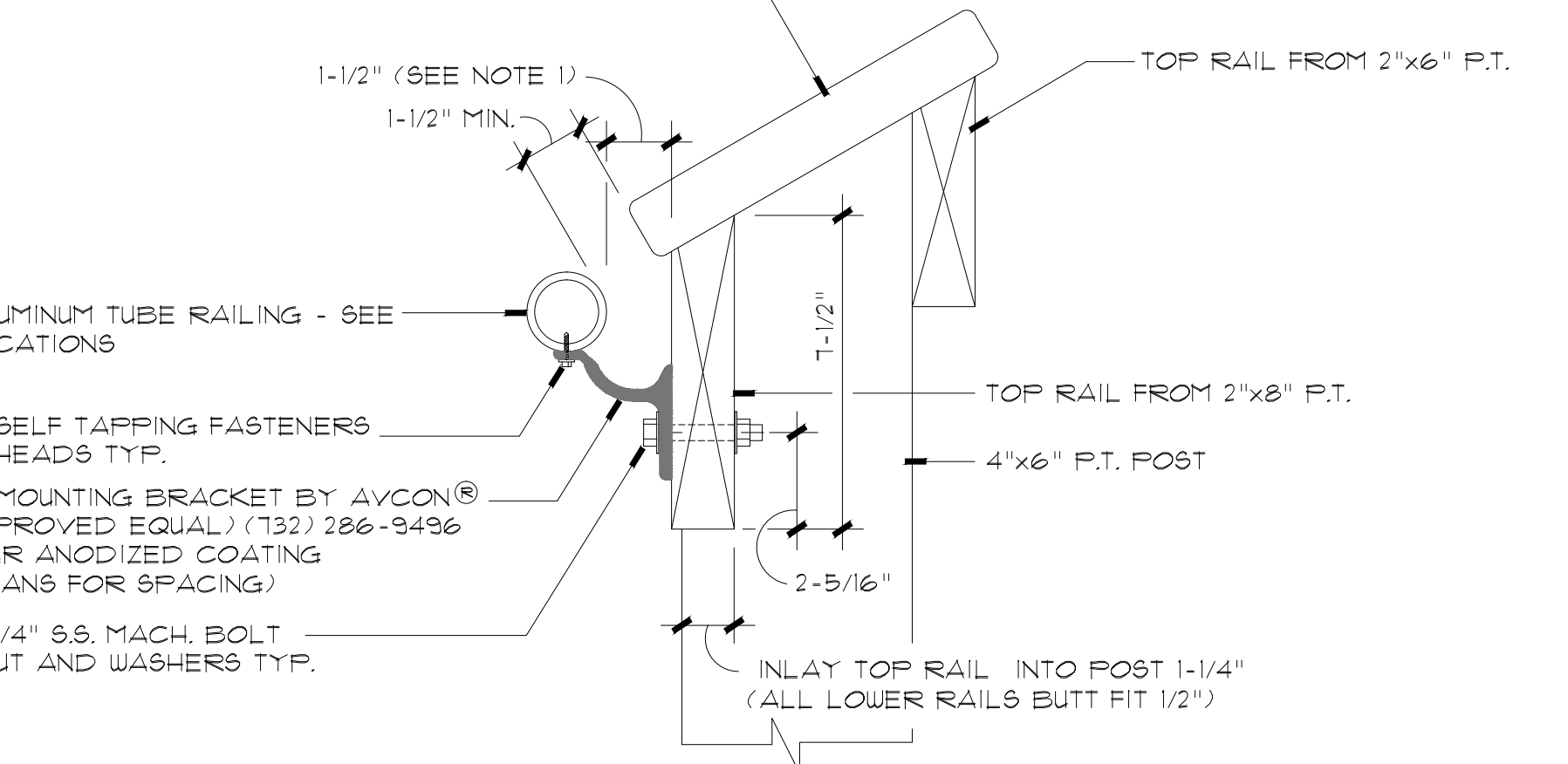
See Attachment A: Scope of Work for changes to top cap specifications



FRAMING PLAN

See Attachment A: Scope of Work for changes to top cap specifications

TOP CAP:
 2"x10" NO. 1 KDAT SOUTHERN YELLOW PINE TYP. (SEE SPECS)
 ATTACH TO RAILS 4 POSTS W/ 3" S.S. SCREWS - MIN. 3 SCREWS PER 2 LF TYP.

