



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

September 1, 2021

Regulatory Division
North Permits Branch
Pensacola Permits Section
SAJ-2016-03427 (SP-HMM)

Escambia County Board of County Commissioners
Colby Brown, Engineering
3363 West Park Place
Pensacola, FL 32505

Dear Mr. Simpson:

The U.S. Army Corps of Engineers (Corps) is pleased to enclose the Department of the Army permit, which should be available at the construction site. Work may begin immediately but the Corps must be notified of:

- a. The date of commencement of the work,
- b. The dates of work suspensions and resumptions of work, if suspended over a week, and
- c. The date of final completion.

This information should be mailed to the Enforcement Section of the Regulatory Division of the Jacksonville District at saj-rd-enforcement@usace.army.mil. The Enforcement Section is also responsible for inspections to determine whether Permittees have strictly adhered to permit conditions.

IT IS NOT LAWFUL TO DEVIATE FROM
THE APPROVED PLANS ENCLOSED.

Sincerely,

A handwritten signature in black ink, appearing to read "SHAWN H. ZINSZER".

for Shawn H. Zinszer
Chief, Regulatory Division

Enclosures

DEPARTMENT OF THE ARMY PERMIT

Permittee: Escambia County Board of County Commissioners,
Colby Brown, Engineering
3363 West Park Place
Pensacola, FL 32505

Permit No: SAJ-2016-03427 (SP-HMM)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To discharge fill over 0.40 acres of forested wetlands, 0.03 acres of emergent wetlands, and 145 square feet of submerged (salt-tolerant freshwater) aquatic vegetation for the construction of a 2-lane public boat ramp with associated access piers, parking, access road, and stormwater management facility. The access piers will consist of two L-shaped docks measuring 162 feet by 6 feet and 161 feet by 6 feet. The work also includes the hydraulic dredging of 7,245 cubic yards of sediments from a 3.09-acre area to -5 feet mean low water for the construction of a 40-foot wide access channel through Heron Bayou to Perdido Bay. Dredged sediments will be placed in a spoil disposal cell located in adjacent uplands with no return water to waters of the United States.

The work described above is to be completed in accordance with the 37 (thirty-seven) pages of drawings (Attachment 1) and 7 additional attachments affixed at the end of this permit instrument.

Project Location: The project would affect waters of the United States associated with Heron Bayou and Perdido Bay. The project is located at 10836 Lillian Highway, in Section 16, Township 2 South, Range 31 West, in Pensacola, Escambia County, Florida.

Directions to site: From downtown Pensacola, proceed east on US Highway 98 to State Highway 298/Lillian Highway. Turn north on Highway 298/Lillian Highway and proceed 0.4 miles. The site is located on the west side of the road at 10836 Lillian Highway.

Approximate Central Coordinates: *Latitude 30.408325° North*
Longitude 87.373028° West

PERMIT CONDITIONS

General Conditions:

1. The time limit for completing the work authorized ends on **September 1, 2026**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided, and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions (Attachment 2).
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:

- a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).
- b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, SAJ-2016-03427 (SP- HMM), on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit the Permittee shall submit a completed "Commencement Notification" Form ([Attachment 3](#)).
3. **Self-Certification:** Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form ([Attachment 4](#)) and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.
4. **Erosion Control:** Prior to the initiation of any land-based work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized.
5. **Fill Material:** The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.
6. **Turbidity Barriers:** Prior to the initiation of any of the in-water work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all suspended

and erodible materials have been stabilized. Turbidity barriers shall be removed upon stabilization of the work area.

7. **Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
8. **Dredged material Disposal:** The Permittee shall place all dredged material in a self-contained, upland disposal site as detailed on Drawings 32 and 33 of 37. The Permittee shall maintain the upland disposal site to prevent the discharge of dredged material and associated effluent into waters of the United States.
9. **Compensatory Mitigation:** Within 30 days from the date of initiating the work authorized by this permit, the Permittee shall complete the following mitigation objectives in accordance with the approved compensatory mitigation plan (Attachment 5) as detailed on Drawings 32 and 37 of 37: **The conditions of this permit shall supersede the attached Compensatory Mitigation Plan if there appears to be discrepancy between the two documents.
 - a. *Wetland Preservation:* Preserve 10.70 acres of on-site wetlands and 3.59 acres of on-site upland buffers. These areas will be monitored for exotic and nuisance plant species and treatment applied, if necessary, to meet the below listed performance standards.
 - b. *Wetland Enhancement and Preservation:* Enhance and preserve 0.40 acre of onsite wetlands by inter-planting 3-gallon sized containerized sweetbay magnolia (*Magnolia virginiana*), blackgum (*Nyssa sylvatica*), and pond cypress (*Taxodium ascendens*) on twelve-foot centers and preserve 0.36 acre of on-site upland buffers. Enhancement includes the removal and perpetual management of exotic and nuisance plant species to meet the below listed performance standards.
10. **Performance Standards:** To meet the objectives of the approved compensatory mitigation plan, the Permittee shall achieve the following performance standards:
 - a. At least 80 percent cover by appropriate wetland species (i.e., FAC or wetter).

- b. Cover of Category I and II invasive exotic plant species, pursuant to the most current list established by the Florida Exotic Pest Plant Council at <http://www.fleppc.org> shall total no more than 1 percent.
- c. Less than 10 percent mortality of planted wetland species.
- d. Hydrologic enhancement will result in soils that are, at a minimum, saturated to the surface between 5 and 12.5 percent of the growing season.

The Permittee shall achieve the above performance standards by the end of the 5-year monitoring period, with no maintenance during the 5th year of monitoring. In the event that the above performance standards have not been achieved, the Permittee shall undertake a remediation program approved by the Corps in accordance with the **Remediation** Special Condition of this permit.

11. **Monitoring and Reporting Timeframes:** To document achievement of the performance standards identified in the **Compensatory Mitigation** Special Condition of this permit, the Permittee shall complete the following:
- a. Perform a time-zero monitoring event of the wetland mitigation area(s) within 60 days of completion of the compensatory mitigation construction and implementation activities identified in the **Compensatory Mitigation** Special Condition of this permit.
 - b. Submit the time-zero report to the Corps within 60 days of completion of the monitoring event. The report will include at least one paragraph depicting baseline conditions of the mitigation site(s) prior to initiation of the compensatory mitigation objectives and a detailed plan view drawing of all created, enhanced and/or restored mitigation areas.
 - c. Subsequent to completion of the compensatory mitigation objectives, perform semi-annual monitoring of the wetland mitigation areas for the first 2 years and annual monitoring thereafter for a total of no less than 5 years of monitoring.
 - d. Submit annual monitoring reports to the Corps within 60 days of completion of the monitoring event. Semi-annual monitoring will be combined into one annual monitoring report.
 - e. Monitor the mitigation area(s) and submit annual monitoring reports to the Corps until released in accordance with the **Mitigation Release** Special Condition of this permit.

12. **Reporting Format:** The Permittee shall submit all monitoring documentation to the Corps on 8½-inch by 11-inch paper, and include the following:

a. Project Overview:

- (1) Department of the Army Permit Number
- (2) Name and contact information of Permittee and consultant
- (3) Name of party responsible for conducting the monitoring and the date(s) the inspection was conducted.
- (4) A brief paragraph describing the purpose of the approved project, acreage and type of aquatic resources impacted, and mitigation acreage and type of aquatic resources authorized to compensate for the aquatic impacts.
- (5) Written description of the location, any identifiable landmarks of the compensatory mitigation project including information to locate the site perimeter(s), and coordinates of the mitigation site (expressed as latitude, longitude, UTM's, state plane coordinate system, etc.).
- (6) Dates compensatory mitigation commenced and/or was complete.
- (7) Short statement on whether the performance standards are being met.
- (8) Dates of any recent corrective or maintenance activities conducted since the previous report submission.
- (9) Specific recommendations for any additional corrective or remedial actions.

b. Requirements: List the monitoring requirements and performance standards, as specified in the approved mitigation plan and special conditions of this permit, and evaluate whether the compensatory mitigation project site is successfully achieving the approved performance standards or trending towards success. A table is a recommended option for comparing the performance standards to the conditions and status of the developing mitigation site.

c. Summary Data: Summary data should be provided to substantiate the success and/or potential challenges associated with the compensatory mitigation project. Photo documentation may be provided to support the findings and recommendations referenced in the monitoring report and to assist the PM in assessing whether the compensatory mitigation project is meeting applicable performance standards for that monitoring period. Submitted photos should be formatted to print on a standard 8½-inch x 11-inch piece of paper, dated, and clearly labeled with the direction from which the photo was taken. The photo location points should also be identified on the appropriate maps.

- d. **Maps and Plans:** Maps shall be provided to show the location of the compensatory mitigation site relative to other landscape features, habitat types, locations of photographic reference points, transects, sampling data points, and/or other features pertinent to the mitigation plan. In addition, the submitted maps and plans should clearly delineate the mitigation site perimeter(s). Each map or diagram should be formatted to print on a standard 8½-inch x 11-inch piece of paper and include a legend and the location of any photos submitted for review. As-built plans may be included.
 - e. **Conclusions:** A general statement shall be included that describes the conditions of the compensatory mitigation project. If performance standards are not being met, a brief explanation of the difficulties and potential remedial actions proposed by the Permittee or sponsor, including a timetable, shall be provided. The District Commander will ultimately determine if the mitigation site is successful for a given monitoring period.
13. **Remediation:** If the compensatory mitigation fails to meet the performance standards 5 years after completion of the compensatory mitigation objectives, the compensatory mitigation will be deemed unsuccessful. Within 60 days of notification by the Corps that the compensatory mitigation is unsuccessful, the Permittee shall submit to the Corps an alternate compensatory mitigation proposal sufficient to create the functional lift required under this permit. The alternate compensatory mitigation proposal may be required to include additional mitigation to compensate for the temporal loss of wetland functions associated with the unsuccessful compensatory mitigation activities. The Corps reserves the right to fully evaluate, amend, and approve or reject the alternate compensatory mitigation proposal. Within 120 days of Corps approval, the Permittee will complete the alternate compensatory mitigation proposal.
14. **Mitigation Release:** The Permittee's responsibility to complete the required compensatory mitigation, as set forth in the Compensatory Mitigation Special Condition of this permit will not be considered fulfilled until mitigation success has been demonstrated and written verification has been provided by the Corps. A mitigation area which has been released will require no further monitoring or reporting by the Permittee; however the Permittee, Successors and subsequent Transferees remain perpetually responsible to ensure that the mitigation area(s) remain in a condition appropriate to offset the authorized impacts in accordance with General Condition 2 of this permit.
15. **Conservation Easement:** The Permittee shall have a legally sufficient conservation easements prepared to ensure to the Corps' satisfaction the areas referenced in the Compensatory Mitigation Special Condition will remain in their natural state in perpetuity. The conservation easement will encompass 10.70 acres of wetlands and 3.59 acres of uplands. These natural preserve areas will

not be disturbed by any dredging, filling, land clearing, agricultural activities, planting, or other construction work whatsoever except as required or authorized by this permit. The Permittee agrees that the only future utilization of the preserved areas in question will be as a purely natural area. To show compliance with this condition the Permittee shall complete the following:

- a. Within 30 days from the date of initiating the authorized work submit to the Corps the draft conservation easement document with a legal description, survey, and scale drawings, of the area in question. The Corps shall have all rights of the Grantee in the conservation easement. The following paragraph shall be incorporated in the conservation easement document:

Rights of U.S. Army Corps of Engineers (Corps). The Corps, as a third-party beneficiary, shall have the right to enforce the terms and conditions of this Conservation Easement, including:

- (1) The right to take action to preserve and protect the environmental value of the Property;
- (2) The right to prevent any activity on or use of the Property that is inconsistent with the purpose of this Conservation Easement, and to require the restoration of areas or features of the Property that may be damaged by any inconsistent activity or use;
- (3) The right to enter upon and inspect the Property in a reasonable manner and at reasonable times to determine if Grantor or its successors and assigns are complying with the covenants and prohibitions contained in this Conservation Easement;
- (4) The right to enforce this Conservation Easement by injunction or proceed at law or in equity to enforce the provisions of this Conservation Easement and the covenants set forth herein, to prevent the occurrence of any of the prohibited activities set forth herein, and the right to require Grantor, or its successors or assigns, to restore such areas or features of the Property that may be damaged by any inconsistent activity or use or unauthorized activities; and

The Grantor, including their successors or assigns, shall provide the Corps at least 60 days advance notice in writing before any action is taken to amend, alter, release, or revoke this Conservation Easement. The Grantee shall provide reasonable notice and an opportunity to comment or object to the release or amendment to the Corps. The Grantee shall consider any comments or objections from the U.S. Army Corps of Engineers when making the final decision to release or amend this Conservation Easement.

- b. Within 30 days from the date of initiating the authorized work submit to the Corps a title insurance commitment with the draft conservation easement document, IN FAVOR OF THE GRANTEE, for the property which is being offered for preservation to show that the Permittee has clear title to the real property and can legally place it under a conservation easement. Any existing liens or encumbrances on the property shall be subordinated to the conservation easement. At the time of recordation of the conservation easement, a title insurance policy shall be provided to the Corps in an amount equal to the current market value of the property.
- c. Within 30 days of Corps' approval of the draft conservation easement, the Permittee will record the easement in the public records of Escambia County, Florida. A certified copy of the recorded document, plat, and verification of acceptance from the grantee shall be forwarded to the Corps within 60 days of Corps' approval of the draft conservation easement.
- d. In the event this permit is transferred, proof of delivery of a copy of the recorded conservation easement to the subsequent Permittee or Permittees shall be submitted to the Corps together with the notification of permit transfer.

The Grantee shall not assign its rights or obligations under this conservation easement except to another organization qualified to hold such interests under the applicable state and federal laws, including §704.06 Florida Statutes, and committed to holding this conservation easement exclusively for conservation purposes. The Corps shall be notified in writing of any intention to reassign the conservation easement to a new grantee and shall approve the selection of the grantee. The new grantee shall accept the assignment in writing and a copy of this acceptance delivered to the Corps. The conservation easement shall then be re-recorded and indexed in the same manner as any other instrument affecting title to real property and a copy of the recorded conservation easement furnished to the Corps.

16. Perpetual Conservation: The Permittee shall maintain the 0.40-acre compensatory mitigation enhancement area as detailed on Drawings 32 and 37 of 38 in its natural state in perpetuity. The Permittee agrees that the only future utilization of this area will not be in conflict with the intended ecological function of the site and the following uses and/or activities will be prohibited except as required or authorized by this permit:

- a. Construction or placing buildings, roads, signs, billboards or other advertising, utilities or other structures on or above the ground.

- b. Dumping or placing soil or other substance or material as landfill or dumping or placing of trash, waste or unsightly or offensive material:
 - c. Removal or destruction of trees, shrubs, or other vegetation.
 - d. Excavation, dredging or removal of loam, peat, gravel, soil, rock, or other material substance in such a manner as to affect the surface.
 - e. Surface use, except for purposes that permit the land or water area to remain predominantly in its natural condition.
 - f. Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation.
 - g. Acts or uses detrimental to such retention of land or water areas.
 - h. Acts or uses detrimental to the preservation of the structural integrity or the physical appearance of sites or properties of historical, architectural, or cultural significance.³¹⁰
17. **Wetland Avoidance Areas:** The Permittee shall avoid the remaining 0.49 acre of onsite wetlands (0.17-acre, 0.11-acre, and 0.21-acre areas), as detailed on Drawing 37 of 37. These wetland areas were avoided as part of this permit application review process; and, therefore, the remaining wetland areas will not be disturbed by any activities that would degrade the ecological integrity of the site including dredging, filling, land clearing, or other construction work whatsoever except as required or authorized by this permit. The Corps reserves the right to deny review of any requests for future impacts to these avoided wetland areas.
18. **Agency Changes/Approvals:** Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the Permittee is advised a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the Pensacola Permits Section. The Corps reserves the right to fully evaluate, amend, and approve or deny the request for modification of this permit.
19. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.
20. **Eastern Indigo Snake Protection Measures and Inspection:** Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated August 12, 2013, as provided in Attachment 6 of this permit. All gopher tortoise burrows, active or inactive, shall be evacuated prior to

site manipulation in the vicinity of the burrow. If excavating potentially occupied burrows, active or inactive, individuals must first obtain state authorization via a Florida Fish and Wildlife Conservation Commission (FWC) Authorized Gopher Tortoise Agent permit. The excavation method selected shall minimize the potential for injury of an indigo snake. The Permittee shall follow the excavation guidance provided in the most current FWC Gopher Tortoise Permitting Guidelines found at <http://myfwc.com/gophertortoise>. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. Holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area, and if occupied by an indigo snake, no work shall commence until the snake has vacated the vicinity of the proposed work.

21. **Manatee Conditions:** The Permittee shall comply with the attached “Standard Manatee Conditions for In-Water Work – 2011” ([Attachment 7](#)).
22. **Sea Turtle and Smalltooth Sawfish Conditions:** The Permittee shall comply with National Marine Fisheries Service's “Sea Turtle and Smalltooth Sawfish Construction Conditions” dated March 23, 2006, ([Attachment 8](#)).
23. **Cultural Resources/Historic Properties:**
 - a. No structure or work shall adversely affect impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.
 - b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.
 - c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5).

Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

- d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
 - (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
 - (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).
 - () Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).
2. Limits of this authorization.
 - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
 - b. This permit does not grant any property rights or exclusive privileges.
 - c. This permit does not authorize any injury to the property or rights of others.
 - d. This permit does not authorize interference with any existing or proposed Federal projects.
3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
 - a. Damages to the permitted project or uses thereof as a result of other

permitted or unpermitted activities or from natural causes.

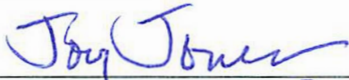
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
 - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
 - d. Design or construction deficiencies associated with the permitted work.
 - e. Damage claims associated with any future modification, suspension, or revocation of this permit.
4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.
5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
- a. You fail to comply with the terms and conditions of this permit.
 - b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).
 - c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

PERMIT NUMBER: SAJ-2016-03427
PERMITTEE: Escambia County BOCC-Perdido Bay Boat Ramp
PAGE 14 of 16

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



(PERMITTEE) County Engineer


9.1.2021

(DATE)

D. Joy Jones, PE

(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)
Andrew D. Kelly, Jr.
Colonel, U.S. Army
District Commander

09/01/2021

(DATE)

PERMIT NUMBER: SAJ-2016-03427
PERMITTEE: Escambia County BOCC-Perdido Bay Boat Ramp
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When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. **To validate the *transfer* of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.**

(TRANSFEREE-SIGNATURE)

(DATE)

(NAME-PRINTED)

(ADDRESS)

(CITY, STATE, AND ZIP CODE)

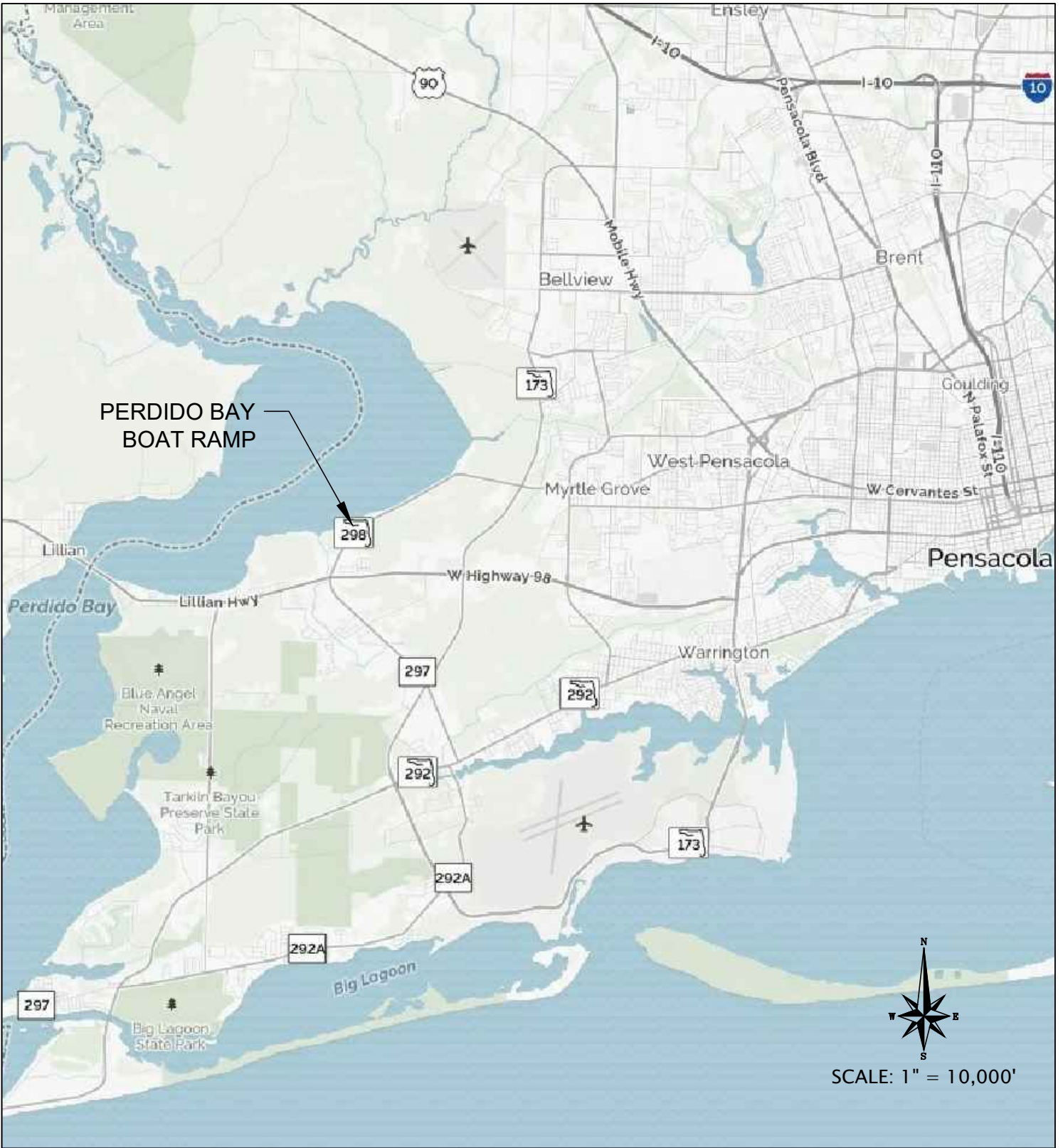
***Attachments to Department of the Army
Permit Number SAJ-2016-02467***