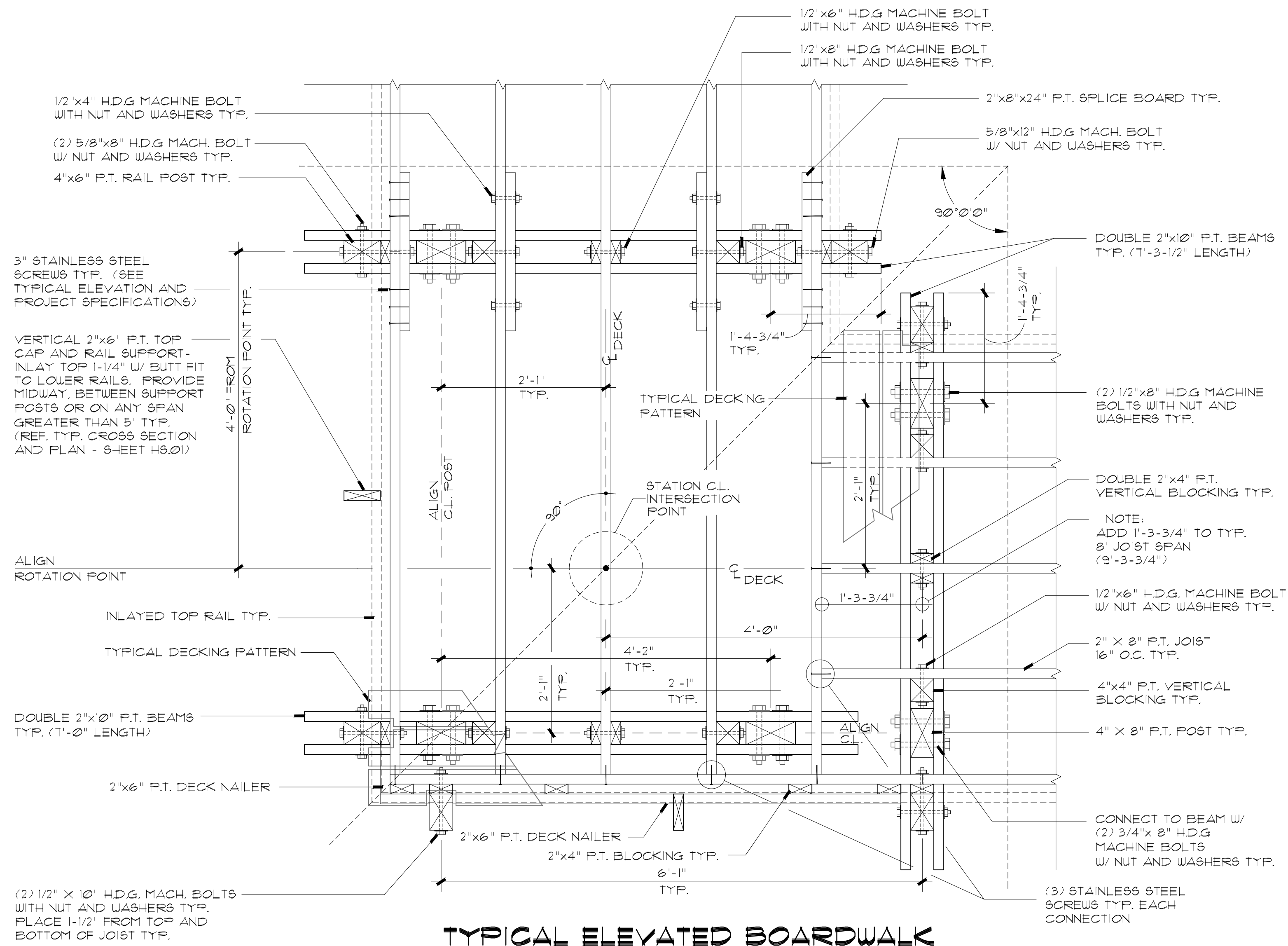


1 ADA HANDRAIL DETAIL
 H5.01 SCALE: 3/4"=1'-0"

- NOTES:
- PER ADA REQUIREMENTS, HANDRAIL SHALL BE ANCHORED TO PROVIDE CLEAR SPACE OF 1-1/2" FROM BACK OF HANDRAIL TO FACE OF 2"x8" TOP RAIL AND TO EDGE OF TOP CAP.
 - ADA HANDRAIL HEIGHT: REF. TYPICAL CROSS-SECTION FOR HEIGHT RELATIVE TO FINISH DECK GRADE.
 - HANDRAILS ON RAMP WHICH ARE NOT CONTINUOUS SHALL EXTEND NOT LESS THAN 18" BEYOND THE SLOPED SEGMENT AT BOTH TOP AND BOTTOM, AND SHALL BE PARALLEL TO THE FLOOR OR GROUND SURFACE.
 - ON RAMPED BOARDWALK SYSTEMS OF 5% AND GREATER SLOPES, CONTINUOUS ADA HANDRAILS ARE REQUIRED ON BOTH SIDES OF THE BOARDWALK BARRIER RAIL. HANDRAILS SHALL BE CONTINUOUS THROUGHOUT, INCLUDING LANDINGS.
 - ON BOARDWALK SYSTEMS WITH STAIRS, ADA HANDRAILS ARE REQUIRED ON STEP SECTIONS. HANDRAILS SHALL EXTEND AT LEAST 12" BEYOND THE TOP RISER AND AT LEAST 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT THE TOP, THE EXTENSION SHALL BE PARALLEL WITH THE FLOOR OR GROUND SURFACE. AT THE BOTTOM, THE HANDRAIL SHALL CONTINUE TO SLOPE FOR A DISTANCE OF THE WIDTH OF ONE TREAD FROM THE BOTTOM RISER. THE REMAINDER OF THE EXTENSION SHALL BE HORIZONTAL AND PARALLEL WITH THE FLOOR OR GROUND SURFACE.

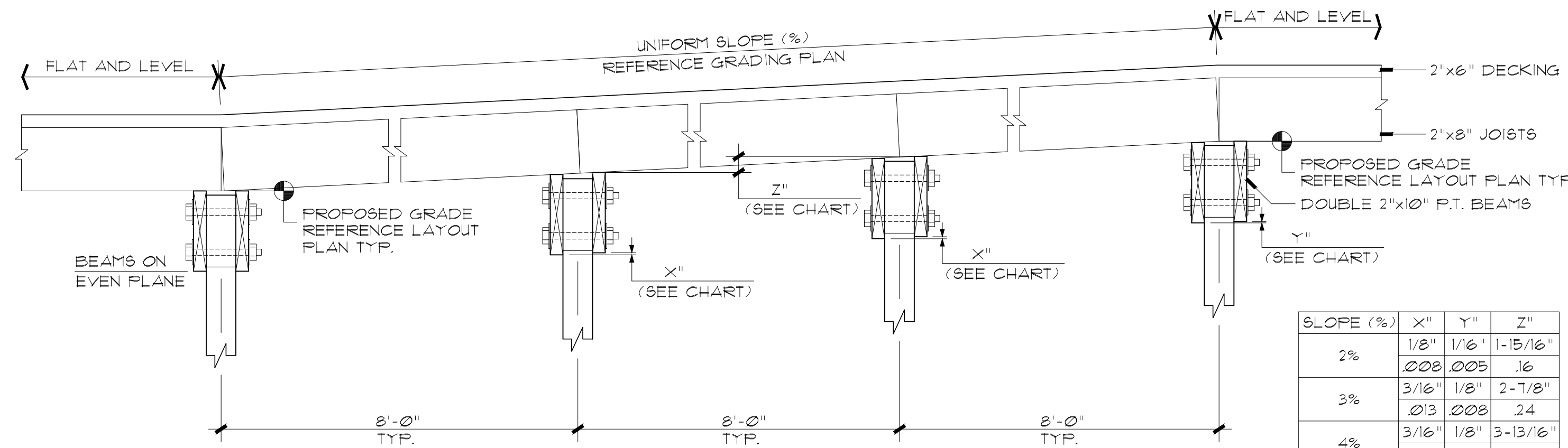
GENESIS GROUP FROM VISION TO REALITY GGI, LLC dba GENESIS GROUP 2507 CALLAWAY ROAD, SUITE 100 TALLAHASSEE, FLORIDA 32303 FL CA 00009560 FL LB 0006816 (850) 224-4400 (850) 681-3600 FAX		Northwest Florida Water Management District	
SHEET TITLE ELEVATED BOARDWALK CONSTRUCTION DETAILS	PROJECT NAME WILLIFORD SPRING RESTORATION ECONFINA SPRINGS COMPLEX	SHEET NUMBER H5.01	PREPARED FOR Joseph C. Petrich, P.E. License Number: 1173
NO. DESIGNED BY: J.C.P. DATE:	DESCRIPTION: J.C.P. M.I.C.	CHECKED BY: J.C.P. SCALE:	REVISIONS: J.C.P. PROJECT NUMBER: 7137-008 DATE: 04/25/14 As Noted

ISSUED FOR CONSTRUCTION



TYPICAL ELEVATED BOARDWALK FRAMING PLAN @ 90° INTERSECTION

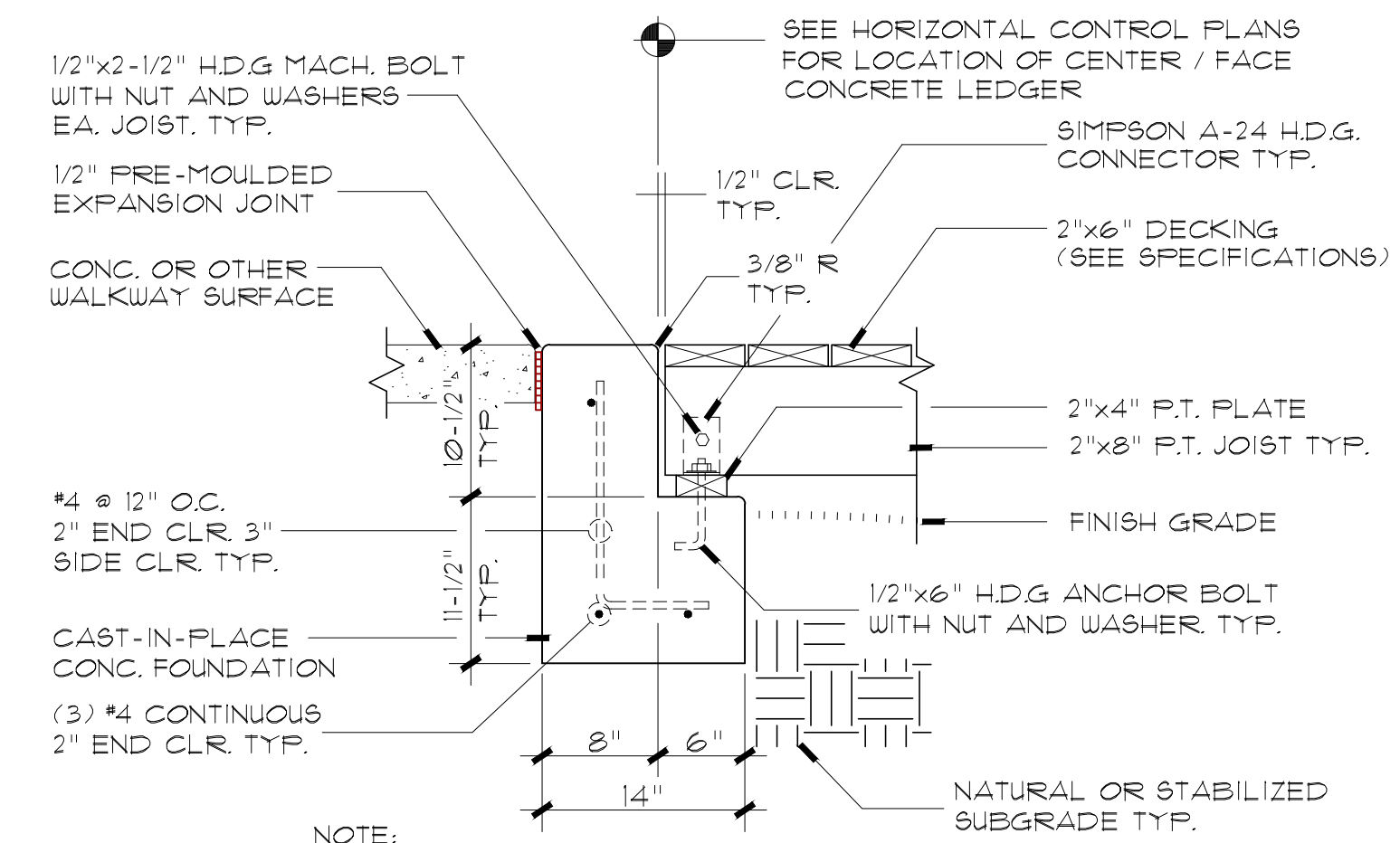
SCALE: 1"=1'-0"



TYPICAL BEAM GRADE TRANSITION

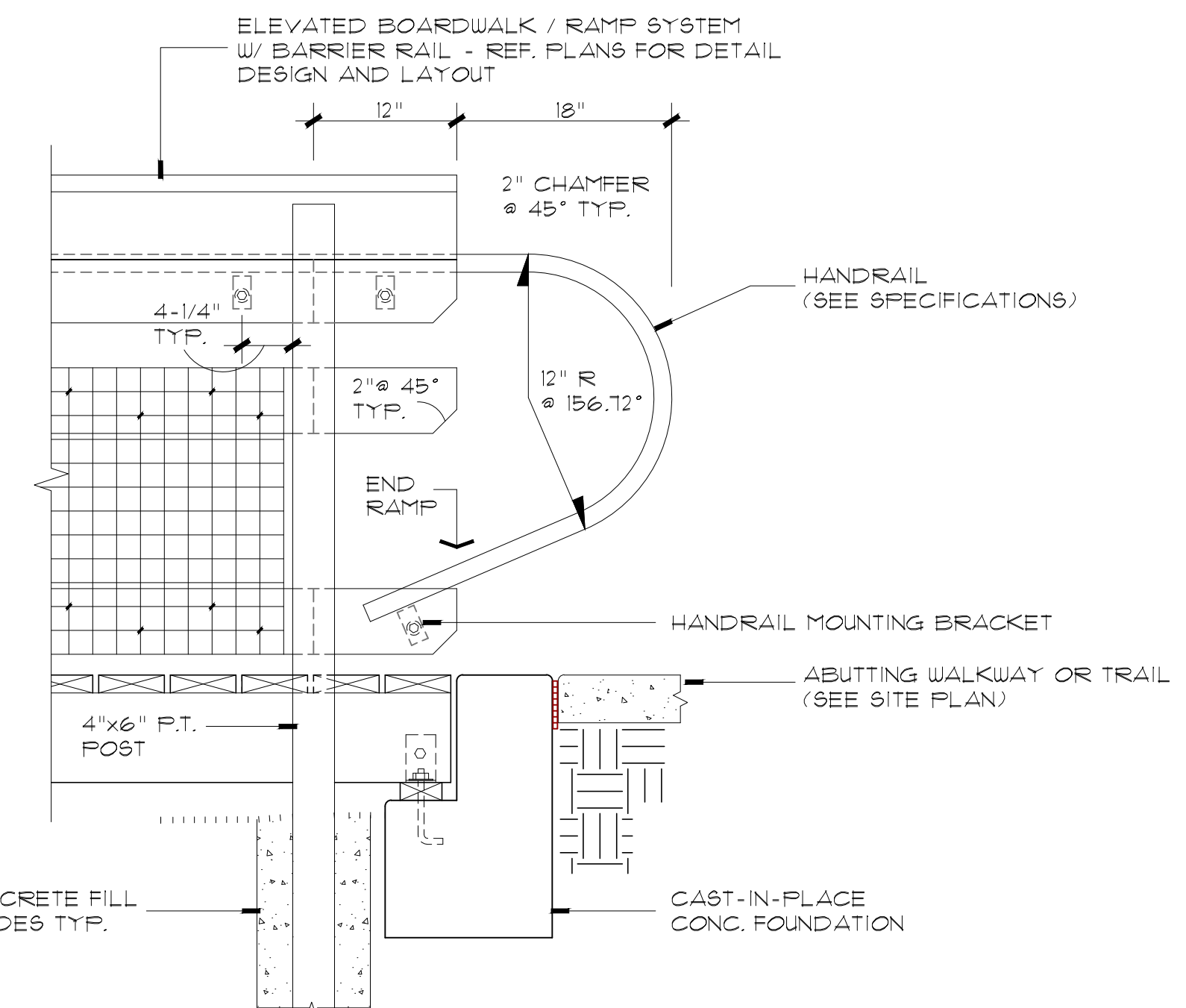
SCALE: 1"=1'-0"