1. PERMIT DRAWINGS: (37 pages)
2. WATER QUALITY CERTIFICATION: Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 2 of this DA permit. (5 pages)
3. COMMENCEMENT NOTIFICATION: (1 page)
4. SELF-CERTIFICATION FORM: (1 page)
5. COMPENSATORY MITIGATION PLAN (59 pages) (Excluding Appendices B, C, and H)
6. INDIGO SNAKE CONDITIONS: (6 pages)
7. STANDARD MANATEE CONDITIONS: (1 page)
8. SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS (which apply to Gulf sturgeon): (1 page)

ATTACHMENT 1


Permit Drawings

(37 Pages)



p:\368117 - esco perdido bay boat ramp\Drawings\Civil\lead drawings\Sheets\Creege & fill permit set\01 - Cover Sheet.dwg Aug 28, 2017 - 8:26AM r1836256

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp			
Date	Drawn	Checked	Approved
Aug. 2017	C. Riley		S. White



**MOTT
MACDONALD**

Mott MacDonald Florida, LLC.
 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
 T +1 (850) 484 6011
www.mottmac.com/americas

Architects Engineers Surveyors
 AA - C0000035 EB - 0000155 LB - 0006783

Scale at ANSI A	Drawing Number	Status	Rev
1:2500	01 - Cover Sheet		

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CHANNEL MARKER

MATCHLINE - SEE SHT. 03

MEAN HIGH WATER
LINE ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16





SCALE: 1" = 300'

1' WOODEN
SEA WALL

SAWGRASS

APPROXIMATE
HERON BAYOU

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Drawings\Sheets\Creege & fill permit set\02 Existing Site.dwg Aug 28, 2017 - 8:26AM rli36256

-  FDEP/ACOE JURISDICTIONAL WETLANDS
-  SAWGRASS/MARSH

UsACE Edit in blue (Aug 2021)

SITE CHARACTERISTICS		
	SQ. FT.	AC.
TOTAL SITE AREA	1,436,913	32.99
UPLANDS	925,657	21.25
WETLANDS	523,790	12.02

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp

M M
MOTT MACDONALD

Mott MacDonald Florida, LLC.
220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:300	02 - Existing Site		

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SCALE: 1" = 300'



MATCHLINE - SEE SHT. 02

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp	
Date	Drawn
Aug. 2017	C. Riley

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Mott MacDonald Florida, LLC.
 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
 T +1 (850) 484 6011
 www.mottmac.com/americas

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Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:300	03 - Existing Site		

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ATCHLINE - SEE SHT. 05



SCALE: 1" = 300'

MEAN HIGH WATER
LINE ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16

WETLAND 'A'
FDEP/ACOE WETLANDS
IMPACT - 17,165 SF
SECONDARY IMPACTS - 3,998 SF
CUT - 0.14 CY
FILL - 1,563 CY

WETLAND 'B'
FDEP/ACOE WETLANDS
SECONDARY IMPACT - 516 SF

ACCESS CHANNEL 'A'
SURFACE WATER
IMPACT - 67,518 SF
CUT - 2,726 CY
FILL - 0 CY

FDEP/ACOE
WETLAND/MARSH
IMPACT - 1,097 SF
CUT - 87 CY
FILL - 0 CY

WETLAND 'C'
FDEP/ACOE WETLANDS
TEMPORARY IMPACT - 25 SF
SECONDARY IMPACT - 727 SF

WETLAND 'D'
FDEP/ACOE WETLANDS
SECONDARY IMPACT - 210 SF



FDEP/ACOE JURISDICTIONAL WETLANDS



25' UPLAND BUFFER



SECONDARY WETLAND IMPACTS



SAWGRASS/MARSH



PERMANENT WETLAND IMPACT



AREA OF SURFACE WATER IMPACTS

Project: Perdido Bay
Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



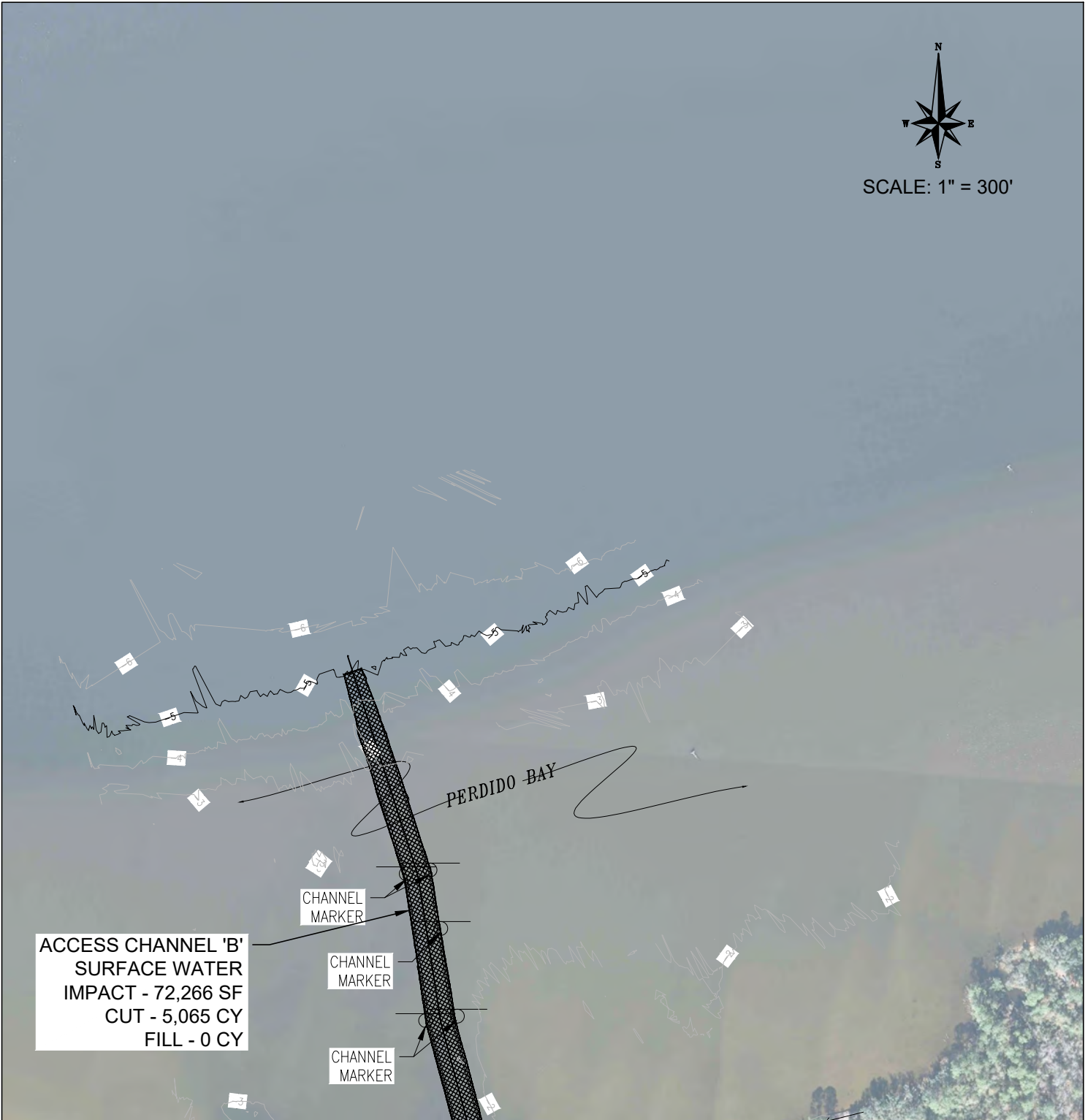
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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

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Aug. 2017	C. Riley		S. White	1:300	04 - Proposed Site		



SCALE: 1" = 300'



MATCHLINE - SEE SHT. 04

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners Escambia County
Purpose: Boat Ramp



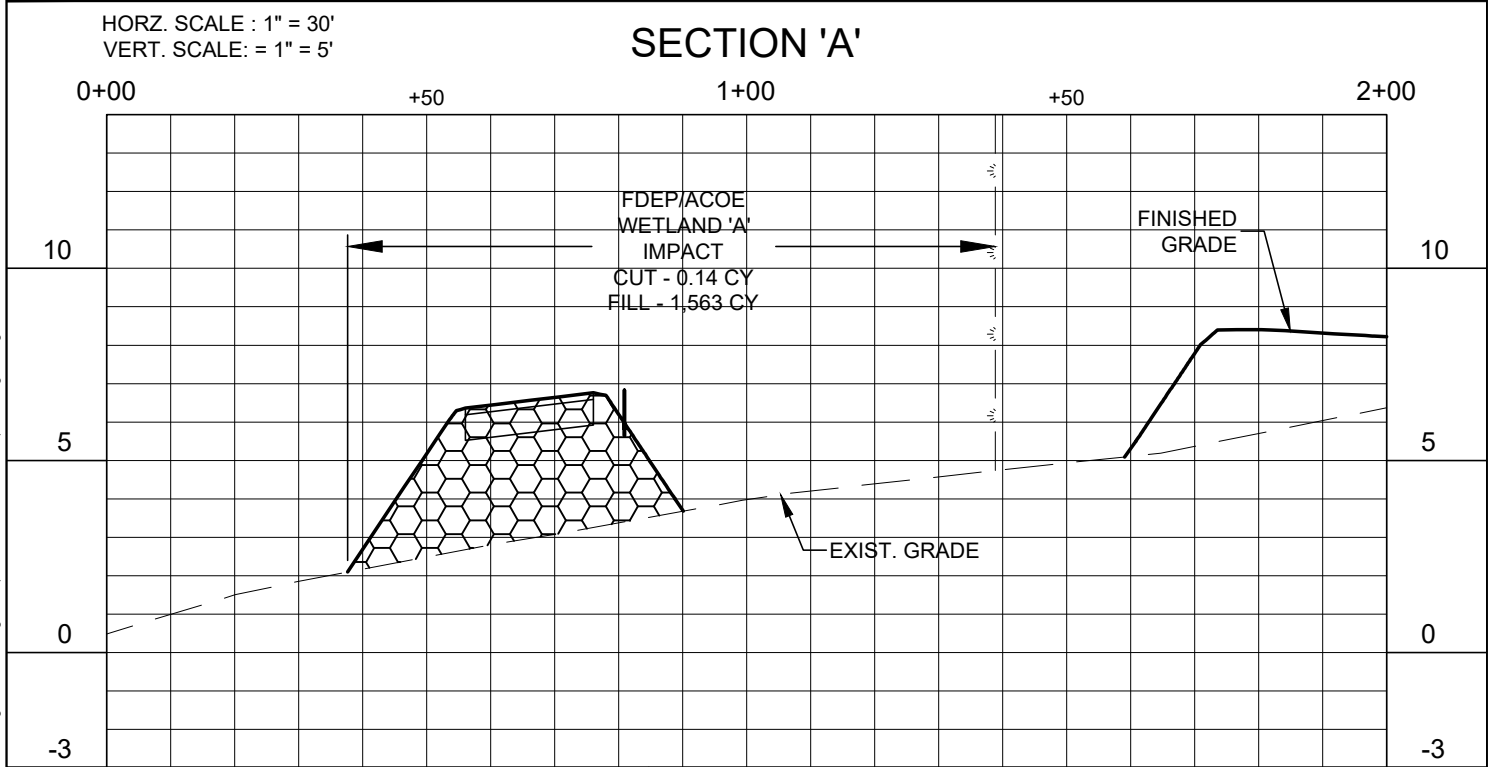
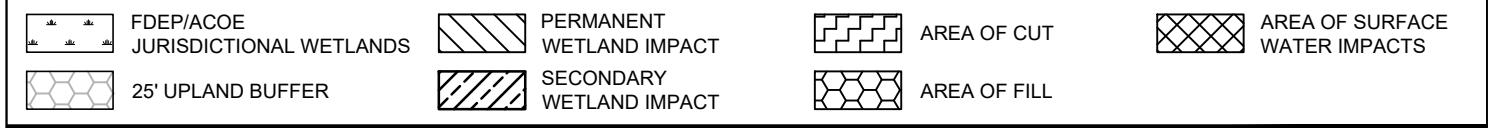
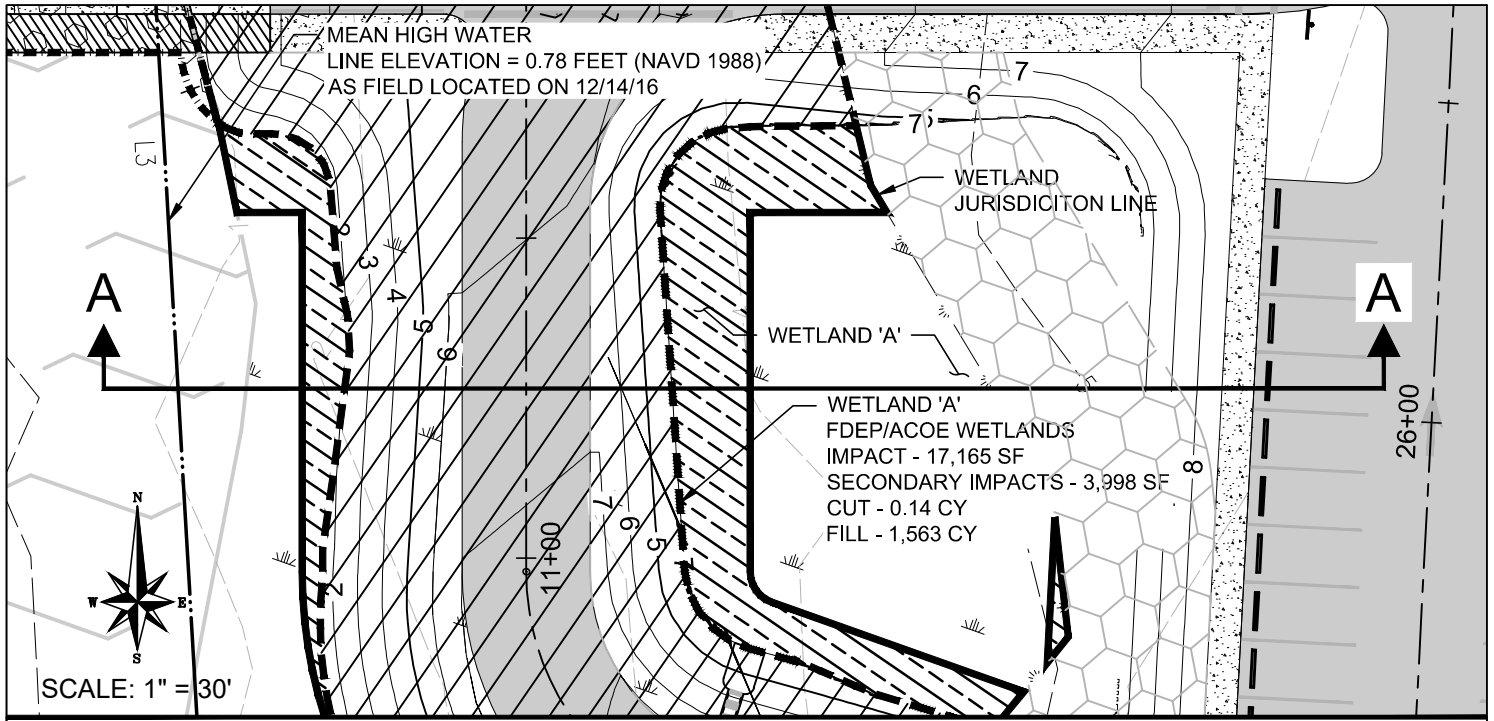
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Aug. 2017	C. Riley		S. White	1:300	05 - Proposed Site		

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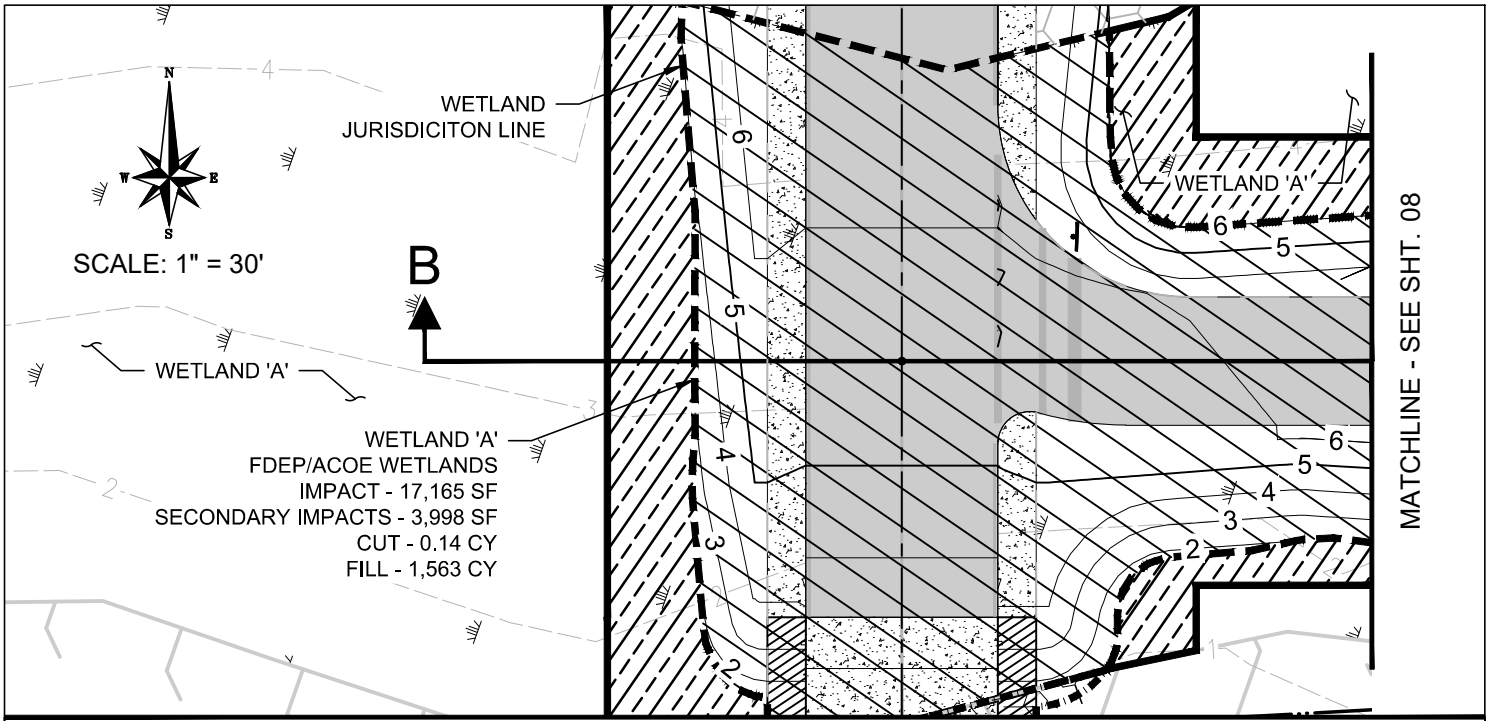
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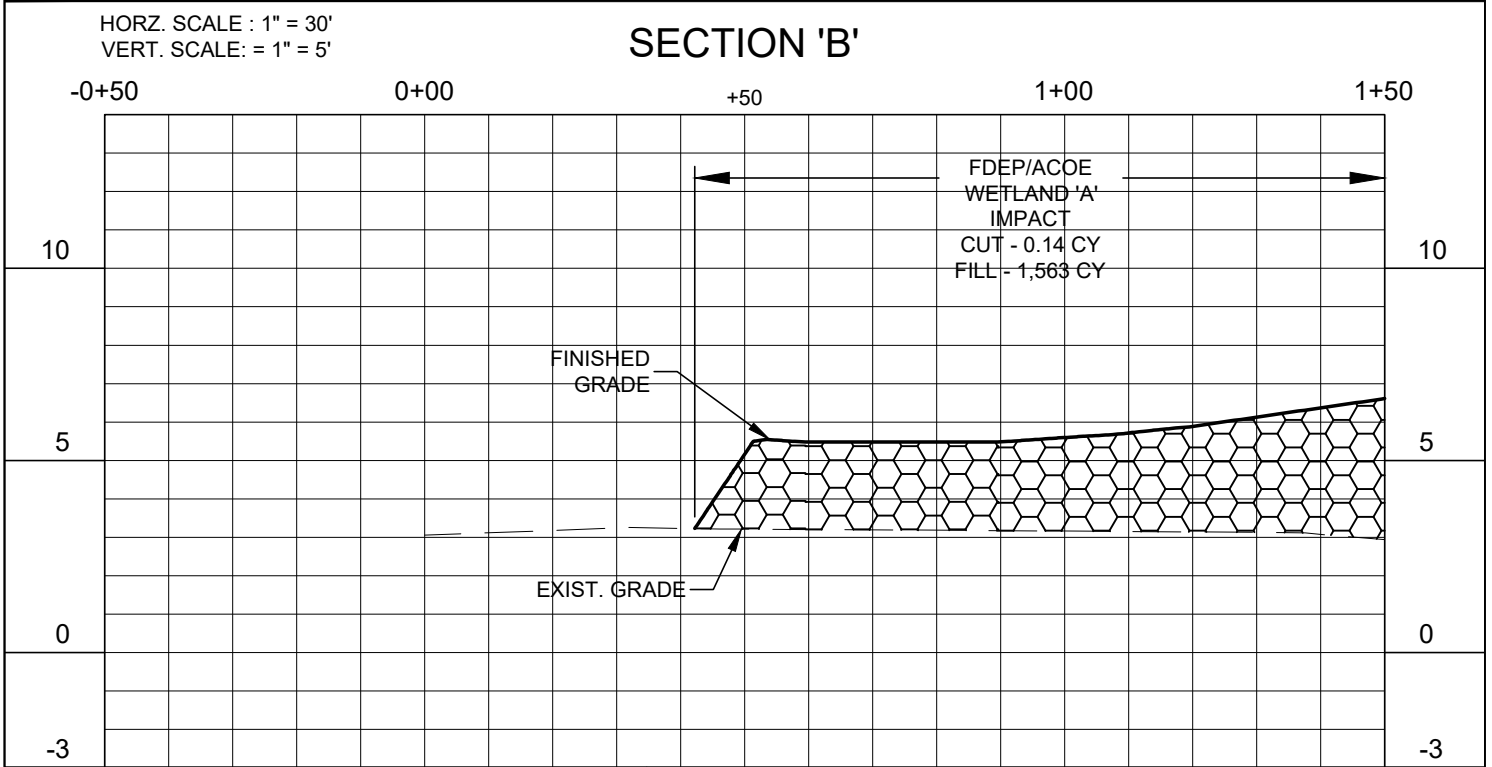
Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp				Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas			
		Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783					
Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:30	06 - Wetland Impacts		