SLOPE (%)	X"	Y"	Z"
2%	1/8"	1/16"	1-15/16"
	.008	.005	.16
3%	3/16"	1/8"	2-7/8"
	.013	.008	.24
4%	3/16"	1/8"	3-13/16"
	.017	.011	.32
5%	1/4"	3/16"	4-13/16"
	.021	.014	.40
6%	5/16"	3/16"	5-3/4"
	.025	.016	.48
7%	3/8"	1/4"	6-3/4"
	.029	.019	.56
8%	3/8"	1/4"	7-11/16"
	.033	.022	.64
8.33%	7/16"	1/4"	8"
	.035	.023	.67



1 CONCRETE LEDGER

SCALE: 1"=1'-0"



3 BARRIER RAIL / HANDRAIL TERMINATION DETAIL

SCALE: 1"=1'-0"

NOTE: APPLY THE ABOVE HANDRAIL TERMINATION DETAIL TO BOTH THE INGRESS AND EGRESS OF THE RAMP.

May 13, 2014 (1502204 EST)
G:\1517\004\WILLIFORD_SPRING\CS\BOARDWALK.DWG

NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	REVISIONS
			J.C.P.	J.C.P.	

PROJECT NUMBER: 7137-008
DATE: 04/25/14
SCALE: M.I.C.
DRAWN BY: M.I.C.
AS NOTED

GENESIS GROUP
GGI, LLC dba GENESIS GROUP
2507 CALLAWAY ROAD, SUITE 100
TALLAHASSEE, FLORIDA 32303
FLORIDA LICENSE # 00009560
FLORIDA LICENSE # 0006816
(850) 224-4400 (850) 681-3600 FAX

Northwest Florida Water Management District

PREPARED FOR:

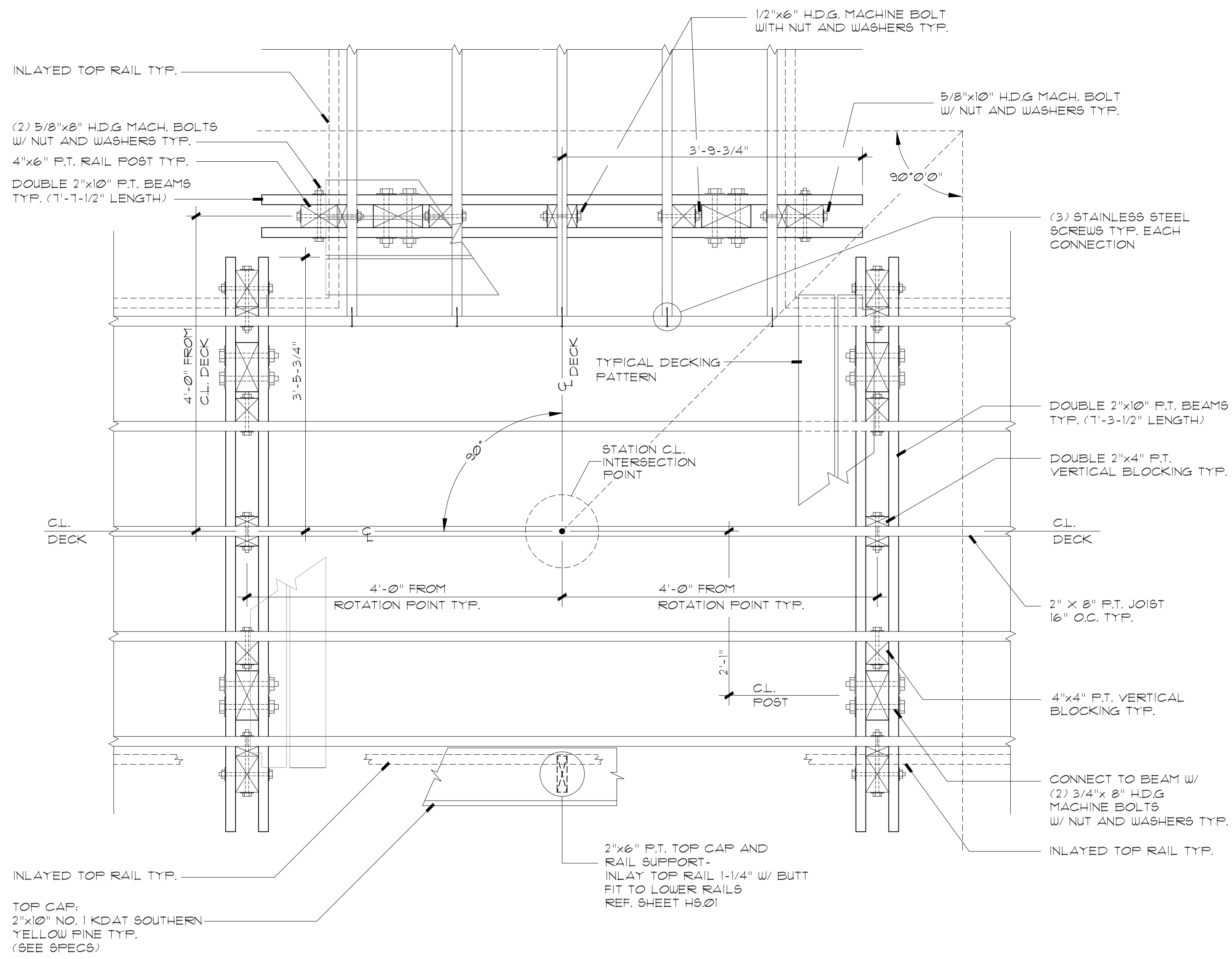
Joseph C. Petrich, P.E., License Number: 172

ELEVATED BOARDWALK CONSTRUCTION DETAILS

WILLIFORD SPRING RESTORATION ECONFINA SPRINGS COMPLEX

SHEET NUMBER: **HS.04**

ISSUED FOR CONSTRUCTION



- NOTE:
- 1) SEE SHEET H9.01 FOR TYPICAL ELEVATED BOARDWALK CROSS-SECTION
 - 2) SEE SHEETS H9.30 AND H9.39 FOR GENERAL CONSTRUCTION NOTES AND SPECIFICATIONS.

TYPICAL ELEVATED BOARDWALK FRAMING PLAN @ 'I' INTERSECTION

SCALE: 1"=1'-0"

NO.	DATE	DESCRIPTION	REVISIONS
DESIGNED BY:	J.C.P.		
CHECKED BY:	J.C.P.		
PROJECT NUMBER:	7137-008		
DATE:	04/25/14		
DRAWN BY:	M.I.C.		
SCALE:	As Noted		

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Northwest Florida Water Management District

PREPARED FOR:

Joseph C. Petrich, P.E., F.L.A.
 License Number: 172

ELEVATED BOARDWALK CONSTRUCTION DETAILS

WILLIFORD SPRING RESTORATION ECONFINA SPRINGS COMPLEX

ISSUED FOR CONSTRUCTION

SHEET NUMBER: **HS.05**

CONSTRUCTION NOTES AND SPECIFICATIONS - ECONFINA SPRINGS COMPLEX

1) TREATED WOODS: **[See Attachment A: Scope of work for changes]**
 ALL WOODS SPECIFIED AS PRESERVATIVE-TREATED (P.T.) SHALL BE ALKALINE COPPER QUATERNARY (ACQ) IN ACCORDANCE WITH NDS REPORT NO. NER-643 AND (2005) ENR-438.