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	FDEP/ACOE JURISDICITON WETLANDS		PERMANENT WETLAND IMPACT		AREA OF CUT		AREA OF SURFACE WATER IMPACTS
	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		



Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp			
Date	Drawn	Checked	Approved
Aug. 2017	C. Riley		S. White

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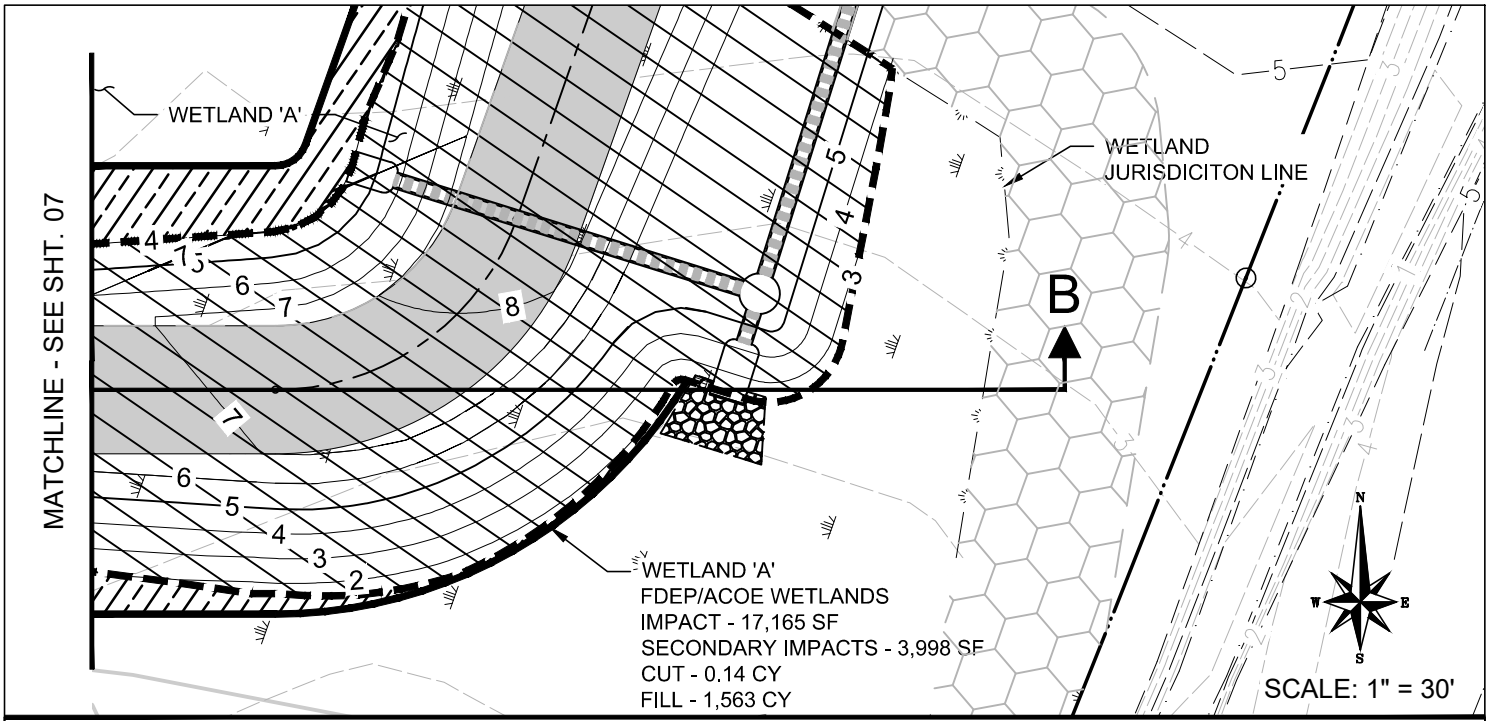
Mott MacDonald Florida, LLC.
 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
 T +1 (850) 484 6011
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Scale at ANSI A	Drawing Number	Status	Rev
1:30	07 - Wetland Impacts		

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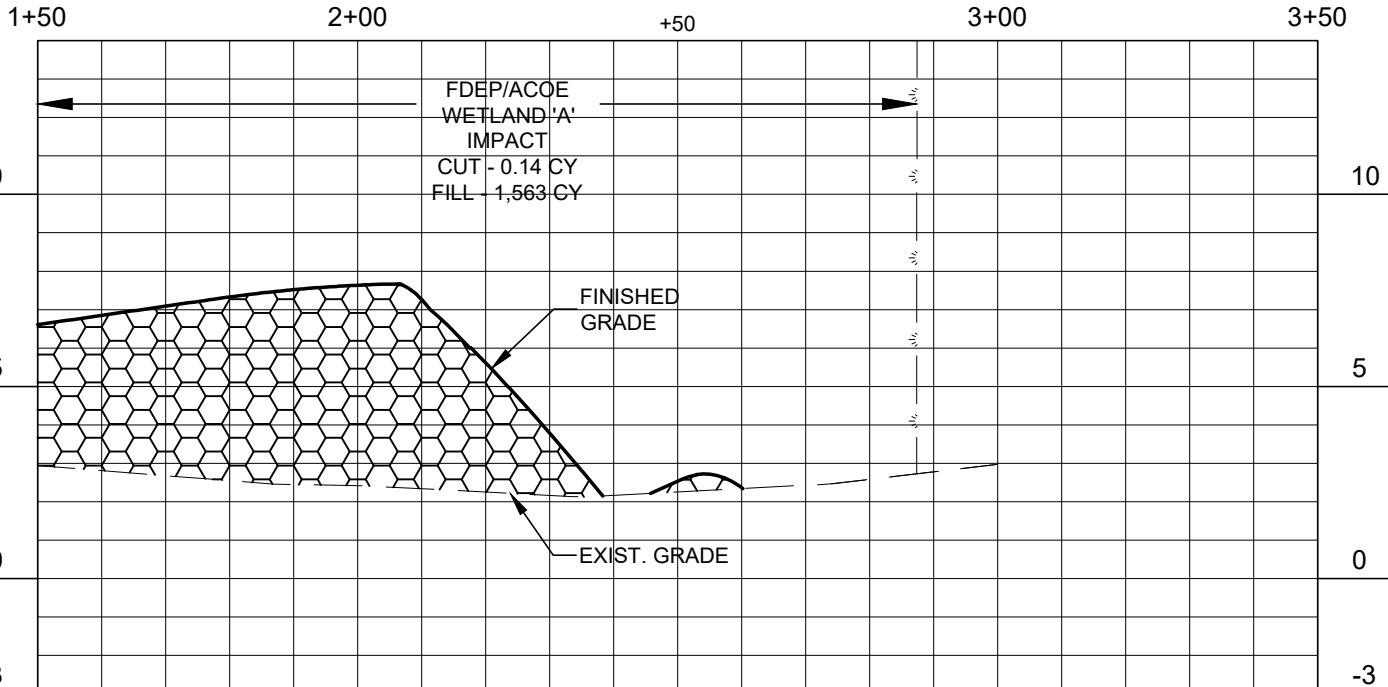
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	FDEP/ACOE JURISDICTIONAL WETLANDS		PERMANENT WETLAND IMPACT		AREA OF CUT		AREA OF SURFACE WATER IMPACTS
	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		

HORZ. SCALE : 1" = 30'
VERT. SCALE: = 1" = 5'

SECTION 'B'



Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners Escambia County
Purpose: Boat Ramp



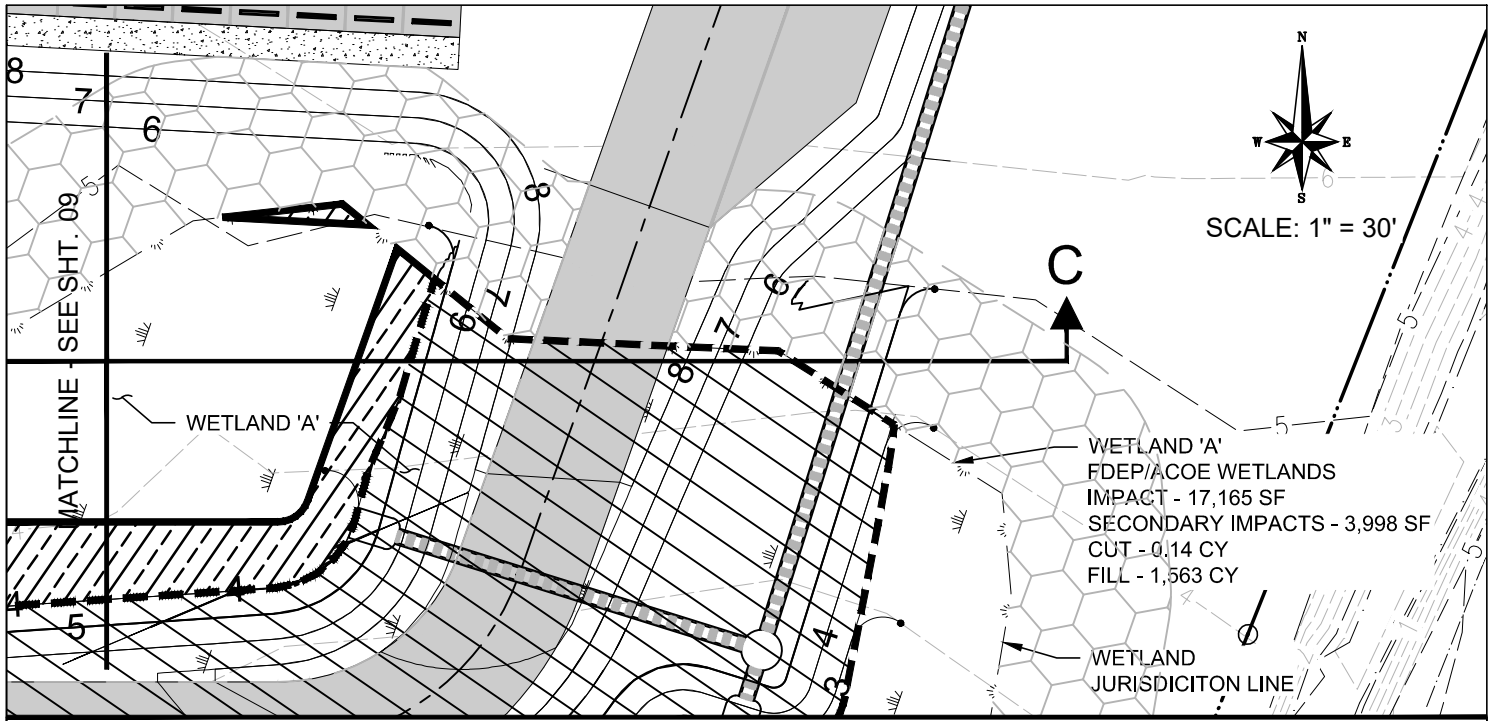
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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
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Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:30	08 - Wetland Impacts		

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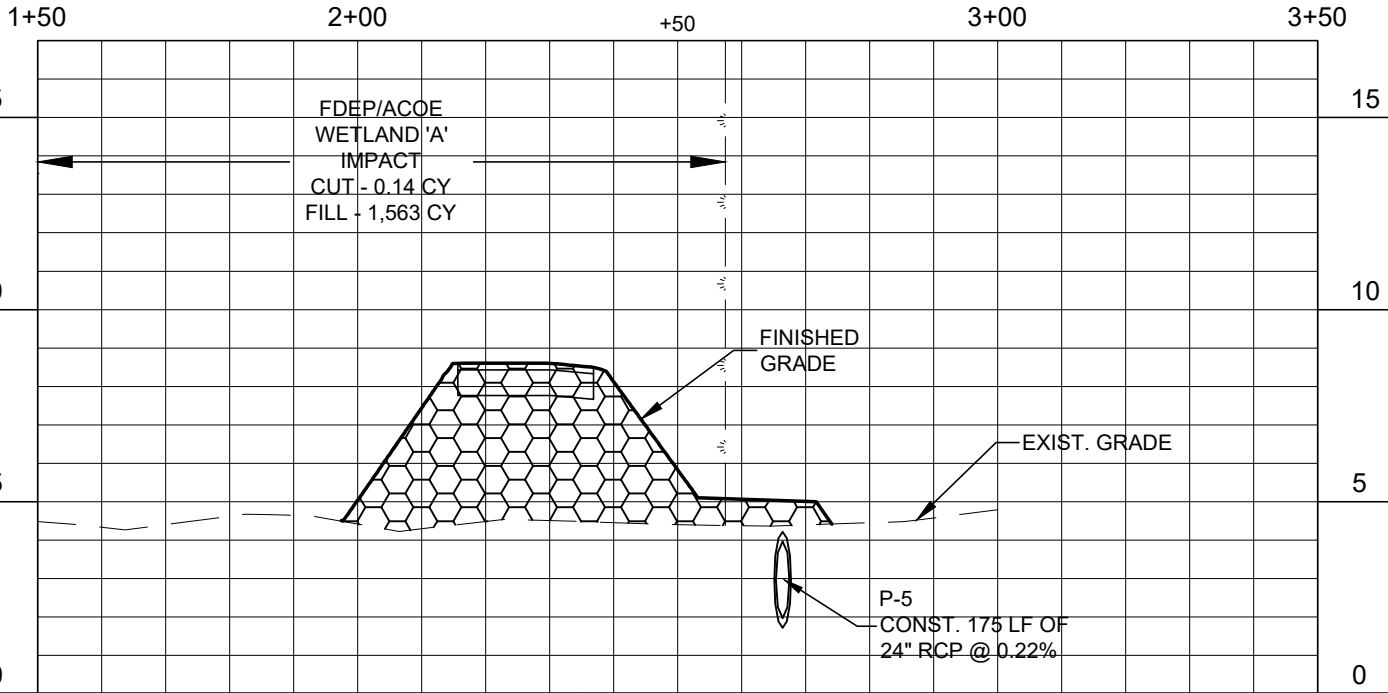
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	FDEP/ACOE JURISDICTIONAL WETLANDS		PERMANENT WETLAND IMPACT		AREA OF CUT		AREA OF SURFACE WATER IMPACTS
	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		

HORZ. SCALE : 1" = 30'
 VERT. SCALE: = 1" = 5'

SECTION 'C'



Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
 Escambia County

Purpose: Boat Ramp

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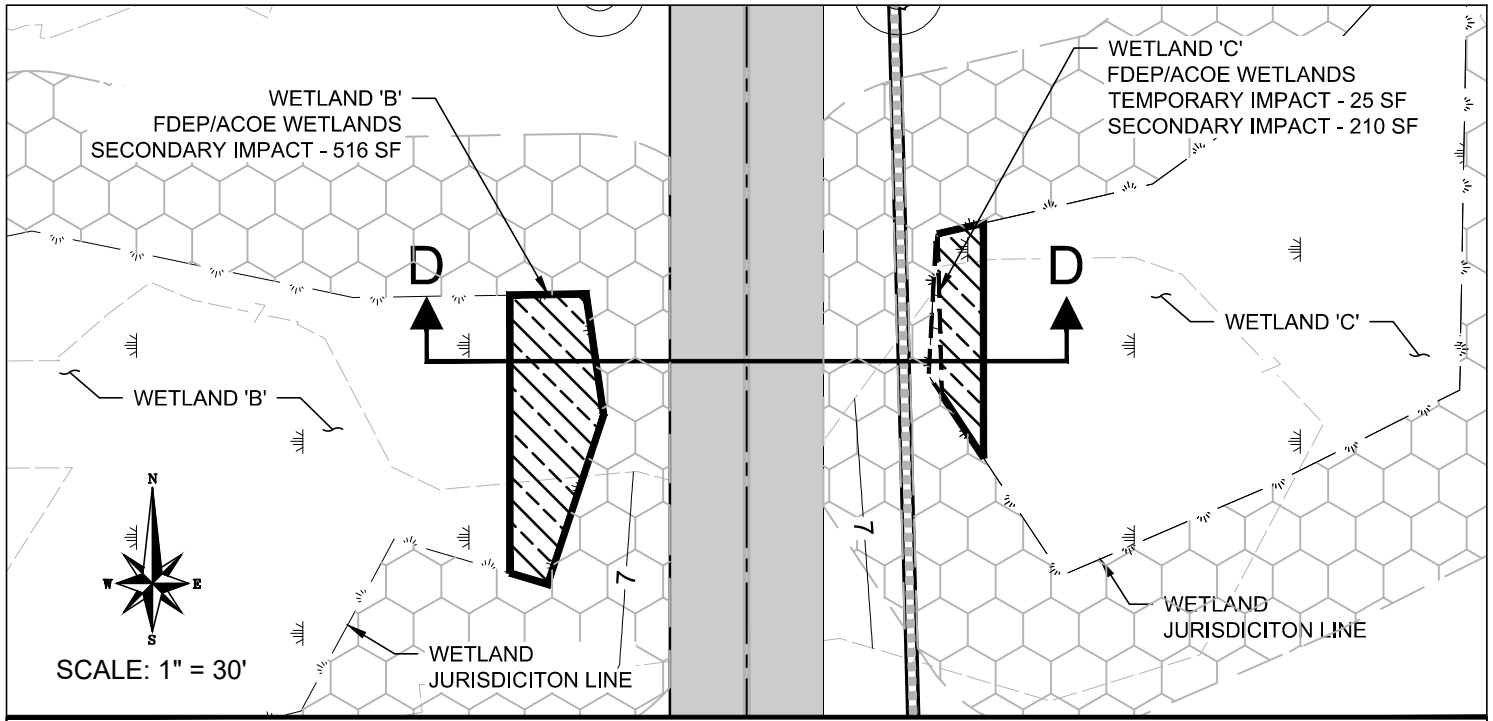
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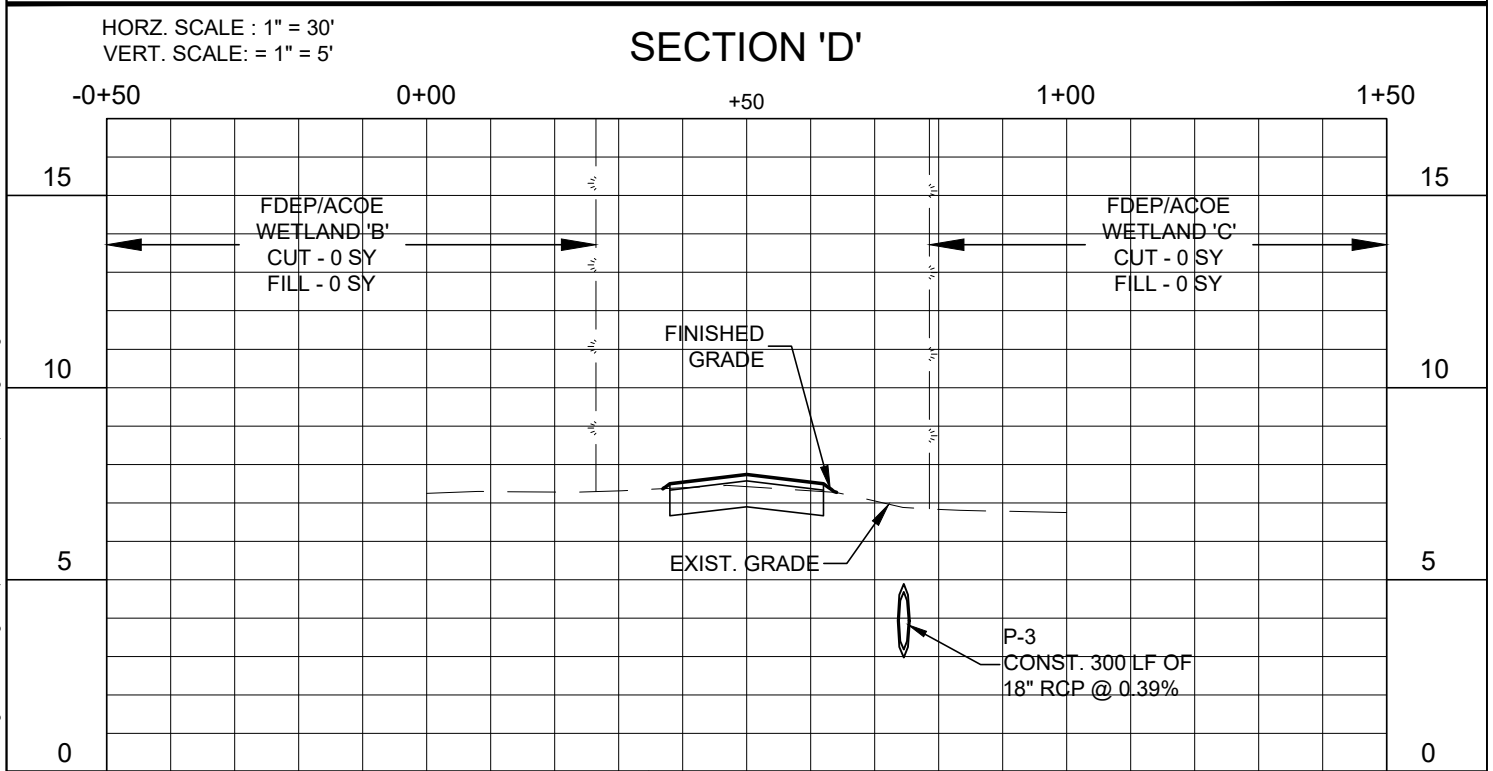
Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:20	10 - Wetland Impacts		

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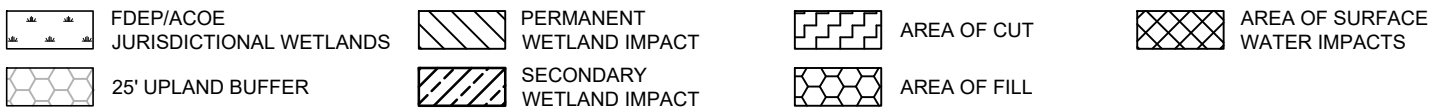
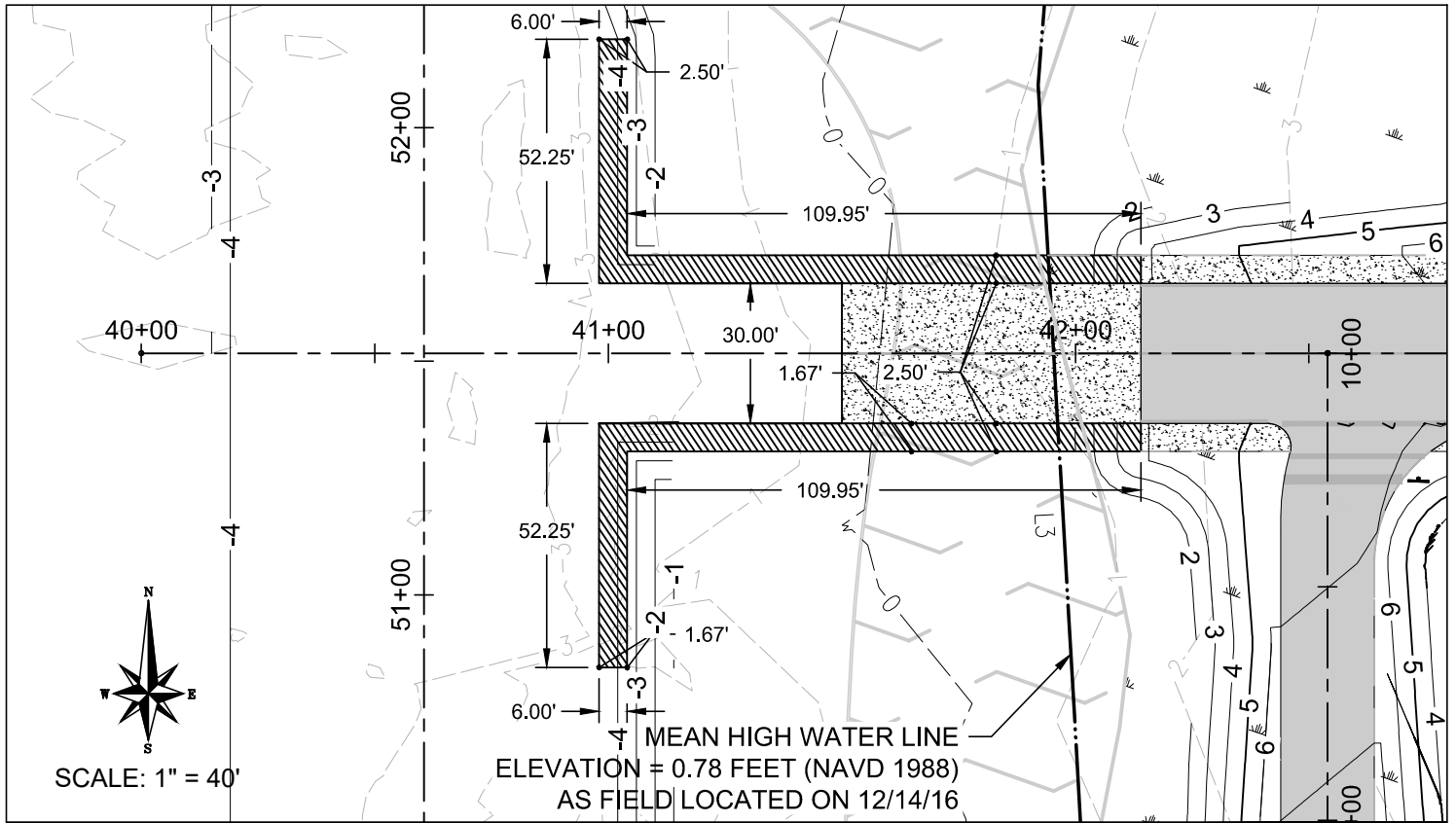


	FDEP/ACOE JURISDICTIONAL WETLANDS		PERMANENT WETLAND IMPACT		AREA OF CUT		AREA OF SURFACE WATER IMPACTS
	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		



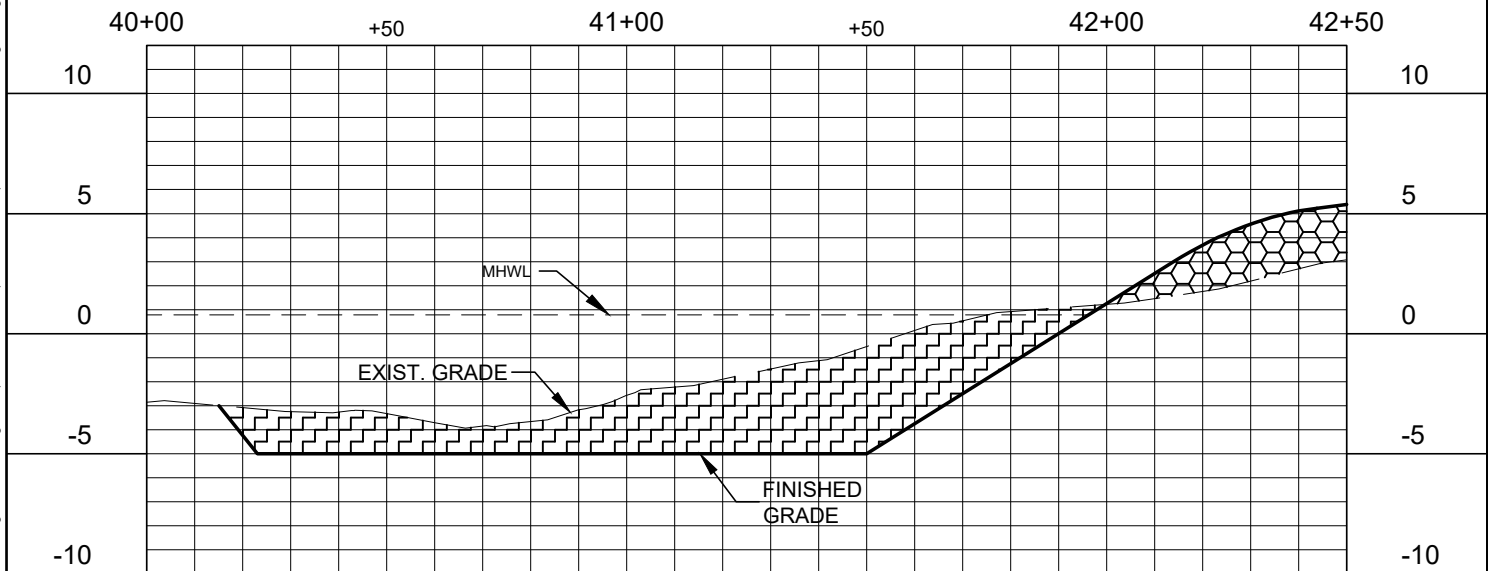
Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp				Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783			
Date Aug. 2017	Drawn C. Riley	Checked	Approved S. White	Scale at ANSI A 1:30	Drawing Number 11 - Wetland Impacts	Status	Rev

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Lead drawings\Sheets\Creege & fill permit sect11.Wetland Impacts.dwg Aug 28, 2017 - 8:30AM ri36256



HORZ. SCALE : 1" = 30'
VERT. SCALE : 1" = 6'

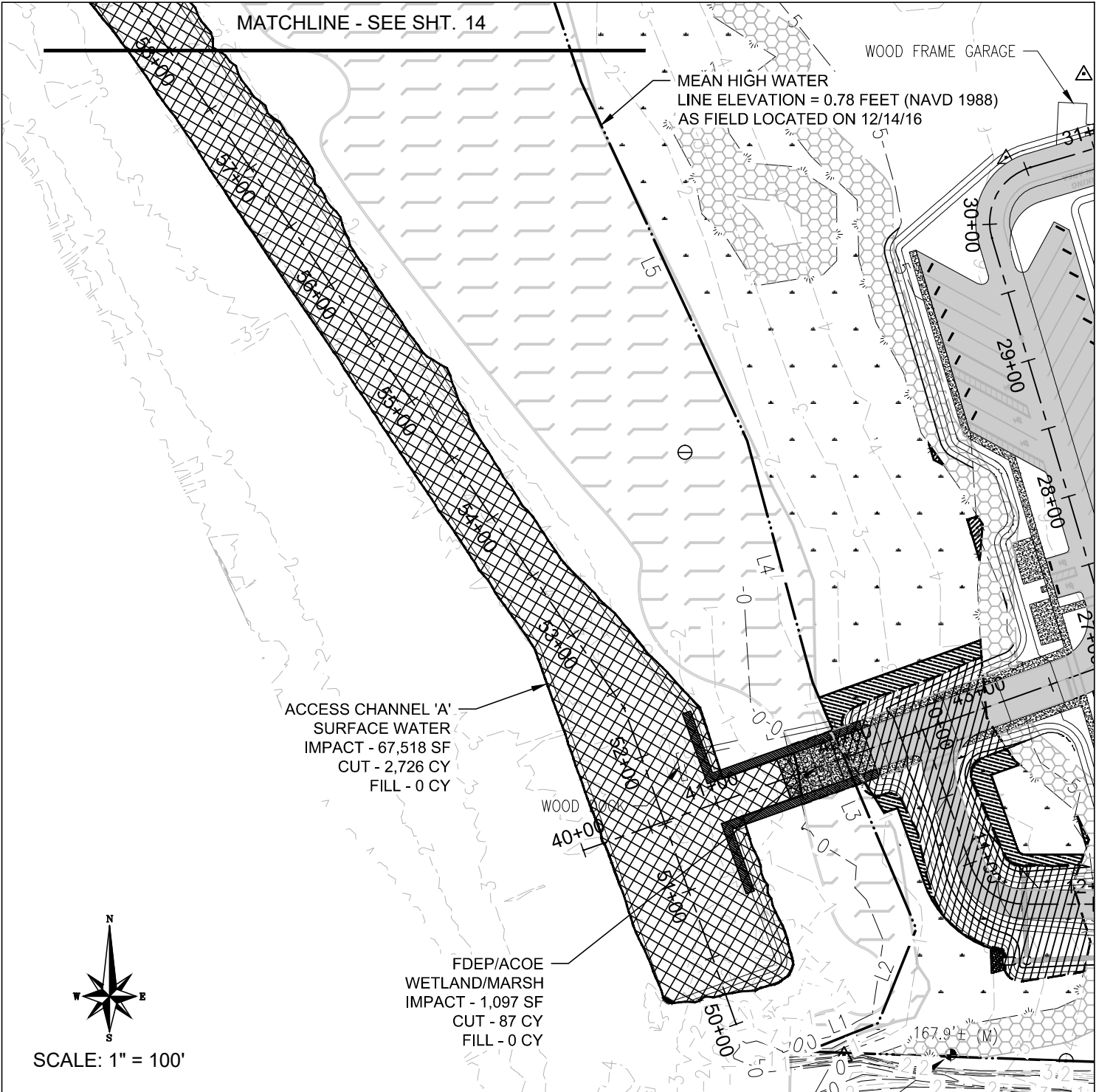
BOAT RAMP



Project: Perdido Bay Boat Ramp				Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas			
Applicant: Board of County Commissioners Escambia County				Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783			
Purpose: Boat Ramp							
Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:40	12 - Proposed Boat Ramp		

p:\368117 - escoba_perdido_bay_boat_ramp\Drawings\Civil\Lead Drawings\Sheets\Creege & fill permit set\12 Proposed Boat Ramp & Deck Structures.dwg Aug 28, 2017 - 8:31AM m36266

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Lead drawings\Sheets\Creege & fill permit set\13 Access Channel Impacts.dwg Aug 28, 2017 - 8:31AM n186256

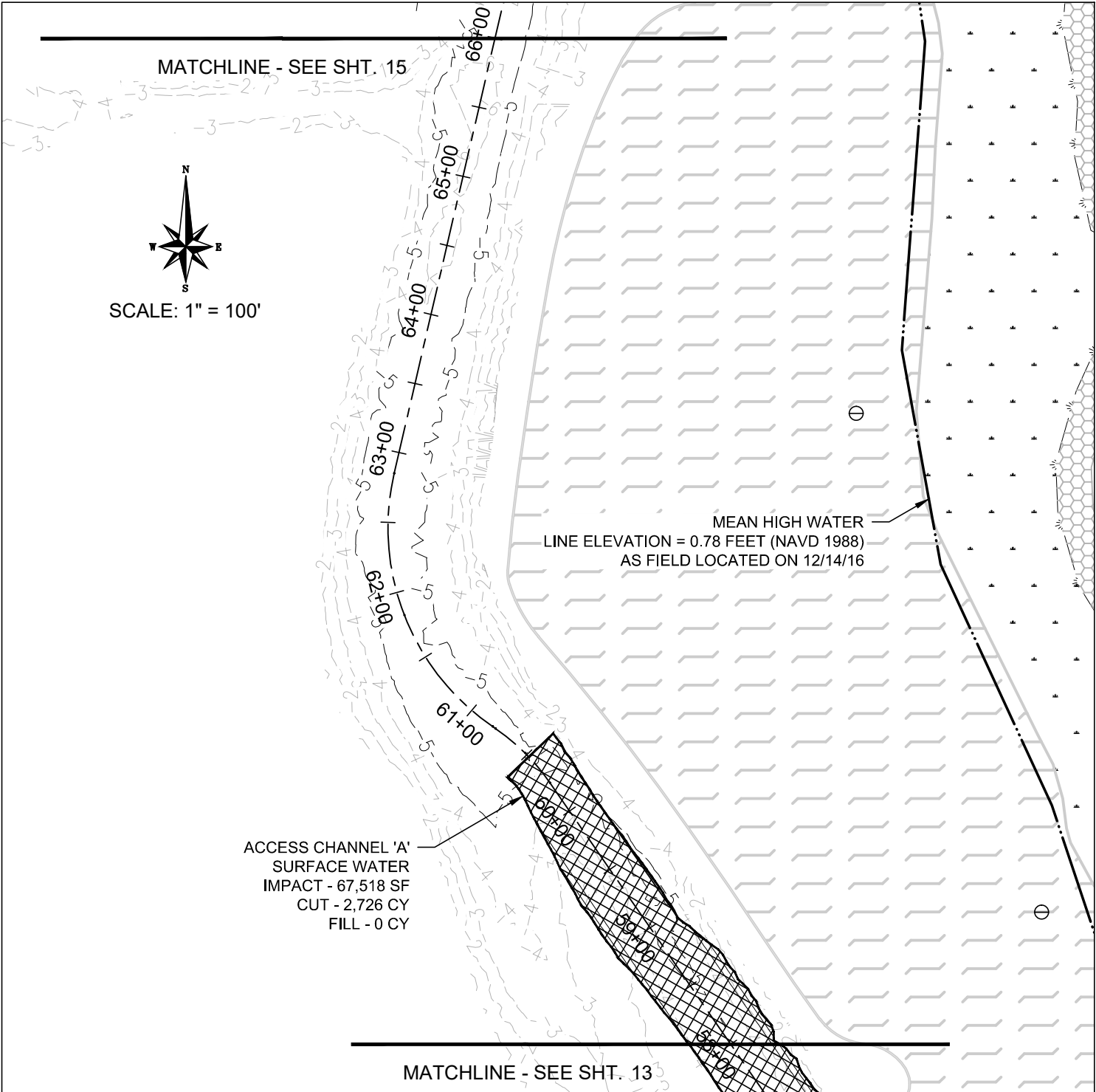


	FDEP/ACOE JURISDICTIONAL WETLANDS		AREA OF SURFACE WATER IMPACTS
	PERMANENT WETLAND IMPACT		AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp				Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783			
Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:100	13 - Access Channel Impacts		

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ACCESS CHANNEL 'A'
 SURFACE WATER
 IMPACT - 67,518 SF
 CUT - 2,726 CY
 FILL - 0 CY

MEAN HIGH WATER
 LINE ELEVATION = 0.78 FEET (NAVD 1988)
 AS FIELD LOCATED ON 12/14/16

- FDEP/ACOE JURISDICTIONAL WETLANDS
- AREA OF SURFACE WATER IMPACTS
- PERMANENT WETLAND IMPACT
- AREA OF WETLAND MARSH IMPACTS

<p>Project: Perdido Bay Boat Ramp</p> <p>Applicant: Board of County Commissioners Escambia County</p> <p>Purpose: Boat Ramp</p>				<p>Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas</p> <p style="font-size: small;">Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783</p>			
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MATCHLINE - SEE SHT. 16



SCALE: 1" = 100'

ACCESS CHANNEL 'B'
SURFACE WATER
IMPACT - 72,266 SF
CUT - 5,065 CY
FILL - 0 CY

MEAN HIGH WATER LINE
ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16

MATCHLINE - SEE SHT. 14

-  FDEP/ACOE JURISDICTIONAL WETLANDS
-  PERMANENT WETLAND IMPACT
-  AREA OF SURFACE WATER IMPACTS
-  AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
Escambia County
Purpose: Boat Ramp

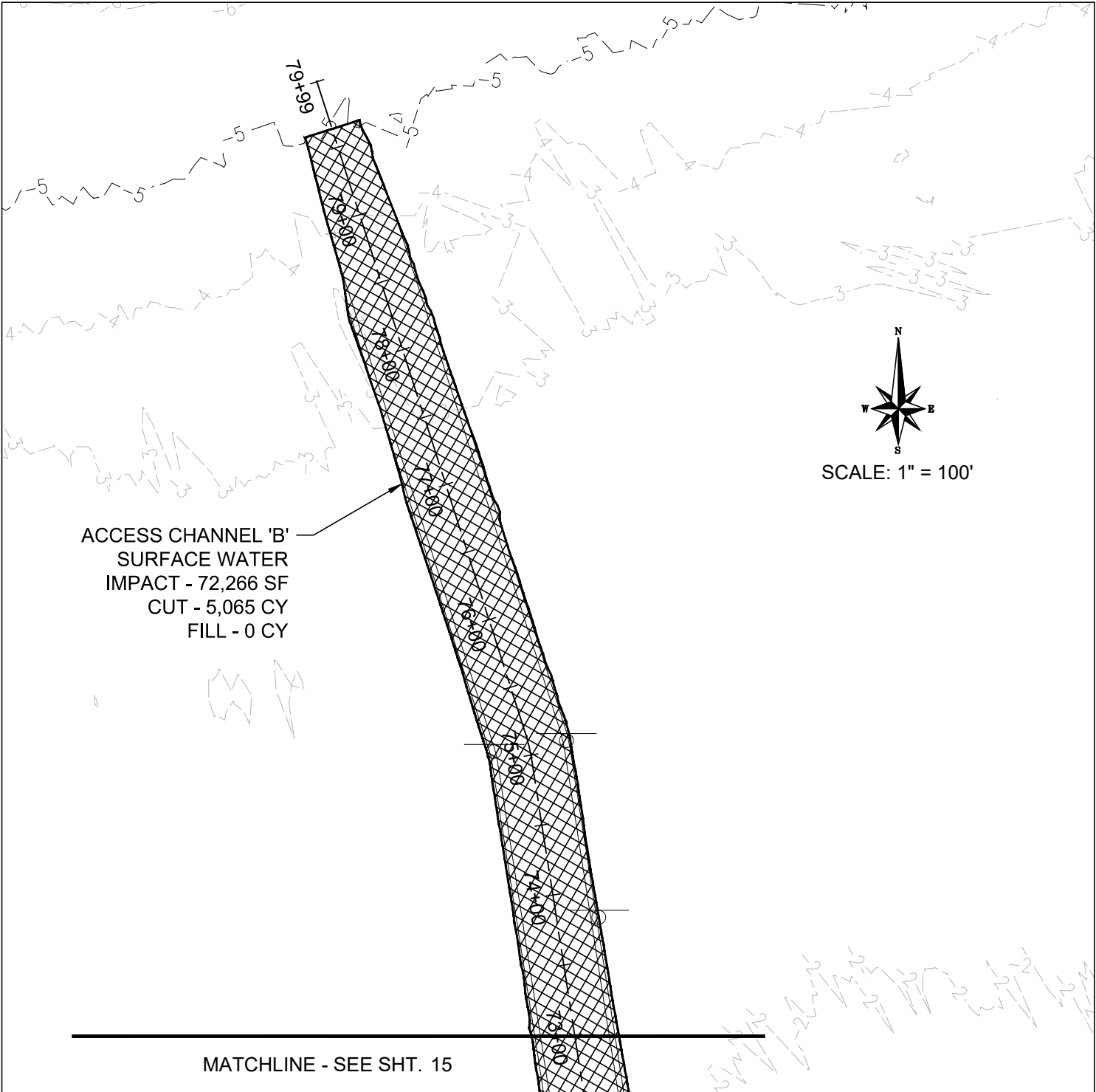


Mott MacDonald Florida, LLC.
220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

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Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:100	15 - Access Channel Impacts		





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ACCESS CHANNEL 'B'
 SURFACE WATER
 IMPACT - 72,266 SF
 CUT - 5,065 CY
 FILL - 0 CY

N
 W E
 S
 SCALE: 1" = 100'