MATERIAL STANDARDS: SHALL COMPLY WITH AWP.A. STANDARD (CATEGORY UCI, UC2, UC3A, UC3B, UC4A, UC4B); TREATMENT RETENTION: 40 LB/CF FOR GROUND CONTACT MATERIALS AND 25 LB/CF FOR NON-GROUND CONTACT MATERIALS; MOISTURE CONTENT: ALL 2X DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN-DRIED AFTER TREATMENT (KDAT).

2) LUMBER AND TIMBER GRADES AND STANDARDS: **[See Attachment A: Scope of work for changes]**
 BEAMS, JOISTS, RAILINGS AND POSTS SHALL BE NO.1 SOUTHERN YELLOW PINE, UNLESS OTHERWISE NOTED ON DESIGN PLANS. ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS. MOISTURE CONTENT: ALL 2X DIMENSIONAL LUMBER FOR THIS PROJECT SHALL BE KILN-DRIED AFTER TREATMENT (KDAT) TO PREVENT SUBSTANTIAL SHRINKAGE, WARPING AND CUPPING AFTER INSTALLATION. LUMBER STORED ON SITE SHALL BE MAINTAINED UNDER PROTECTIVE COVER UNTIL UTILIZED; SUBMITTALS: MANUFACTURERS CERTIFICATION DATA.

3) GLUE LAMINATED WOOD MEMBERS:
 - COMPRESSION PARALLEL TO GRAIN (Fc)₁=131 ksi
 - TENSION PARALLEL TO GRAIN (Ft)₁=129 ksi
 - EXTREME FIBER IN BENDING (Fb)₁=1948 ksi
 - HORIZONTAL SHEAR (Fv)₁=375 ksi
 - MODULUS OF ELASTICITY (E)₁=1,400 ksi

TREATMENT: AS SPECIFIED UNDER "TREATED WOODS" FOR GROUND CONTACT

4) WOOD CONSTRUCTION:
 CONSTRUCTION EXECUTION: WOOD TIMBERS AND BEAMS SHALL BE CUT UTILIZING CIRCULAR AND / OR TRADITIONAL CROSS-CUT TYPE SAWS. CHAIN SAWS SHALL NOT BE USED TO MAKE FINISHED CUTS. FINISHED WORK ILLUSTRATING THE USE OF CHAIN TYPE SAWS SHALL NOT BE ACCEPTED AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

5) PRESERVATIVE TREATED SUPPORT POSTS: (NOMINAL 4"x4", 4"x6", 4"x8", 6"x6" AND 8"x8" P.T. MATERIALS)
 HORIZONTAL ALIGNMENT:
 POSTS SET IN CONTINUOUS HORIZONTAL ALIGNMENT (STRAIGHT LINES) SHALL MEET THE FOLLOWING ALIGNMENT CRITERIA:
 POST FACES WHEN CHECKED WITH A TAUT STRING LINE SHALL BE WITHIN 1/8", EITHER SIDE OF THE STRING, OVER THE ENTIRE CONTINUOUS RUN.
 ROTATIONAL ALIGNMENT OF INDIVIDUAL POSTS SHALL ALSO BE WITHIN 1/8".

VERTICAL ALIGNMENT:
 INDIVIDUAL POSTS SHALL BE PLUMB ON TWO OPPOSING FACES (90 DEGREE CORNERS) WHEN CHECKED WITH A BUILDER'S LEVEL. FINISH TRIMMED POST TOPS, WHERE IN A CONTINUOUS, EVEN, ELEVATION OR SLOPED PLANE, WHEN CHECKED WITH A TAUT STRING LINE SHALL BE WITHIN 1/8" EITHER SIDE OF THE STRING LINE. FINISH GRADE: FINAL DECK GRADES SHALL BE WITHIN 1/4" OF THE GRADES INDICATED ON THE DESIGN PROFILE OR GRADING PLAN. FIELD INSPECTION: PRIOR TO INSTALLATION OF BEAMS, JOISTS OR RAILING COMPONENTS, THE CONTRACTOR SHALL REQUEST AND OBTAIN APPROVAL OF POST LAYOUT AND ALIGNMENT.

POST EMBEDMENT CONSTRUCTION ENGINEERING AND INSPECTION:
 OWNER WILL EMPLOY A LICENSED SOIL ENGINEER TO VERIFY THAT SUITABLE EMBEDMENT HAS BEEN OBTAINED GIVEN THE SPECIFIC SOILS ENCOUNTERED AT EACH LOCATION. IF ADDITIONAL EMBEDMENT IS REQUIRED TO MEET BEARING CAPACITY AND STABILITY REQUIREMENTS, THE CONTRACTOR WILL BE COMPENSATED ACCORDING TO THE UNIT PRICE IN THE BID SCHEDULE FOR THIS LINE ITEM.

6) ELEVATED PEDESTRIAN FOOT BRIDGE - PVC FOUNDATION SLEEVE:
 SLEEVES SHALL BE FABRICATED FROM PVC GRAVITY SEWER PIPE. PIPE SHALL BE 9DR 35 IN LENGTHS AS DICTATED BY FIELD CONDITIONS AND DESIGN DOCUMENTS TO ASSURE APPROPRIATE EMBEDMENT. PIPE CUTS SHALL BE SQUARED WITH THE PIPE SIDE WALL TO ASSURE A FLAT, LEVEL TOP SURFACE WHEN PLUMBED. NOMINAL PIPE SIZE SHALL BE 10" WITH AVERAGE OUTSIDE DIAMETER OF 10.50" AND BASE INSIDE DIAMETER OF 9.56" AND MINIMUM WALL THICKNESS OF .30". PIPE SHALL BE AS MANUFACTURED BY CERTAINTED CORPORATION (OR APPROVED EQUAL) www.certainteed.com. PIPE DELIVERED UNDER THIS SPECIFICATION SHALL MEET THE REQUIREMENTS OF ASTM D 3034.
 EXECUTION: HOLES FOR PIPE SLEEVES MAY BE AUGURED OR HAND DUG, BUT SHALL BE PLUMB, ALIGNED ON CENTERS AND SET TO SPECIFIC GRADE PER DESIGN DOCUMENTS TO RECEIVE BEAM-TO-POST PLATE CONNECTORS (Alternative Foundation Type A) OR STANDARD SIMPSON CB44 POST CONNECTOR (Alternative Foundation Type B). SLEEVES SHALL BE CONCRETE FILLED WITH CONNECTORS IN PLACE AND ALIGNED TO RECEIVE BEAMS OR SUPPORT POSTS.