MATCHLINE - SEE SHT. 15

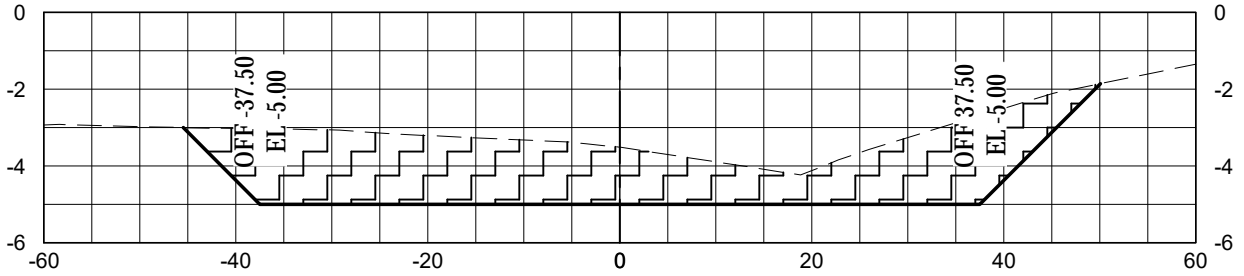
-  FDEP/ACOE JURISDICTIONAL WETLANDS
-  PERMANENT WETLAND IMPACT
-  AREA OF SURFACE WATER IMPACTS
-  AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp			 MOTT MACDONALD		Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783		
Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:100	16 - Access Channel Impacts		

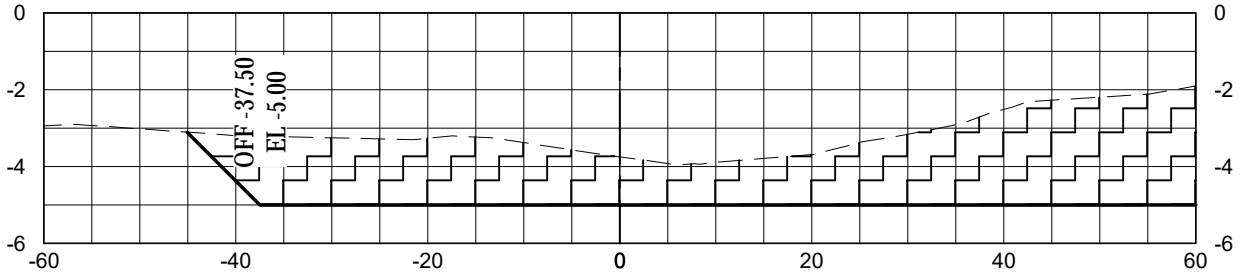
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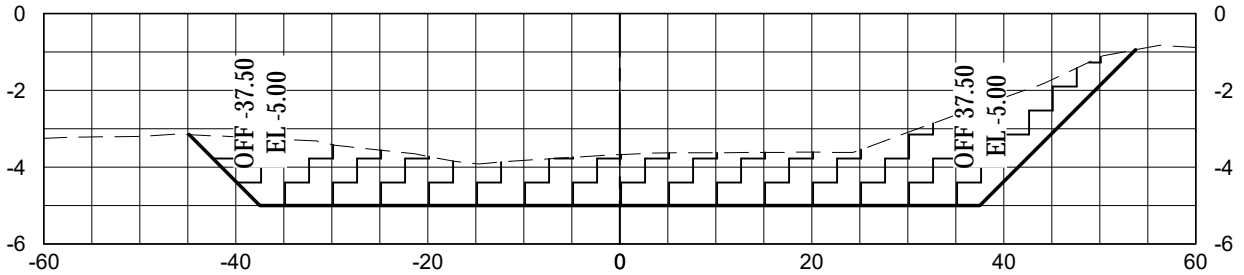
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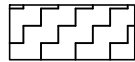
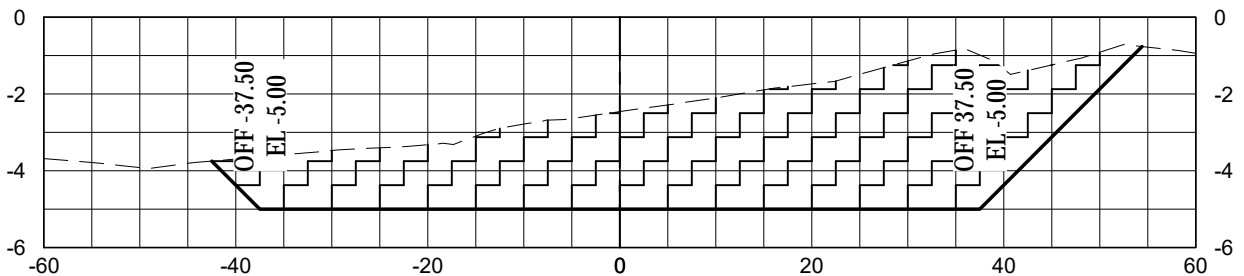
STA: 51+50



STA: 51+00



STA: 50+50



AREA OF CUT

--- EXIST. GRADE

— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



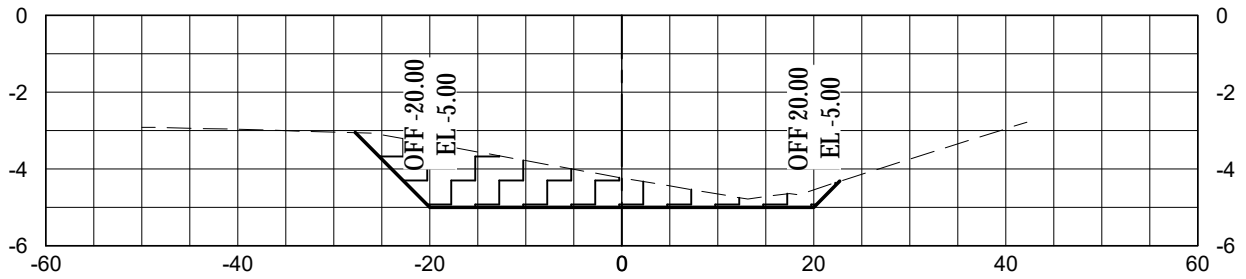
Mott MacDonald Florida, LLC.
220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
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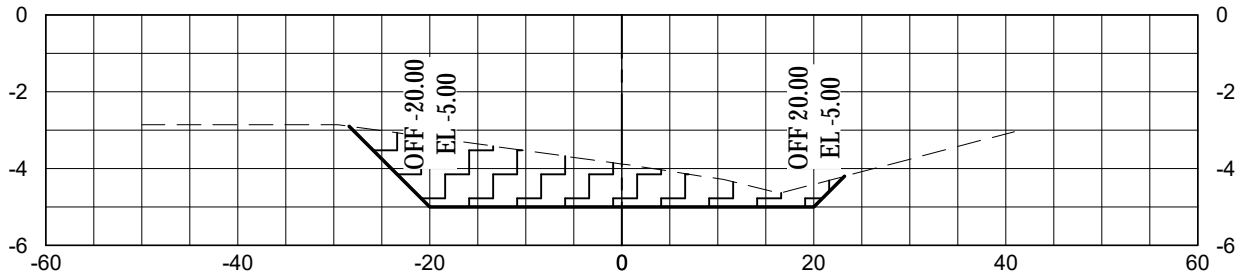
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	17 - Access Channel Sections		

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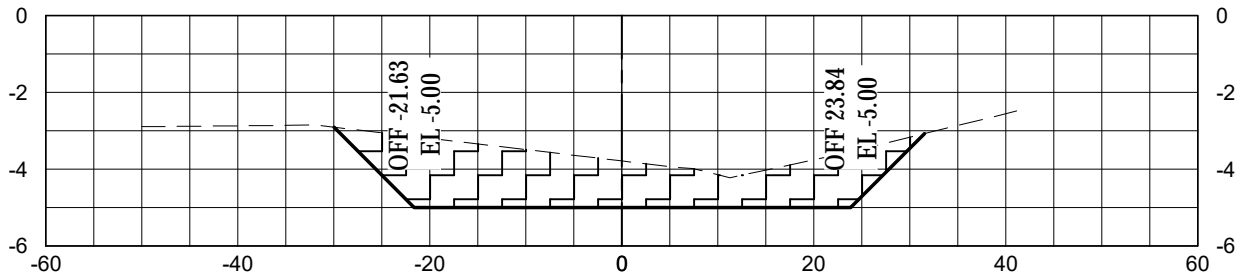
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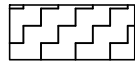
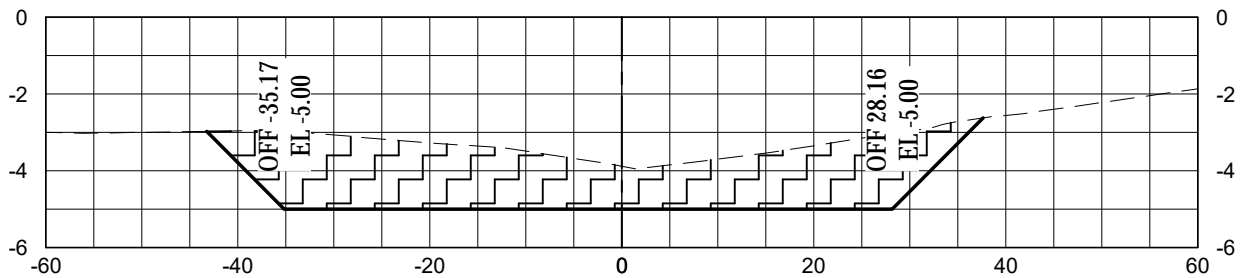
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STA: 53+00



STA: 52+50



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———— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



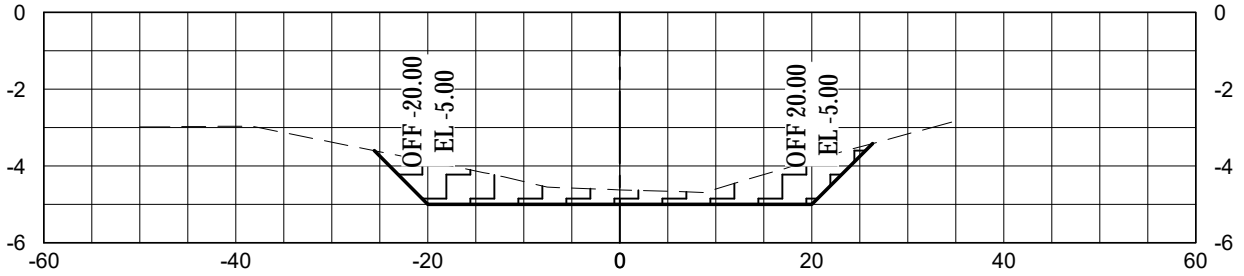
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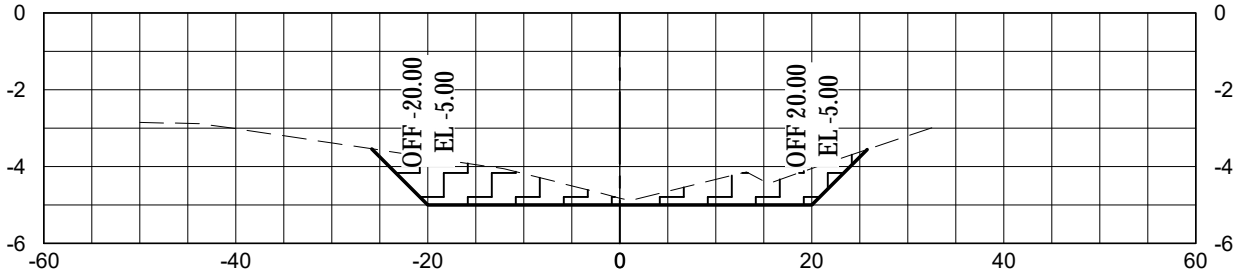
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	18 - Access Channel Sections		

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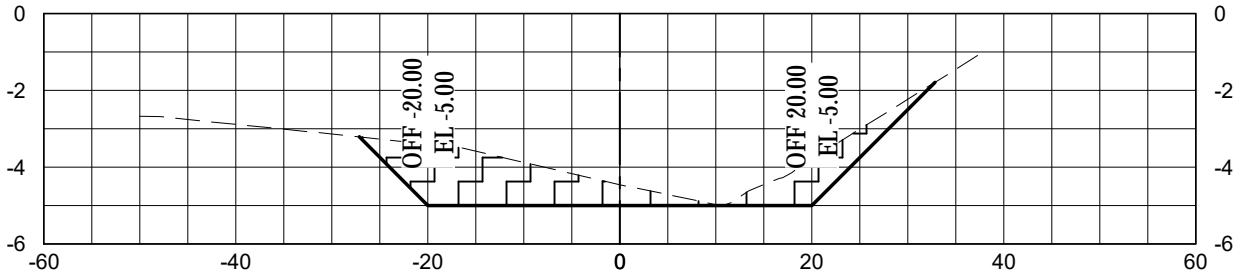
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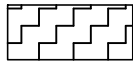
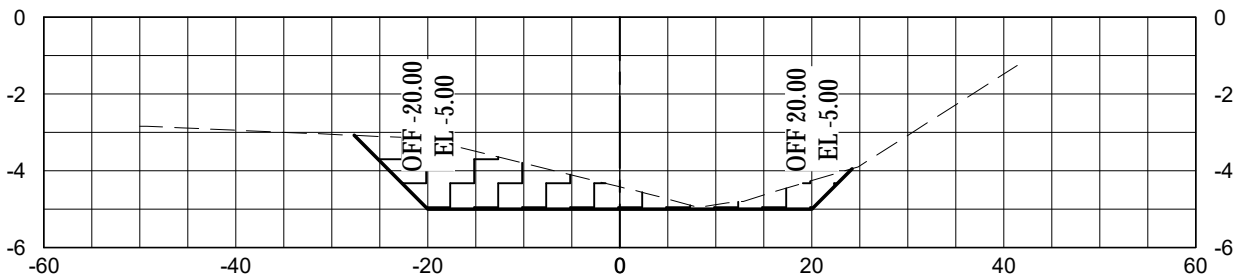
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STA: 54+50



AREA OF CUT

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— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



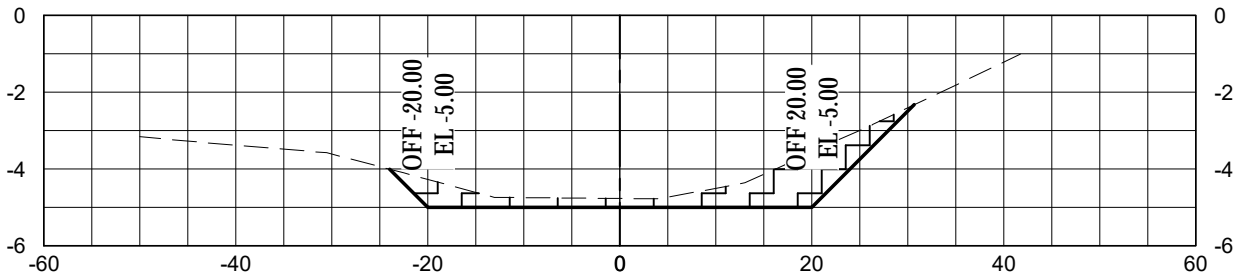
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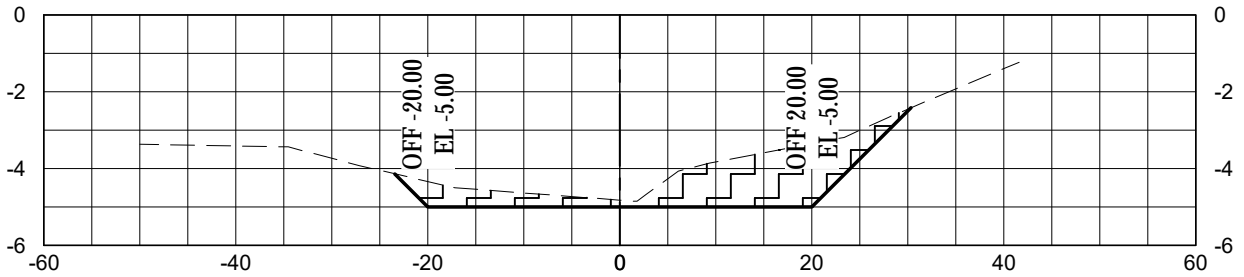
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	19 - Access Channel Sections		

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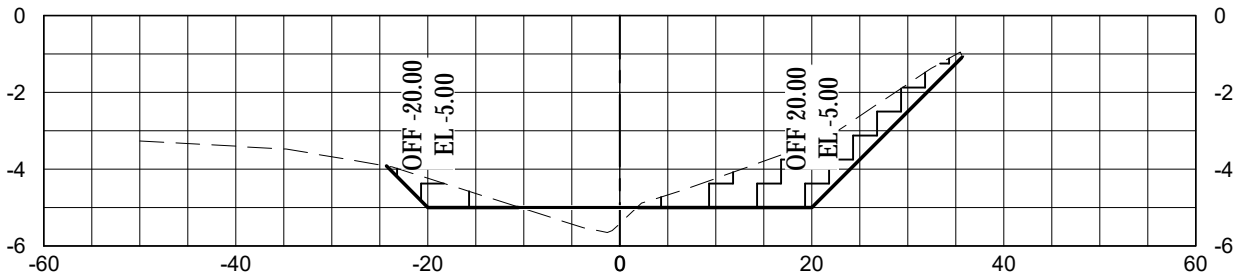
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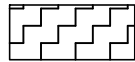
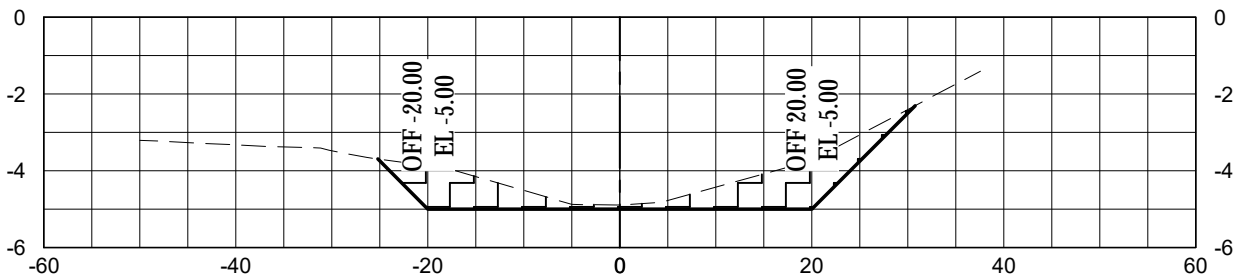
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STA: 57+00



STA: 56+50



AREA OF CUT

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Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp

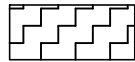
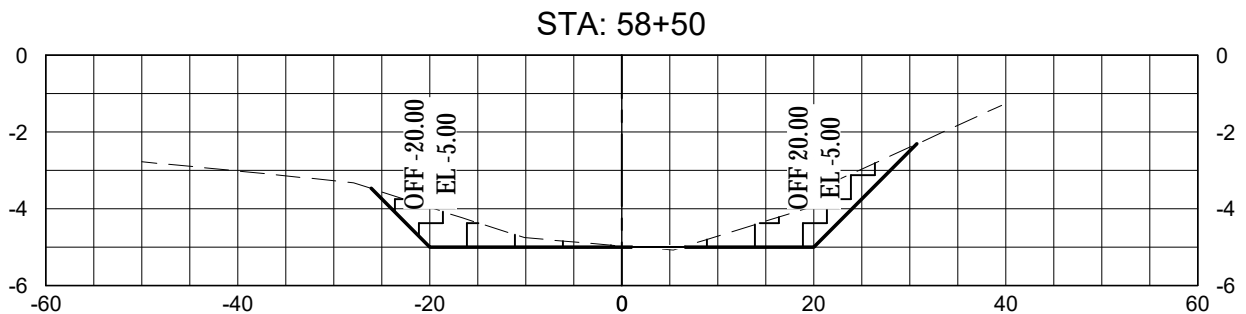
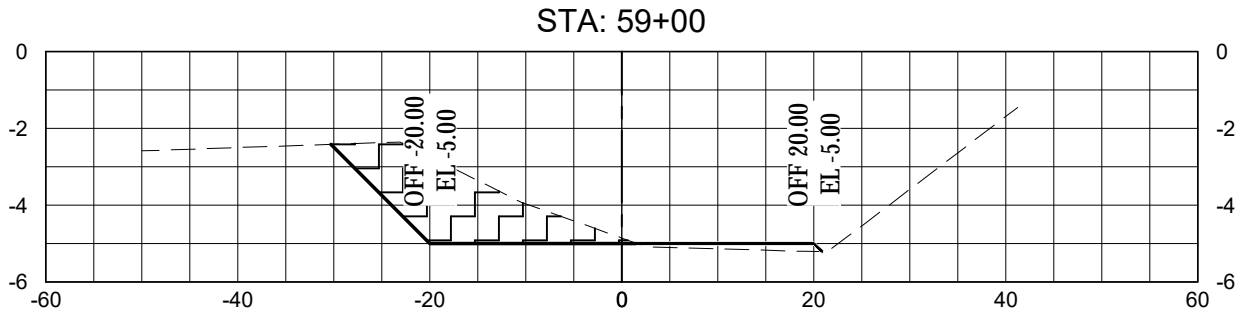
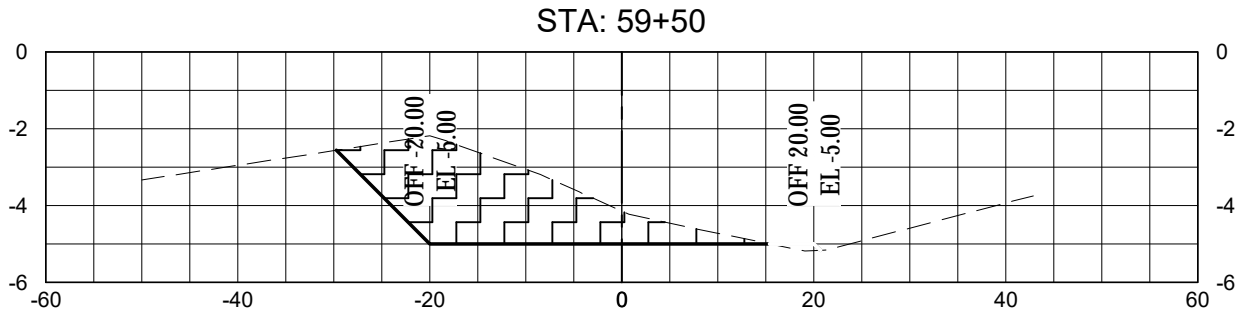
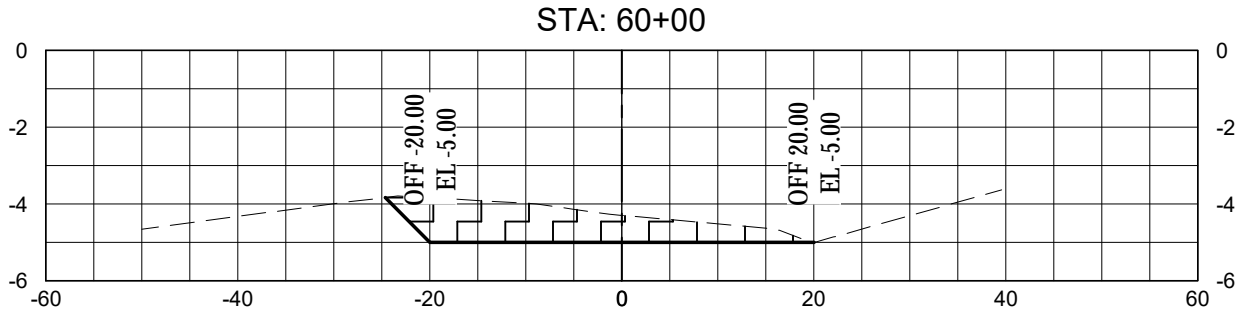


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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	20 - Access Channel Sections		

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Lead drawings\Sheets\Creege & fill permit set\21 - Access Channel Sections.dwg Aug 28, 2017 - 8:34AM rlb8256



AREA OF CUT

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———— FINISHED GRADE

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
 Escambia County
Purpose: Boat Ramp



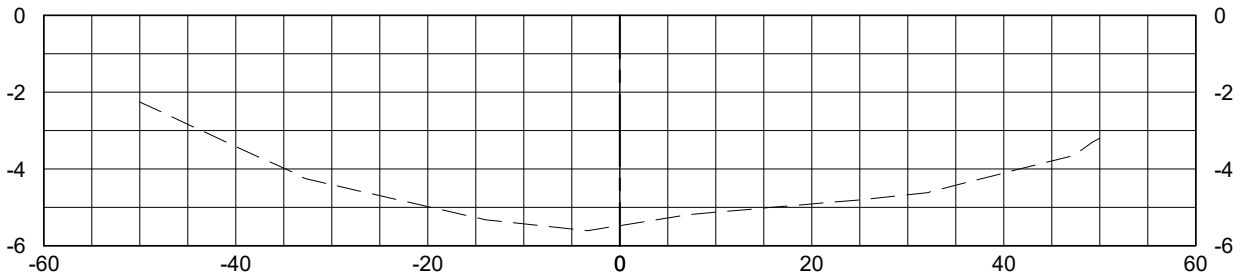
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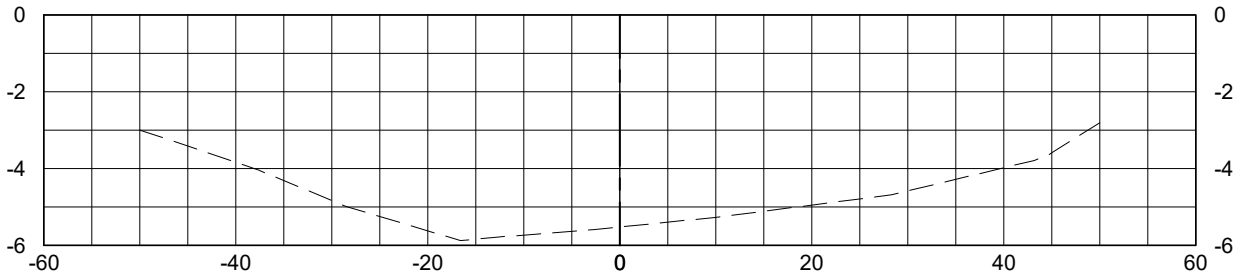
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	21 - Access Channel Sections		

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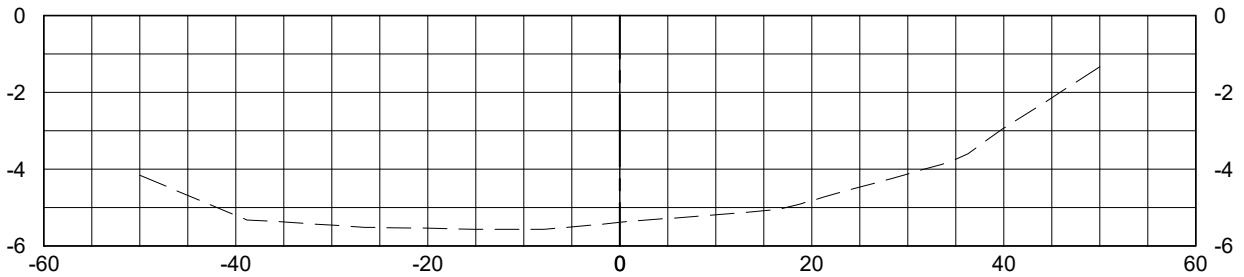
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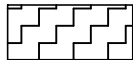
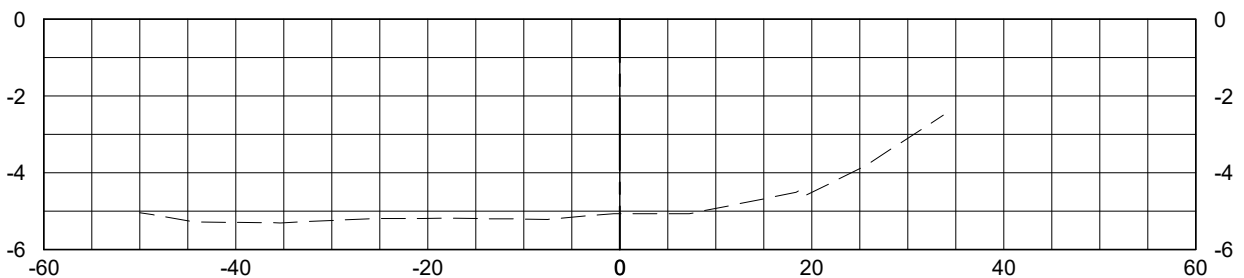
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STA: 61+00



STA: 60+50



AREA OF CUT

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— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



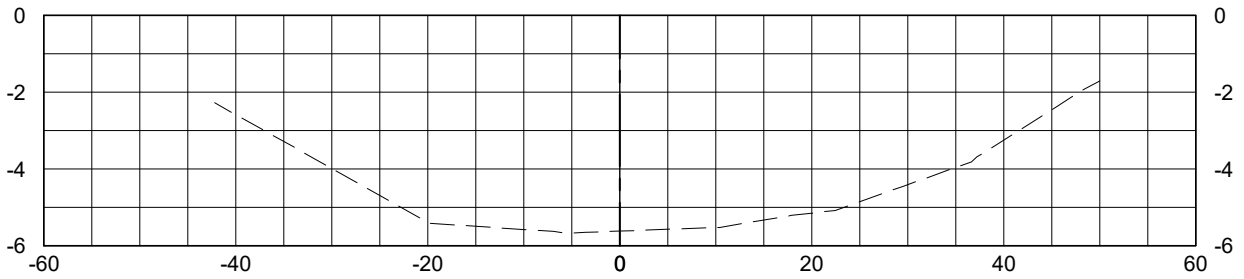
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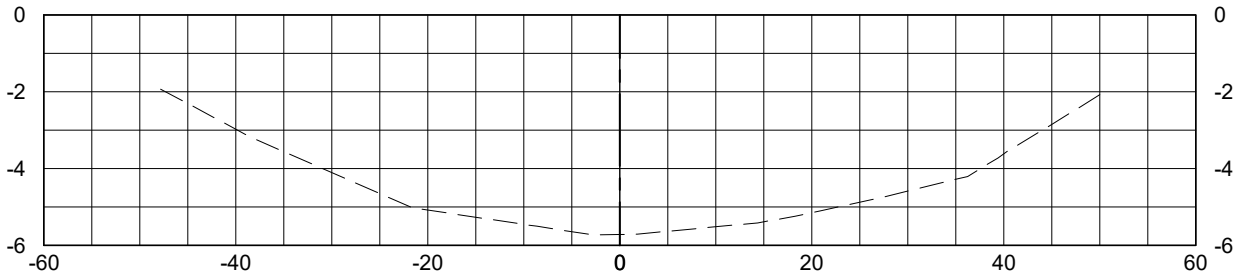
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	22 - Access Channel Sections		

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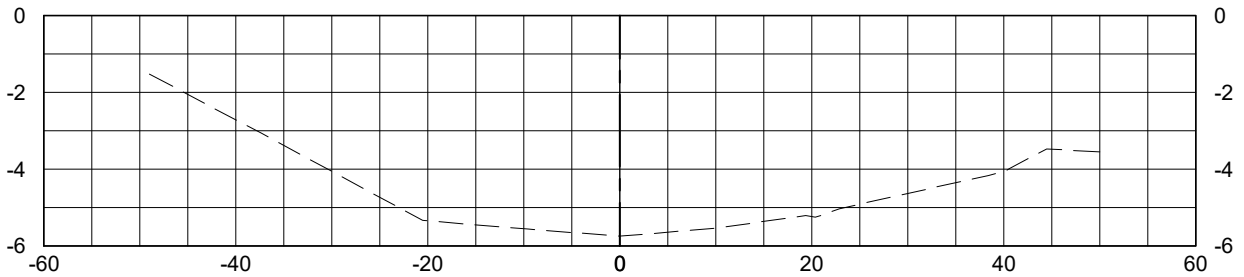
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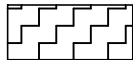
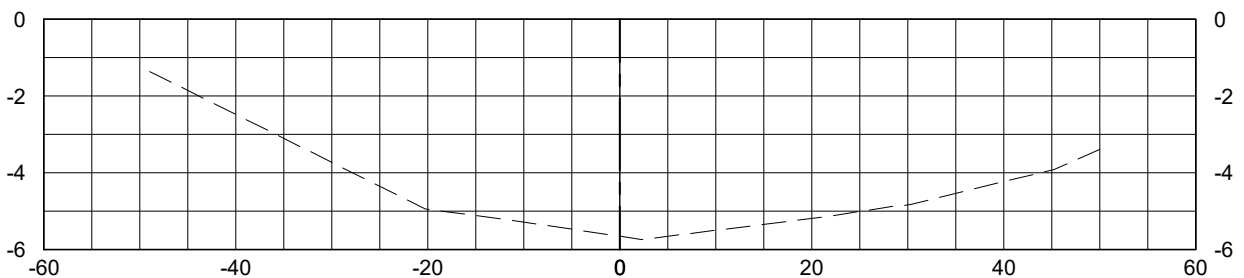
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STA: 62+50



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Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



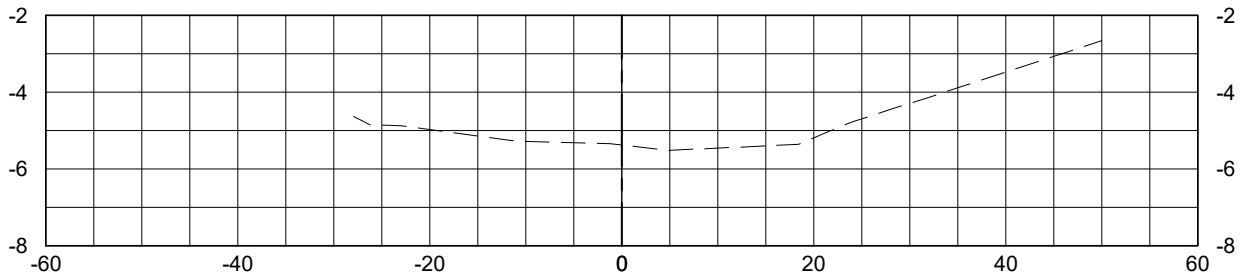
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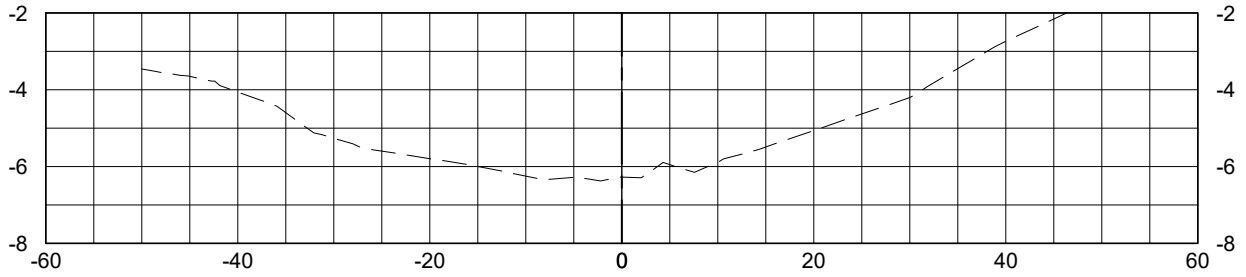
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	23 - Access Channel Sections		

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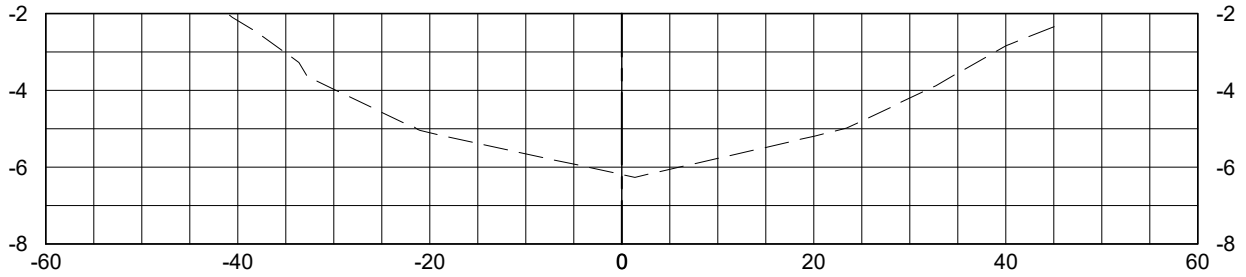
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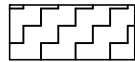
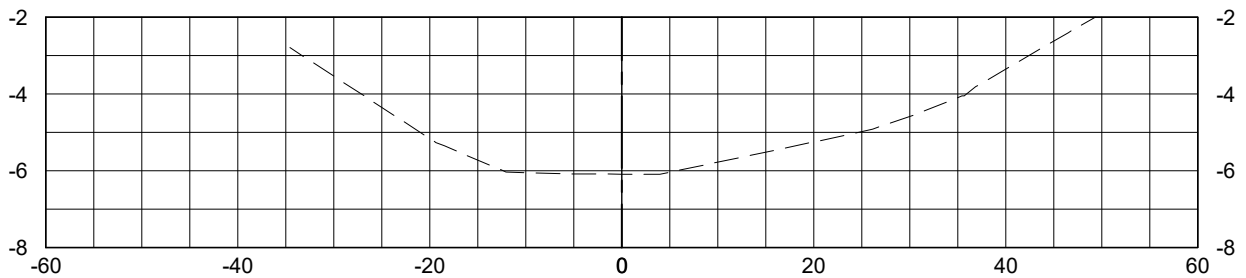
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STA: 64+50



AREA OF CUT

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Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



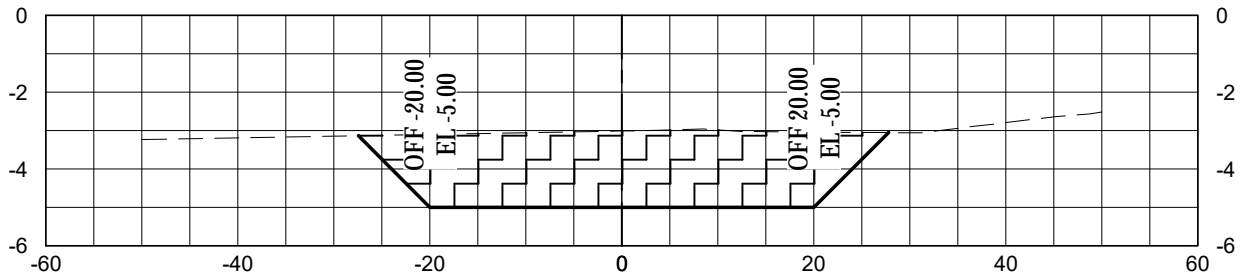
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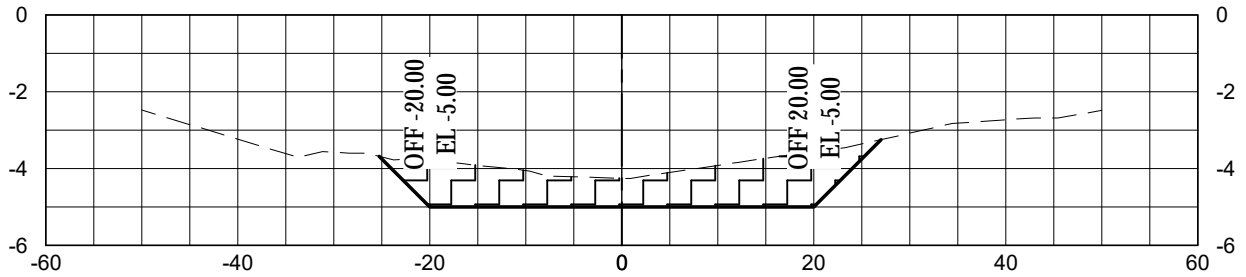
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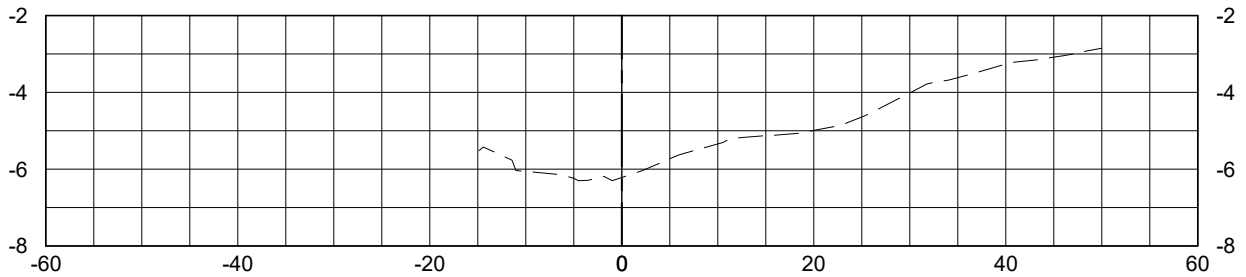
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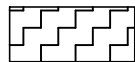
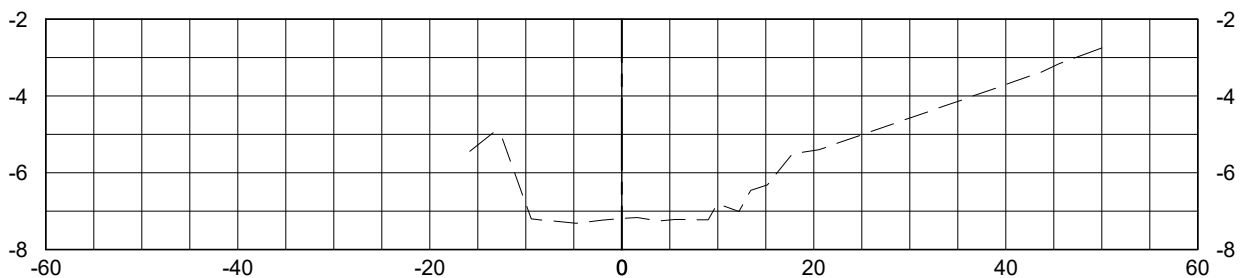
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STA: 66+50



AREA OF CUT

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Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



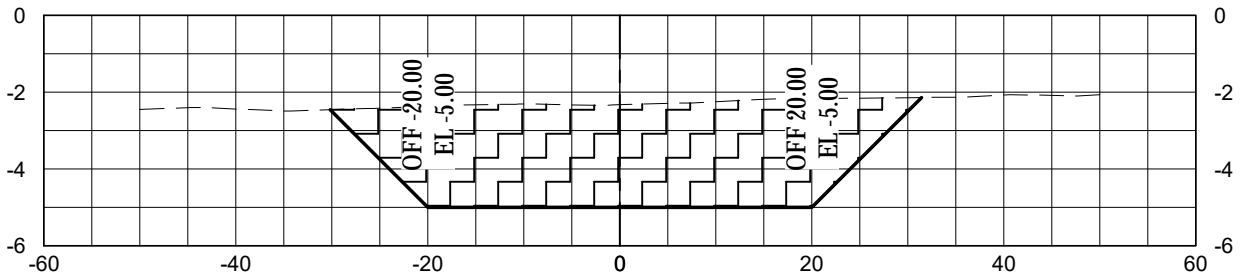
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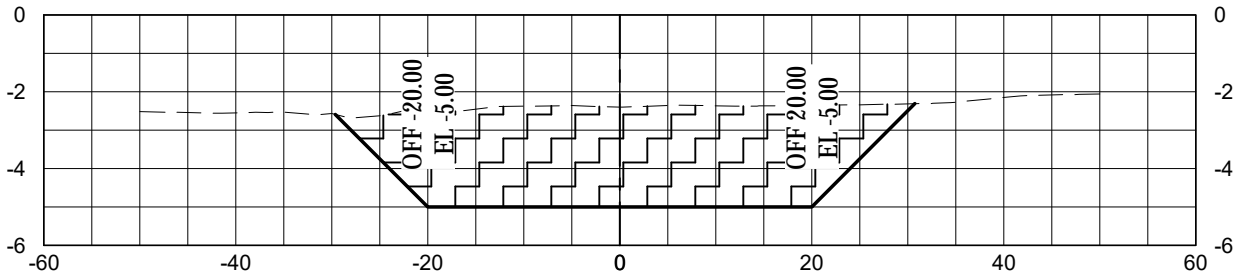
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	25 - Access Channel Sections		