7) PILING SYSTEM: COMPOSITE FILESTPILINGS SHALL BE FEARSON, GLASS FIBER REINFORCED, THERMOSETTING PLANTIC FILES (508) 675-0534 (OR APPROVED EQUAL). THE COMPOSITE FILES SHALL BE HOLLOW CYLINDRICAL FILES FABRICATED USING A HIGH VACUUM INFUSION MOLDING PROCESS. THE TOLERANCE OF THE OUTSIDE DIAMETER SHALL BE EQUAL TO OR LESS THAN 1/4". THE EXTERIOR SURFACE SHALL BE HYDROLOGICALLY STABLE, ULTRAVIOLET LIGHT RESISTANT AND SELF-EXTINGUISHING. THERMOPLASTIC GLASS FIBERS SHALL BE E-GLASS (ELECTRICAL GRADE) WITH FILAMENT DIAMETERS BETWEEN 18 AND 26 MICRONS. THE GLASS FABRIC SHALL HAVE A MINIMUM DRY WEIGHT OF 123 OUNCES PER SQUARE YARD PER PLY. ALL LAYERS IN EACH PLY SHALL BE NEEDED TOGETHER WITH THROUGH-THE-THICKNESS GLASS FIBERS (Z-AXIS) THIS COMPRISING A THREE-DIMENSIONAL FIBER ARCHITECTURE. EACH PLY SHALL CONSIST OF A MINIMUM 50% AXIAL GLASS FIBERS. THE MATRIX SHALL BE A BISPHENOL-A TYPE EPOXY PRECURSOR THERMOSETTING RESIN THAT WILL BE TRANSPARENT FOR QUALITY CONTROL. THE EXTERIOR SURFACE SHALL BE A PERMANENTLY BONDED, HIGH DENSITY POLYOLEFIN. THIS POLYOLEFIN SHALL BE ABRASION RESISTANT WITH A COEFFICIENT OF FRICTION OF LESS THAN 3 AND BE ULTRAVIOLET LIGHT RESISTANT, HYDROLOGICALLY STABLE AND SUITABLE FOR THE MARINE ENVIRONMENT.

SITE CONDITIONS: THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL SITE CONDITIONS WHERE PILING IS TO BE PLACED. SITE CONDITIONS FOR THIS PROJECT ARE UNIQUE AND ACCESS IS CONSTRAINED. SOME CONDITIONS MAY REQUIRE LONG REACH BOOMS CAPABLE OF SUSPENDING AND SUPPORTING DRIVING AND / OR DRILLING EQUIPMENT OVER WORK ZONES. WATER ACCESS IS AVAILABLE, HOWEVER DRAFT FOR FLOATING EQUIPMENT PLATFORMS MAY BE LIMITING TO USAGE. IT IS ALSO RECOMMENDED THAT THE CONTRACTOR CONSULT THE PILING MANUFACTURER TO FULLY UNDERSTAND PROCEDURES AND THE EQUIPMENT NEEDS NORMALLY ASSOCIATED WITH SETTING COMPOSITE FILES.

GEO-TECHNICAL DATA: SUBSURFACE SOIL EXPLORATIONS HAVE BEEN CONDUCTED BY ARDAMAN 4 ASSOCIATES, INC, GEO-TECHNICAL, ENVIRONMENTAL, AND MATERIAL CONSULTANTS. THEIR ANALYSIS AND REPORT ARE AVAILABLE FOR REVIEW BY THE CONTRACTOR.

PILE LENGTH/EMBEDMENT DEPTH:
 -CANOE DOCK: 12' EMBEDMENT (TIP TO ELEVATION 100) PILE LENGTH MIN. 30'-0"
 -ELEVATED MONO-PILE BOARDWALK: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.
 -WILLIFORD SPRING OVERLOOK DECKS: 12' EMBEDMENT, FINISH TOP PER DESIGN ELEVATION.

PILE EMBEDMENT CONSTRUCTION ENGINEERING AND INSPECTION:
 OWNER WILL EMPLOY A LICENSED SOIL ENGINEER TO VERIFY THAT SUITABLE EMBEDMENT HAS BEEN OBTAINED GIVEN THE SPECIFIC SOILS ENCOUNTERED AT EACH LOCATION. IF ADDITIONAL EMBEDMENT IS REQUIRED TO MEET BEARING CAPACITY AND STABILITY REQUIREMENTS, THE CONTRACTOR WILL BE COMPENSATED ACCORDING TO THE UNIT PRICE IN THE BID SCHEDULE FOR THIS LINE ITEM.

FILLING PILES: ALL PILES AFTER PLACEMENT SHALL BE FILLED WITH CLEAN FILL SAND. DO NOT FILL UNTIL ALL CONNECTING BRACKETS ARE IN-PLACE AND SECURE. FILL WITH SAND COMPLETELY TO THE TOP AFTER INSTALLATION OF BRACKETS.

PILE CAPS: FOR CANOE DOCK INSTALL PVC OR OTHER DURABLE MATERIAL MANUFACTURED IN CONE SHAPE FOR CAPPING EXPOSED PILE ENDS. PILE CAPS ARE REQUIRED ON THE FLOATING / CANOE DOCK ONLY. SECURE EACH CAP WITH (8) SELF-TAPPING STAINLESS STEEL FASTENERS.

EROSION CONTROL AND WATER QUALITY: IN WATERS OF THE STATE, INSTALL AND MAINTAIN TURBIDITY BARRIERS IN ACCORDANCE WITH F.D.O.T. INDEX NO. 103.

CONSTRUCTION TOLERANCES: PILES SHALL BE SET TO ACHIEVE CONTINUOUS, STRAIGHT CENTERLINE ALIGNMENT AS INDICATED ON DESIGN PLANS. INDIVIDUAL PILES WITHIN THE ALIGNMENT SHALL BE PLUMB ABOUT THEIR CENTERLINE WHEN CHECKED WITH A PLUMB BOB. CENTERS OF PILES IN CONTINUOUS STRAIGHT RUNS SHALL BE WITHIN 1/4" WHEN CHECKED WITH A TAUT STRING LINE. PILES SHALL BE SPACED AT INTERVALS AND SET TO GRADE AS REQUIRED TO CONFORM WITH TYPICAL DETAILS AND / OR DESIGN SECTIONS. PILING SHALL BE FINISH TRIMMED TO MAINTAIN DESIGN ELEVATIONS LEAVING A NEATLY TRIMMED, EVEN PLANED AND UN-MARRED SURFACE FOR MOUNTING OF HANGERS, CONNECTORS AND FASTENERS. FINISH DECK GRADES SHALL BE WITHIN 1/4" OF GRADES INDICATED ON THE PROFILE, SECTION, OR GRADING PLAN. FIELD INSPECTION: PRIOR TO INSTALLATION OF BEAMS, JOISTS, OR BRACING COMPONENTS, THE CONTRACTOR SHALL REQUEST AND OBTAIN WRITTEN APPROVAL OF PILING LAYOUT.