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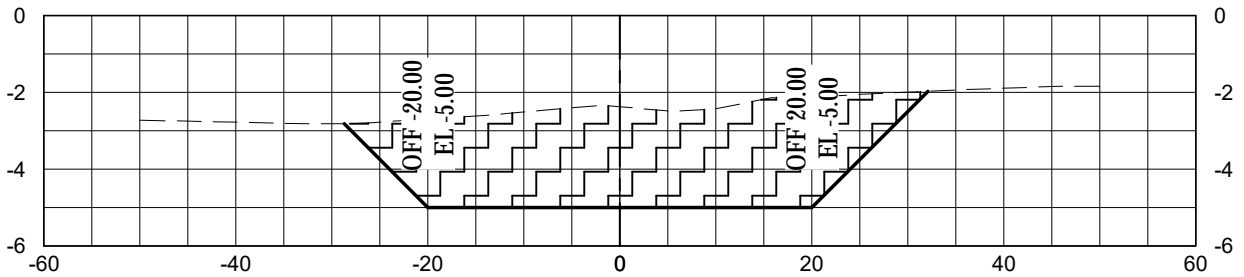
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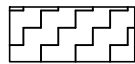
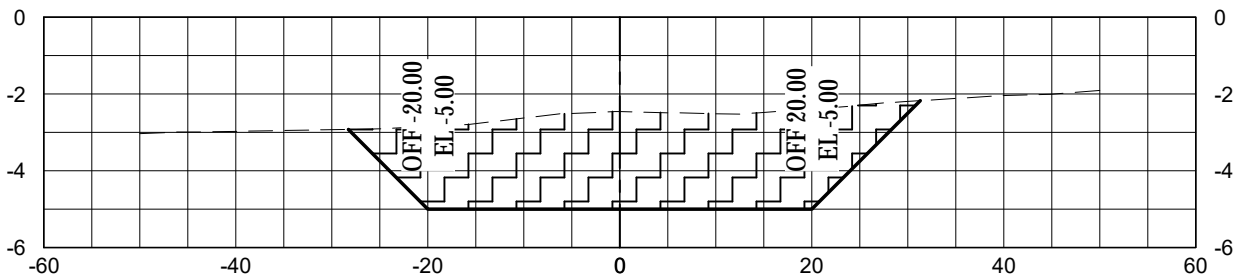
STA: 69+50



STA: 69+00



STA: 68+50



AREA OF CUT

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— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



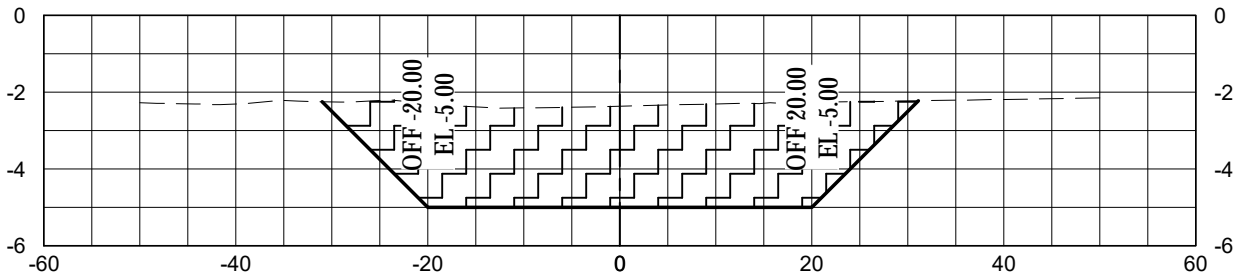
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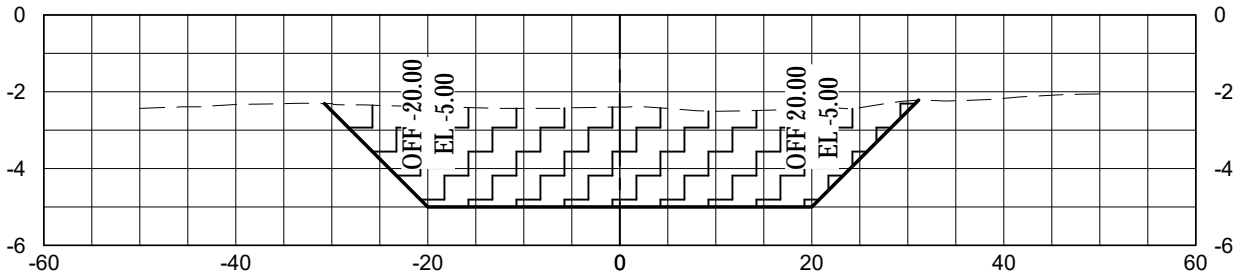
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	26 - Access Channel Sections		

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Access Channel Sections.dwg Aug 28, 2017 - 8:36AM rlb8256

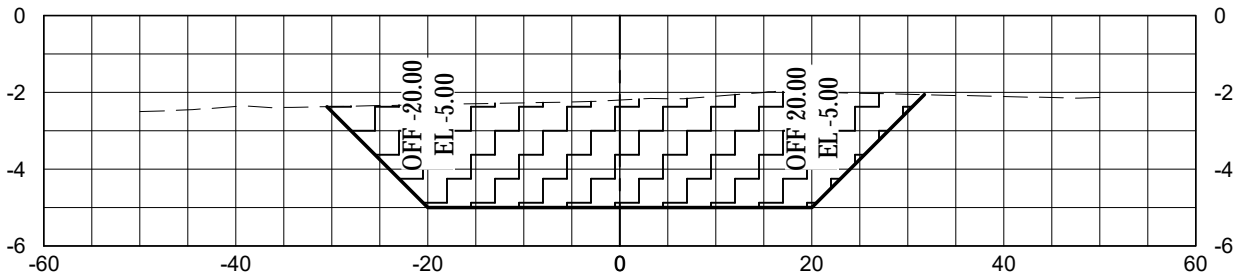
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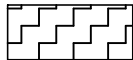
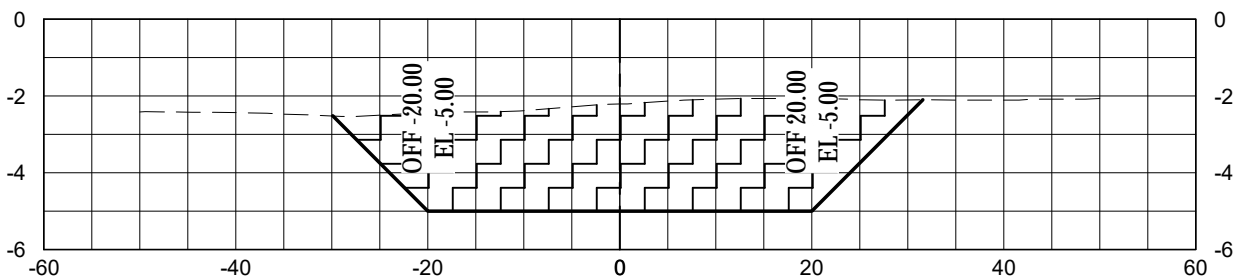
STA: 71+50



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STA: 70+50



AREA OF CUT

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Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



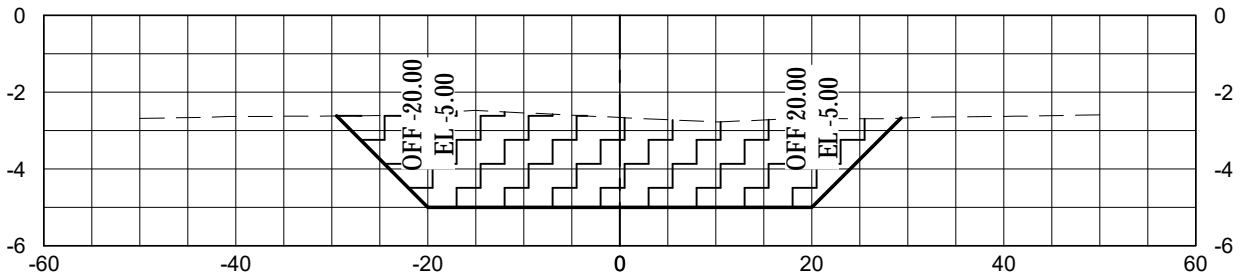
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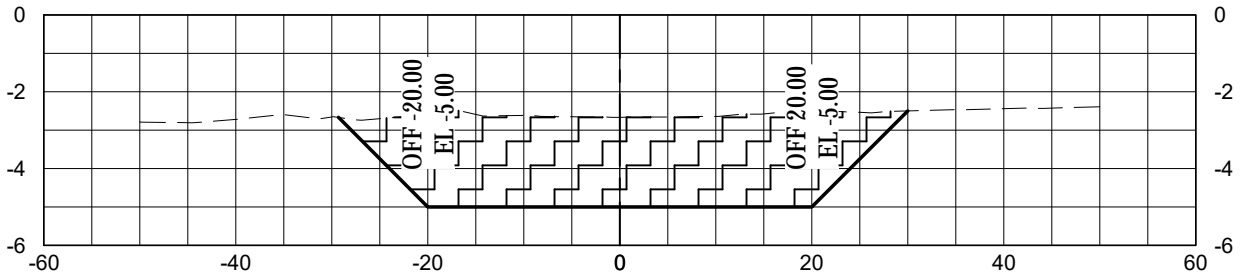
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	27 - Access Channel Sections		

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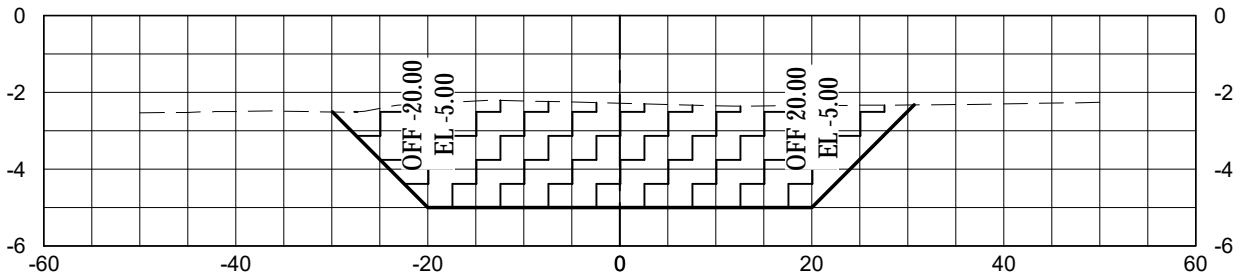
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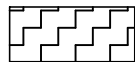
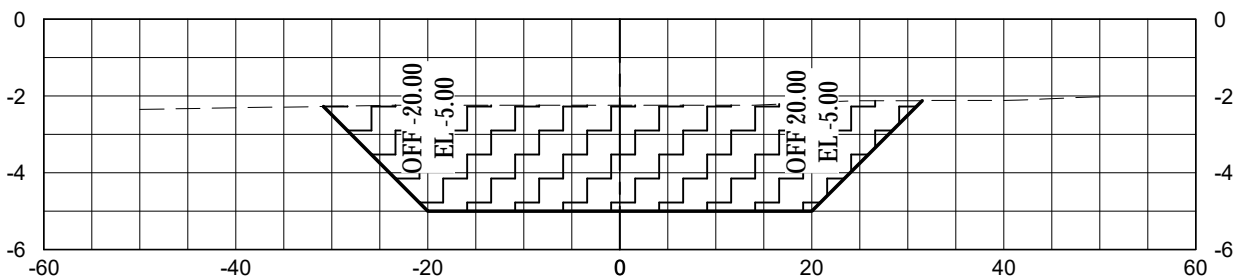
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AREA OF CUT

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— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



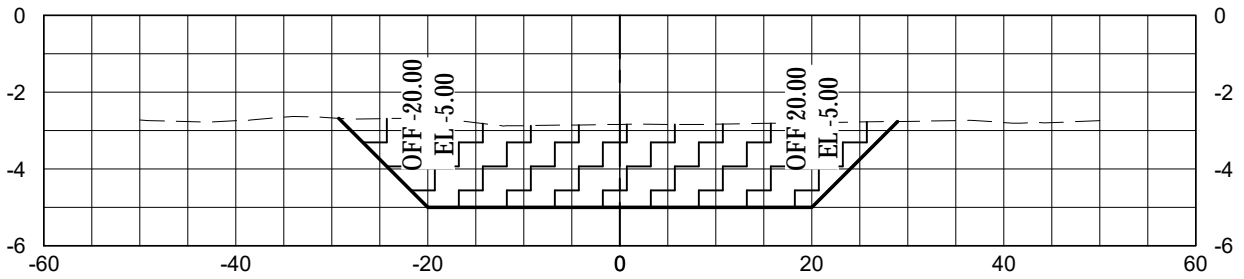
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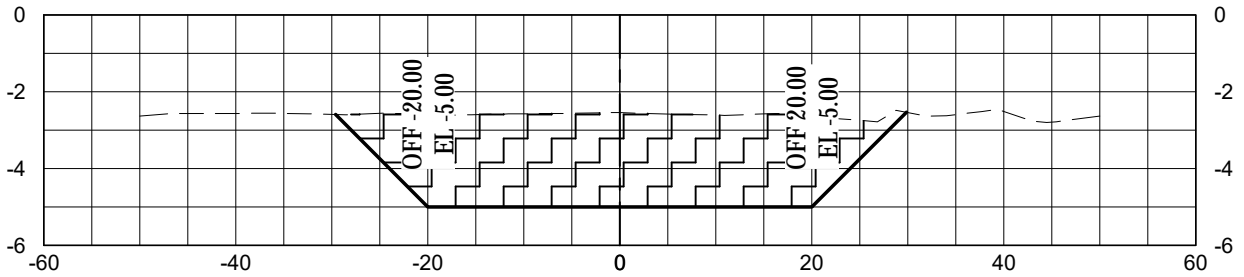
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	28 - Access Channel Sections		

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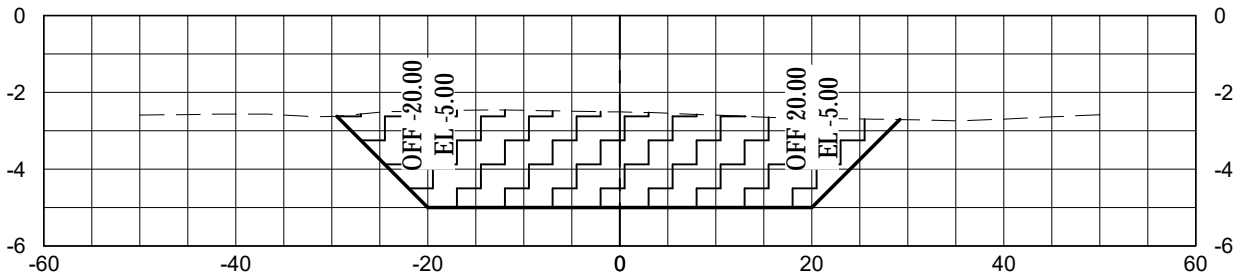
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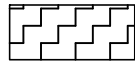
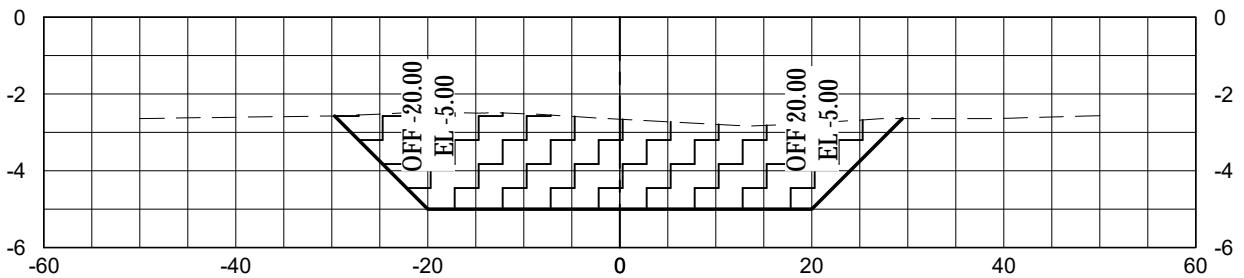
STA: 75+50



STA: 75+00



STA: 74+50



AREA OF CUT

--- EXIST. GRADE

— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp

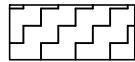
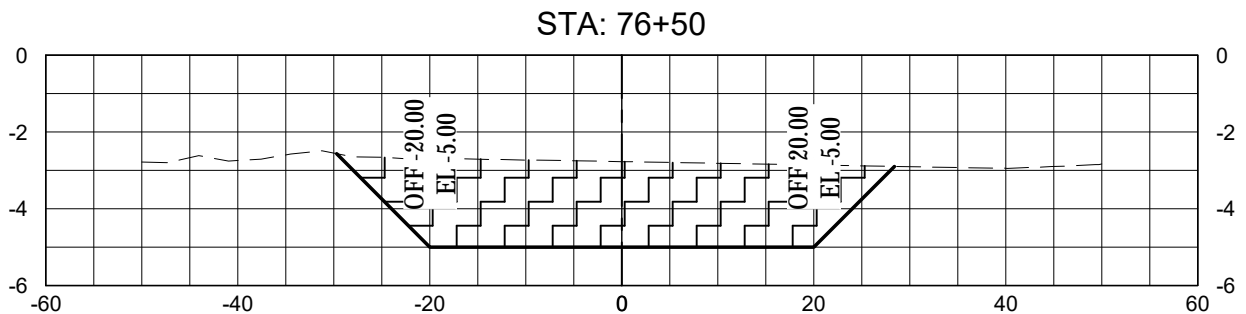
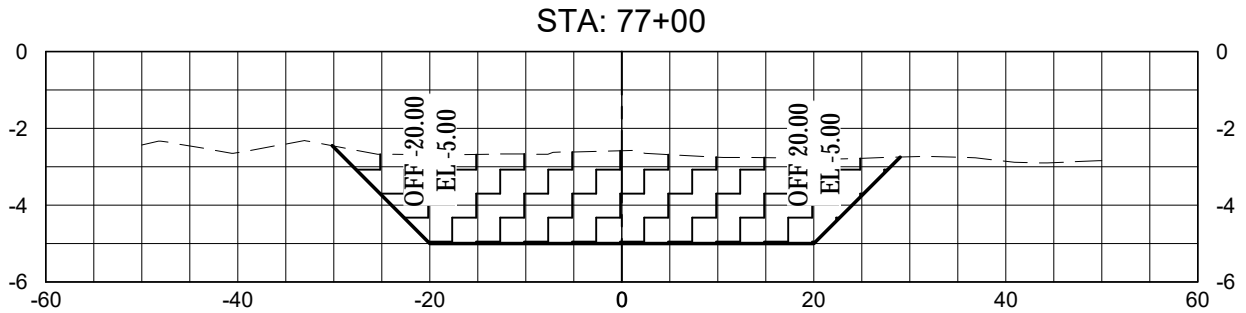
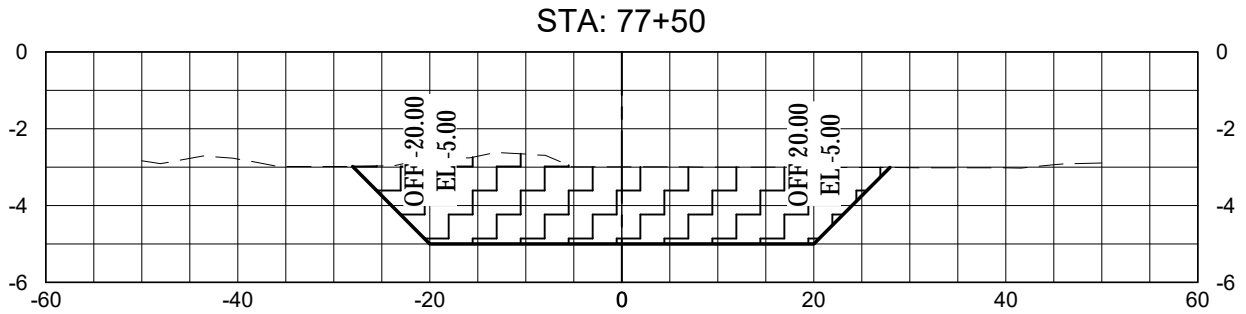
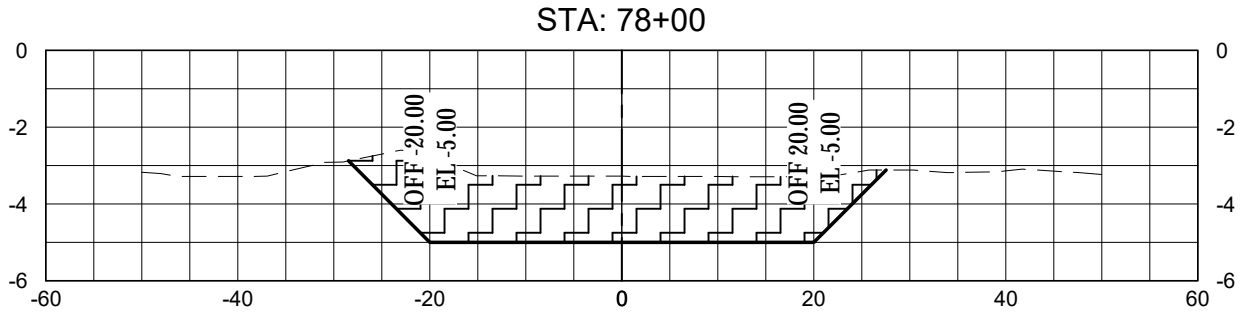


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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	29 - Access Channel Sections		