8) ADA HANDRAIL SYSTEMS: (ALUMINUM PIPE) **[See Attachment A: Scope of work for changes]**

HANDRAILS SHALL BE CONTINUOUS THROUGHOUT THE ACCESSIBLE ROUTE, AND INSTALLED ON BOTH SIDES OF A BOARDWALK (OR OTHER ACCESS WAY AS MAY BE SHOWN IN DESIGN PLANS) THROUGH INTERMEDIATE LANDINGS ASSOCIATED WITH THE RAMP SYSTEM AND ON LANDINGS WHERE CHANGES IN DIRECTION OCCUR.

ALUMINUM PIPE HANDRAIL FABRICATIONS:
 ALUMINUM PIPE SHALL BE IN ACCORDANCE WITH "ALUMINUM FABRICATIONS AND MATERIALS". ALL CONNECTIONS SHALL BE FULLY WELDED AND BUFFED SMOOTH. RADIUS BENDS SHALL BE UNIFORM, WITHOUT CREASES OR DEFLECTIONS. ALL EXPOSED ENDS SHALL BE CAPPED, FULLY WELDED AND BUFFED SMOOTH. PROVIDE 3/16" DIAMETER DRILLED WEAR HOLES IN BOTTOM OF CONTIGUOUS RAIL SECTIONS TO DISSIPATE CONDENSATION. MOUNTING BRACKETS SHALL BE AS MANUFACTURED BY AVCON UTILIZING STAINLESS STEEL FASTENERS OR AS OTHERWISE SPECIFIED ON DESIGN PLANS. AVCON, INC. 1451 ROUTE 31, WEST TOMS RIVER, NEW JERSEY 08755 (OR APPROVED EQUAL)
 LOCAL REPRESENTATIVE: DINO NINAGGI (850) 522-1007.

ALUMINUM PIPE SIZE: 1.90 INCH DIAMETER
 FINISH: CLEAR ANODIZED, BRUSHED.
 SUBMITTALS: 1) SHOP DRAWINGS FOR ALL CONNECTION, MOUNTING AND TRANSITION DETAILS.
 2) MATERIAL SAMPLES WITH FINISH.

9) DECKING MATERIAL FOR BOARDWALKS, PEDESTRIAN BRIDGES AND VIEW DECK SYSTEMS: **[See Attachment A: Scope of work for changes]**
 DECKING AND SELECTIVE RAILING COMPONENTS SPECIFIED OTHER THAN WOOD SHALL BE "TREX" WOOD-POLYMER COMPOSITE AS MANUFACTURED BY TREX COMPANY, LLC-OR APPROVED EQUAL.
 SUBMITTALS: PRODUCT DATA

TREX COMPANY, LLC
 20 SOUTH CAMERON STREET
 WINCHESTER, VA.
 CONTACT: (800) 289-8139 FOR LOCAL DISTRIBUTOR / DEALERS.

10) BARRIER RAIL MESH:
 MESH SHALL BE 2"x2"x.135 H.D.G. WELDED WIRE MESH IN 2'X3'-0" PRE-CUT PANELS AS MANUFACTURED BY MCNICHOLS CO. (800) 231-3020 (OR APPROVED EQUAL).
 PANELS SHALL BE "TRIMMED" ON ALL FOUR SIDES WITH STUBS NOT TO EXCEED 1/8" IN LENGTH.

11) FASTENERS:
 ALL FASTENERS SHALL BE GRADE 316 STAINLESS STEEL (S.S.) UNLESS OTHERWISE NOTED ON DESIGN PLANS OR STATED HEREIN FOR A SPECIFIC APPLICATION. WOOD CONNECTIONS: WOOD CONNECTIONS SHALL UTILIZE RING SHANK STAINLESS STEEL NAILS OR SCREWS WITH COUNTERSINKING HEADS OF APPROPRIATE SIZE, LENGTH AND TYPE FOR THE INTENDED CONNECTION. (WIRE STAPLES SHALL NOT TO BE USED)
 FREE APPROVED SOURCES FOR FASTENERS: SWAN SECURE PRODUCTS (800) 366-2801 www.swansecure.com
 BANNER ELK TRADING CO., INC. ATLANTA GA. 1-877-909-8575 www.trimscrew.com

SCREWS: WHERE SPECIFIED FOR DECKING INSTALLATION ON BOARDWALKS OR VIEW DECKS, SCREWS SHALL BE R4 MULTI-PURPOSE AS MANUFACTURED BY BANNER ELK TRADING COMPANY, ATLANTA GA. (877) 909-8575 (OR APPROVED EQUAL) R4 SCREWS FOR DECKING INSTALLATION SHALL BE GRADE 305, PH HARDENED WITH TORX DRIVE, SELF COUNTERSINKING HEADS AND TYPE 11 SELF-TAPPING POINTS. SCREW SIZE FOR DECKING AND RAILING INSTALLATION SHALL BE 10 GAUGE, 3" LENGTH.

EXECUTION: WHERE NAILS AND / OR SCREWS ARE SPECIFIED FOR WOOD CONNECTIONS, PRE-DRILLING IS REQUIRED TO MINIMIZE SPLITTING. THIS SPECIFICALLY APPLIES TO HANDRAIL AND DECKING COMPONENT (TREX) INSTALLATION. PRE-DRILL ONLY, THE MEMBER TO BE SECURED- DRILL SIZE SHALL BE GAUGED TO ALLOW FULL THREAD PENETRATION.
 SUBMITTALS: MANUFACTURERS CERTIFICATION DATA AND SAMPLES OF PROPOSED FASTENERS.

NAILS AND SCREWS SHALL NOT PROTRUDE FROM VISIBLY EXPOSED SURFACES.

12) STEEL HANGERS AND CONNECTORS:
 ALL PREFABRICATED HANGERS AND CONNECTORS SHALL BE "Z-MAZ" COATING AS MANUFACTURED BY SIMPSON STRONG-TIE CO.,INC. (OR APPROVED EQUAL) UNLESS OTHERWISE NOTED ON DESIGN PLANS.
 SHOP FABRICATED STEEL PLATE CONNECTORS AND SUPPORT SYSTEMS: CONSTRUCT WITH GAUGES SPECIFIED ON DESIGN PLANS AND HOT-DIPPED GALVANIZED MEETING ASTM A153. ALL BENDING, DRILLING AND WELDING SHALL BE COMPLETED PRIOR TO GALVANIZING. ALL MATERIALS UTILIZED FOR FABRICATIONS SHALL BE PREPARED BY SAW CUTTING OR SHEARING - EDGES SHALL BE CLEAN, FREE OF BURRS AND TRUE TO DIMENSION. SUBMIT SHOP DRAWINGS FOR ALL SHOP FABRICATED HANGERS, CONNECTORS AND STEEL SUPPORT SYSTEMS.

BOLTS AND BOLTING: ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED (H.D.G.) UNLESS OTHERWISE SPECIFIED ON DESIGN PLANS. BOLT HEAD AND NUT SHALL BE DRAIN DOWN SECURELY TO THE FACE OF THE MEMBER BEING SECURED. MACHINE BOLT (HEX BOLT) INSTALLATION SHALL INCLUDE ONE WASHER AT HEAD AND THREADED ENDS WHERE IN DIRECT CONTACT WITH A WOOD SURFACE. NO WASHER IS REQUIRED WHERE MACHINE BOLT HEAD OR NUT BEAR TO THE FACE OF METAL HANGERS, UNLESS OTHERWISE SHOWN OR SPECIFIED ON DESIGN PLANS. CARRIAGE BOLTS, WHERE SPECIFIED, SHALL UTILIZE A SINGLE WASHER AT THE THREADED ENDS. GENERALLY, NO BOLT END SHALL PROTRUDE FROM THE WOOD CONNECTION GREATER THAN THREE TIMES ITS DIAMETER. BOLTS OF APPROPRIATE LENGTH SHALL BE INSTALLED - SAW CUTTING BOLT ENDS TO OBTAIN PROPER PROJECTION IS NOT ACCEPTABLE. THREADED ROD SHALL NOT BE USED IN LIEU OF BOLTS.

GALVANIZED HARDWARE: BOLTS, NUTS, AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A153.
 HOT-DIPPED GALVANIZING (H.D.G.): SHALL BE A ZINC COATING APPLIED BY DIPPING INTO A MOLTEN BATH OF ZINC AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A123.
 STAINLESS STEEL HARDWARE: SHALL BE TYPE 316, UNLESS OTHERWISE NOTED ON PLANS.

EXECUTION:
 HOLES FOR BOLTS AND LAGS: HOLES FOR THROUGH BOLTING IN WOOD SHALL BE BORED WITH A BIT OF THE SAME DIAMETER AS THE BOLT. HOLES FOR LAGS SHALL BE BORED WITH A BIT NO LARGER THAN THE BODY OF THE SCREW AT THE BASE OF THE THREAD.
 NAILS AND SCREWS SHALL NOT PROTRUDE FROM VISIBLY EXPOSED SURFACES.

13) CONCRETE:
 CONCRETE: (DESIGN PER CURRENT EDITION ACI 318)
 SLAB ON GRADE: F'c=3000 PSI
 ROADWAY HEADERS AND PAVEMENTS: F'c=4000 PSI
 ALL OTHER CONCRETE: F'c=3000 PSI
 ALL CONCRETE SHALL BE PROPORTIONED, MIXED, PLACED, FINISHED, AND CURED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318. LATEST CEMENT: ASTM C150 LATEST AGGREGATES: ALL AGGREGATES SHALL CONFORM TO ASTM C33 LATEST, CLASS 45.

FINE AGGREGATE: SHALL BE WASHED NATURAL SAND, CLEAN, SOUND, SHARP, SCREENED, AND WELL-GRADED WITH NO GRAIN LARGER THAN WILL PASS A NO. 4 SIEVE.
 NOT LESS THAN 15%, NOR MORE THAN 30% BY WEIGHT SHALL PASS A NO. 50 SIEVE. NO FINE AGGREGATE SHALL BE USED IF IT CONTAINS MORE THAN 1% BY WEIGHT OF DELETERIOUS SUBSTANCES OR WHICH SHOWS A COLOR DARKER THAN PLATE 2 WHEN TESTED ACCORDING TO ASTM C40 LATEST.

COARSE AGGREGATE: SHALL BE WASHED, HARD, TOUGH, AND DURABLE SCREENED GRAVEL OR CRUSHED STONE HAVING NO MORE THAN 5% BY WEIGHT OF DELETERIOUS SUBSTANCES AND SOFT FRAGMENTS. AGGREGATE SHALL BE WELL GRADED FROM THE LARGEST WHICH PASS A 1" MESH TO THE SMALLEST WHICH SHALL PASS A 3/8" MESH AND BE RETAINED BY A 1/4" MESH. ABRASION LOSS SHALL NOT EXCEED THE PERCENTAGES CONTAINED IN ASTM C33 LATEST, WHEN TESTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED THEREIN. NO COARSE AGGREGATE SHALL BE USED IF IT CONTAINS MORE THAN 1% SILT OR WHICH SHOWS A COLOR DARKER THAN PLATE 1 WHEN TESTED ACCORDING TO ASTM C40 LATEST.

WATER: MIXING WATER FOR CONCRETE SHALL BE CLEAN, FRESH, AND SUITABLE FOR DRINKING AND SHALL NOT CONTAIN INJURIOUS AMOUNTS OF OIL, ACID, ALKALI, ORGANIC MATTER, OR OTHER DELETERIOUS SUBSTANCES, EXCEPT AS SPECIFICALLY APPROVED BY THE ENGINEER.

QUALITY CONTROL: CONCRETE, WHEN PLACED, SHALL BE OF A PLASTIC CONSISTENCY SUCH THAT IT CAN BE READILY WORKED INTO ALL PARTS OF THE FORMS AND AROUND EMBEDDED ITEMS WITHOUT SEGREGATION OF MATERIALS OR ACCUMULATION OF FREE WATER ON THE SURFACE. EXCEPT AS MAY BE SPECIFIED FOR SPECIAL FINISHES, SLUMP AS MEASURED IN ACCORDANCE WITH ASTM C143, LATEST, SHALL BE AS FOLLOWS:
 4000 PSI: NOT LESS THAN 1-1/2" AND NOT MORE THAN 3-1/2".
 3000 PSI: NOT LESS THAN 2" AND NOT MORE THAN 5".

CONCRETE JOINTING: CONCRETE JOINTING AND JOINT LAYOUT SHALL BE IN ACCORDANCE WITH ACI 330 UNLESS OTHERWISE SHOWN BY DESIGN DETAIL.

14) REINFORCEMENT:
 REINFORCING STEEL: ASTM A615, GRADE 60
 WELDED WIRE FABRIC: ASTM A185
 UNLESS OTHERWISE NOTED ON DESIGN PLANS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:
 FOOTINGS: 3"
 COLUMNS AND PEDESTALS: 2"
 SLABS ON GRADE: 2" FROM TOP

ALL REINFORCEMENT SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRS1 MANUAL OF STANDARD PRACTICE AND ACI 315 DURING PLACING OF CONCRETE.
 UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS:
 WELDED WIRE FABRIC: WIRE SPACING PLUS 6"
 REINFORCING BARS: 48 BAR DIAMETERS
 ALL HOOKS IN REINFORCING BARS SHALL BE PER ACI STANDARDS, UNLESS OTHERWISE NOTED.
 DOUELS WHERE INDICATED SHALL BE PLACED AND SECURED PRIOR TO CONCRETE PLACEMENT.


15) FOUNDATIONS:
 IF FOOTING ELEVATIONS INDICATED ON DESIGN PLANS OCCUR IN A DISTURBED, UNSTABLE, OR UNSUITABLE SOIL, THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED.

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NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	PROJECT NUMBER
			J.C.P.	J.C.P.	7137-008
					DATE
					04/25/14

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PREPARED FOR: 

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CONSTRUCTION NOTES AND SPECIFICATIONS

WILLIFORD SPRING RESTORATION ECONFINA SPRINGS COMPLEX

HS.38

ISSUED FOR CONSTRUCTION