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Access Channel Sections.dwg Aug 28, 2017 - 8:38AM rlb8256



AREA OF CUT

--- EXIST. GRADE

— FINISHED GRADE

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners Escambia County
Purpose: Boat Ramp



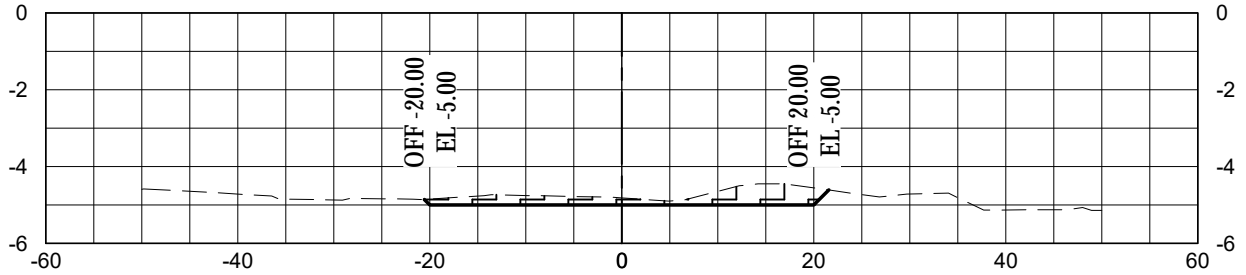
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 United States of America
 T +1 (850) 484 6011
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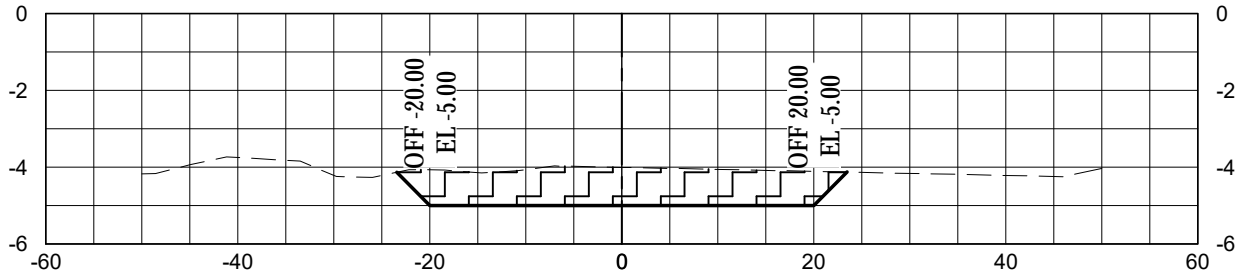
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	30 - Access Channel Sections		

p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Drawings\Sheets\Creege & fill permit set\31 - Access Channel Sections.dwg Aug 28, 2017 - 8:38AM rlb8256

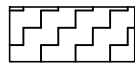
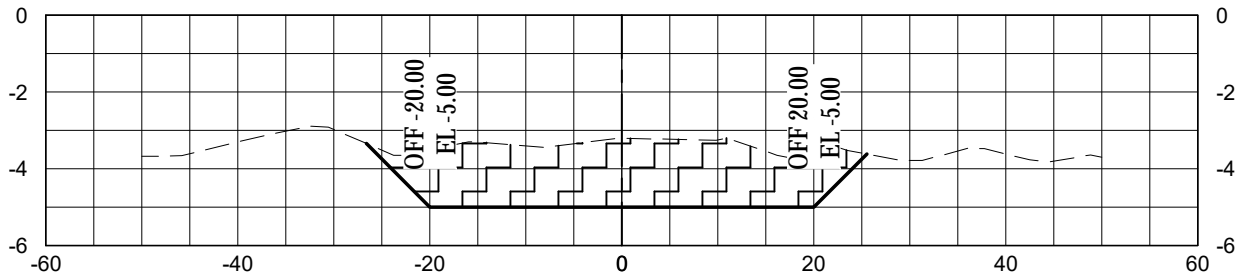
STA: 79+50



STA: 79+00



STA: 78+50



AREA OF CUT

--- EXIST. GRADE

— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
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Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	31 - Access Channel Sections		

MEAN HIGH WATER LINE
ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16



SCALE: 1" = 300'

TEMPORARY
SPOILS DISPOSAL



PRESERVED/ENHANCED WETLANDS



25' UPLAND PRESERVATION

	SQ. FT.	AC.
PRESERVED/ENHANCED WETLANDS	508,790	11.68
UPLAND PRESERVATION	171,954	3.95

Project: Perdido Bay
Boat Ramp

Applicant: Board of County Commissioners
Escambia County

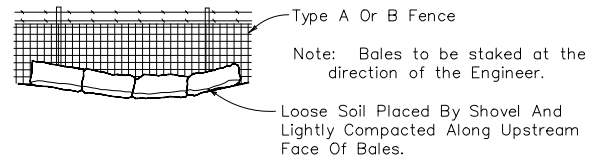
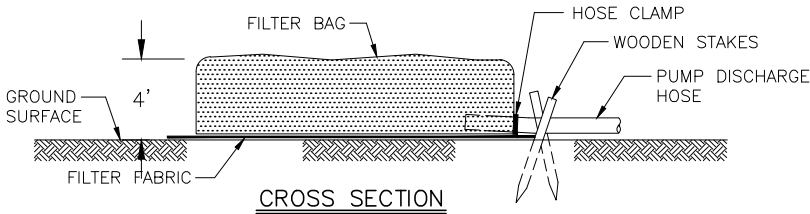
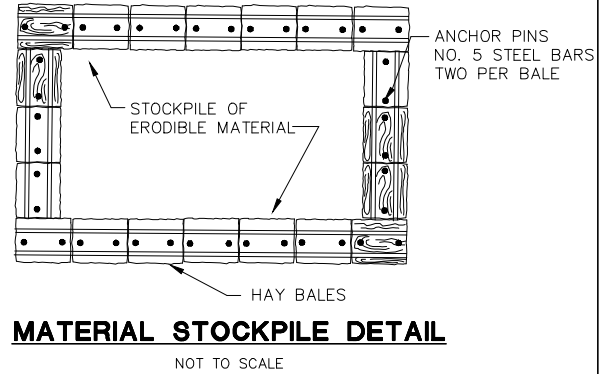
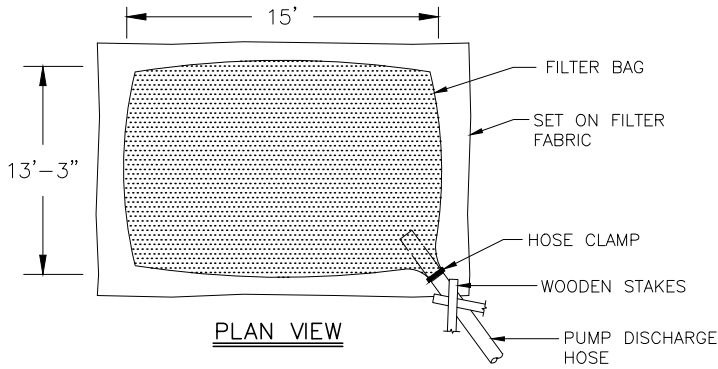
Purpose: Boat Ramp



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Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
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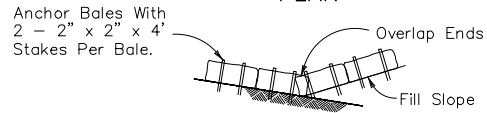
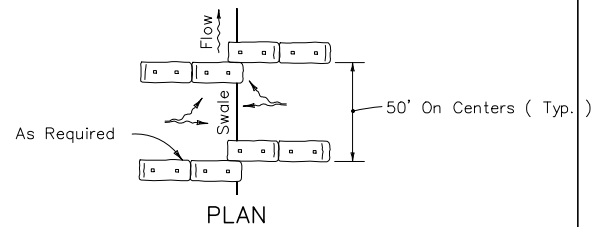
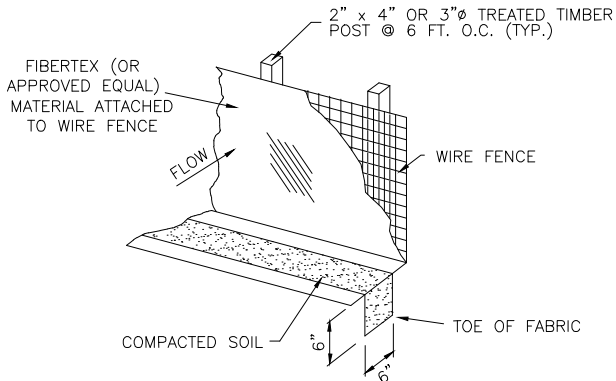
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AA - C0000035 EB - 0000155 LB - 0006783

Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:300	32 - Mitigation Plan		



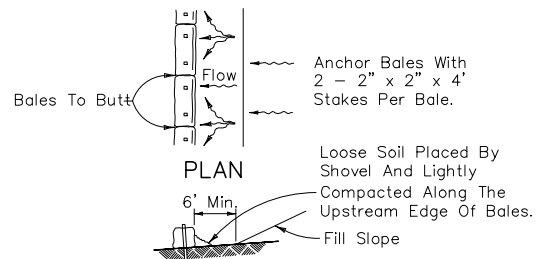
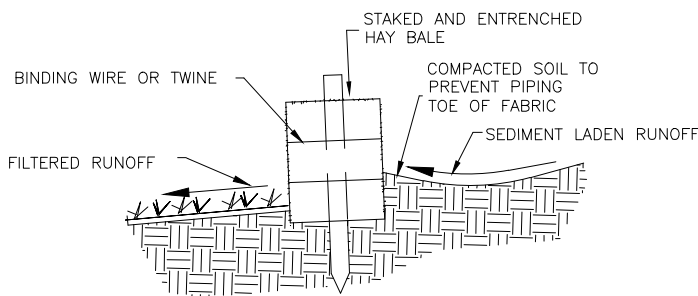
**FILTER BAG DETAIL
FOR TRENCH DEWATERING OPERATIONS**
NOT TO SCALE

BALES BACKED BY FENCE
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE

BALES BACKED BY FENCE
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



BALES BACKED BY FENCE
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES
NOT TO SCALE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

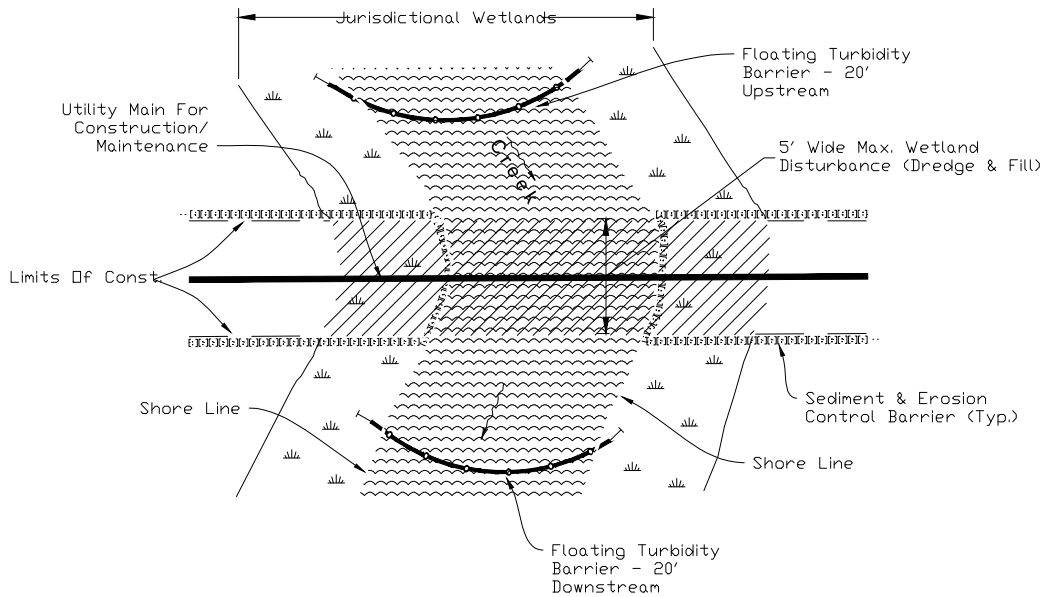
Purpose: Boat Ramp



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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
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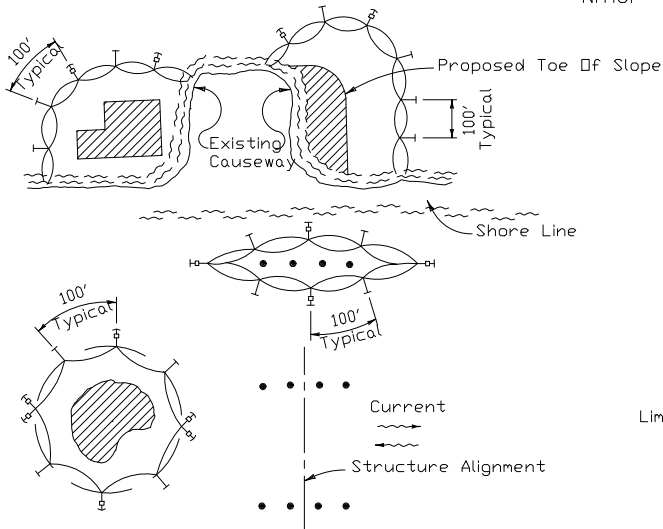
Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	NTS	33 - Details		



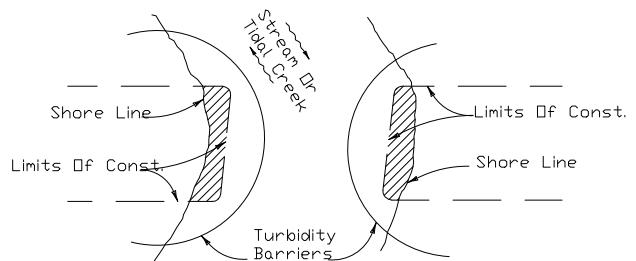
TURBIDITY BARRIER APPLICATIONS

N.T.S.



LEGEND

- Pile Locations
- ▨ Dredge Or Fill Area
- ⊖ Mooring Buoy w/Anchor
- Anchor
- ⊕ Barrier Movement Due To Current Action



NOTES:

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

Note:

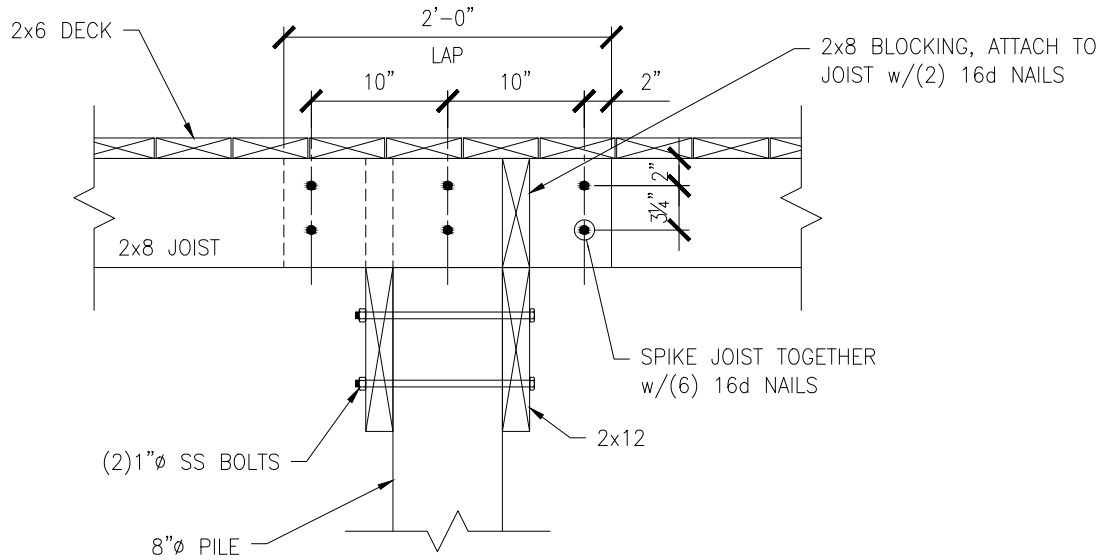
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

TURBIDITY BARRIER APPLICATIONS

N.T.S.

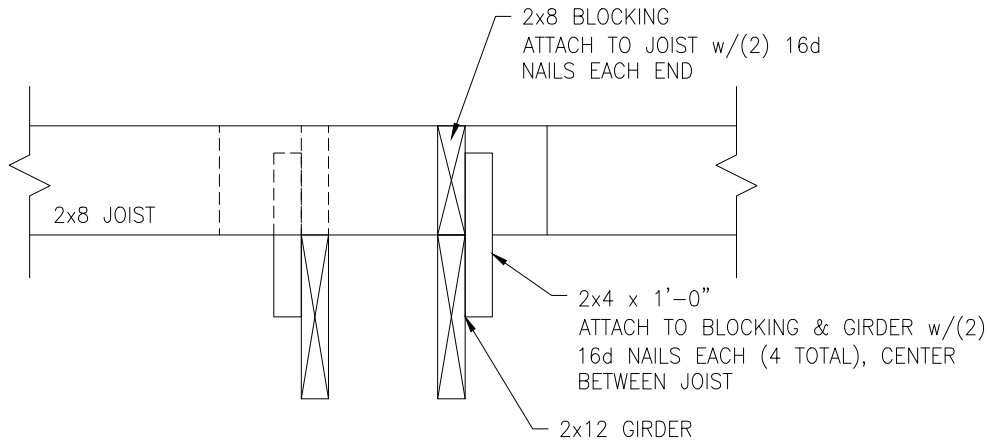
<p>Project: Perdido Bay Boat Ramp</p> <p>Applicant: Board of County Commissioners Escambia County</p> <p>Purpose: Boat Ramp</p>				<p>Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas</p> <p style="text-align: center;">Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783</p>			
Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	NTS	34 - Details		

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TYPICAL TIMBER CAP DETAIL

N.T.S.



TYPICAL JOIST TO GIRDER CONNECTION

N.T.S.

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

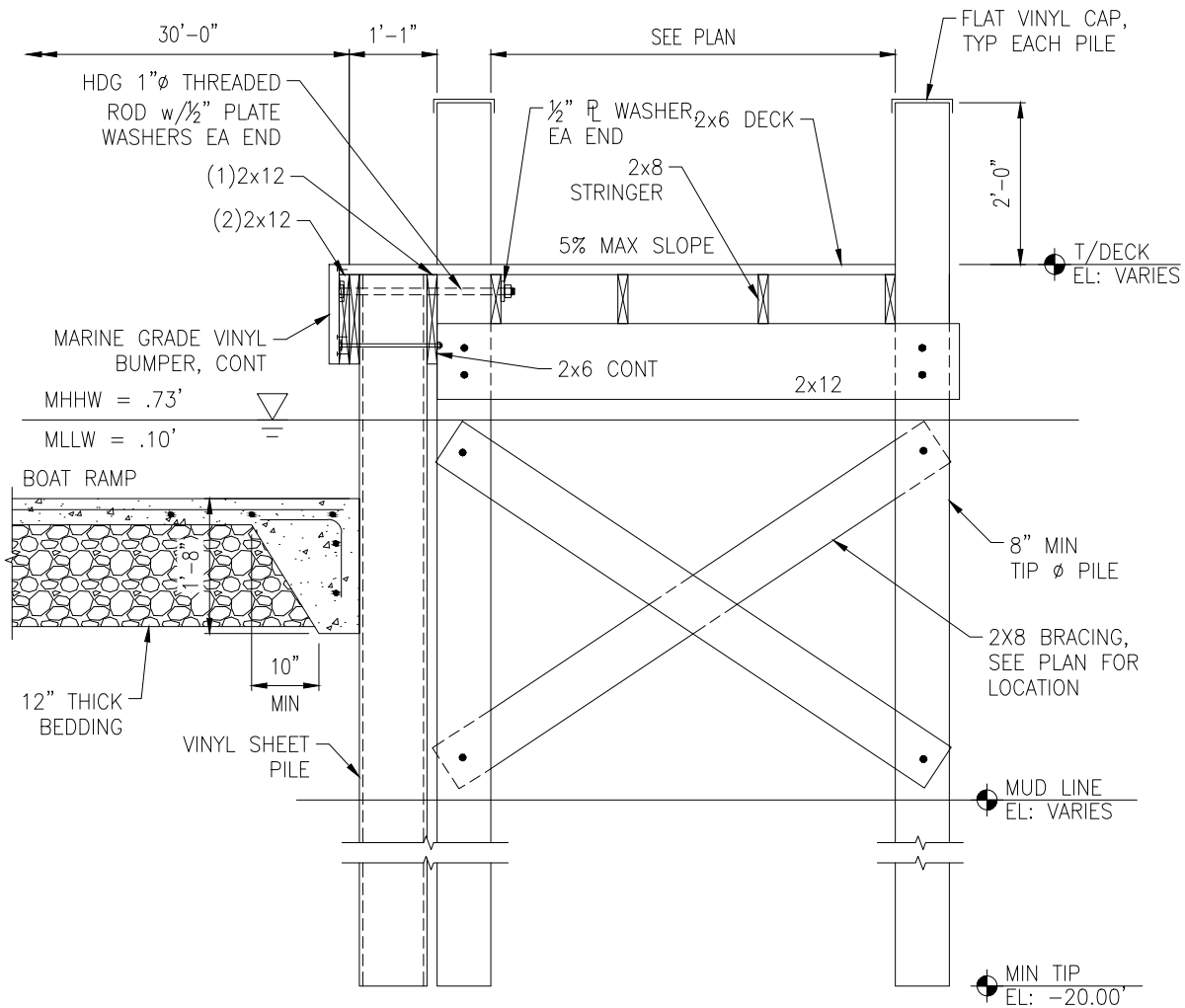
Purpose: Boat Ramp



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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
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Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	NTS	35 - Dock Details		



TYPICAL PIER

N.T.S.

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

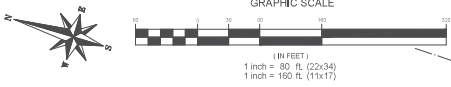
Purpose: Boat Ramp

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MOTT
MACDONALD

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220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

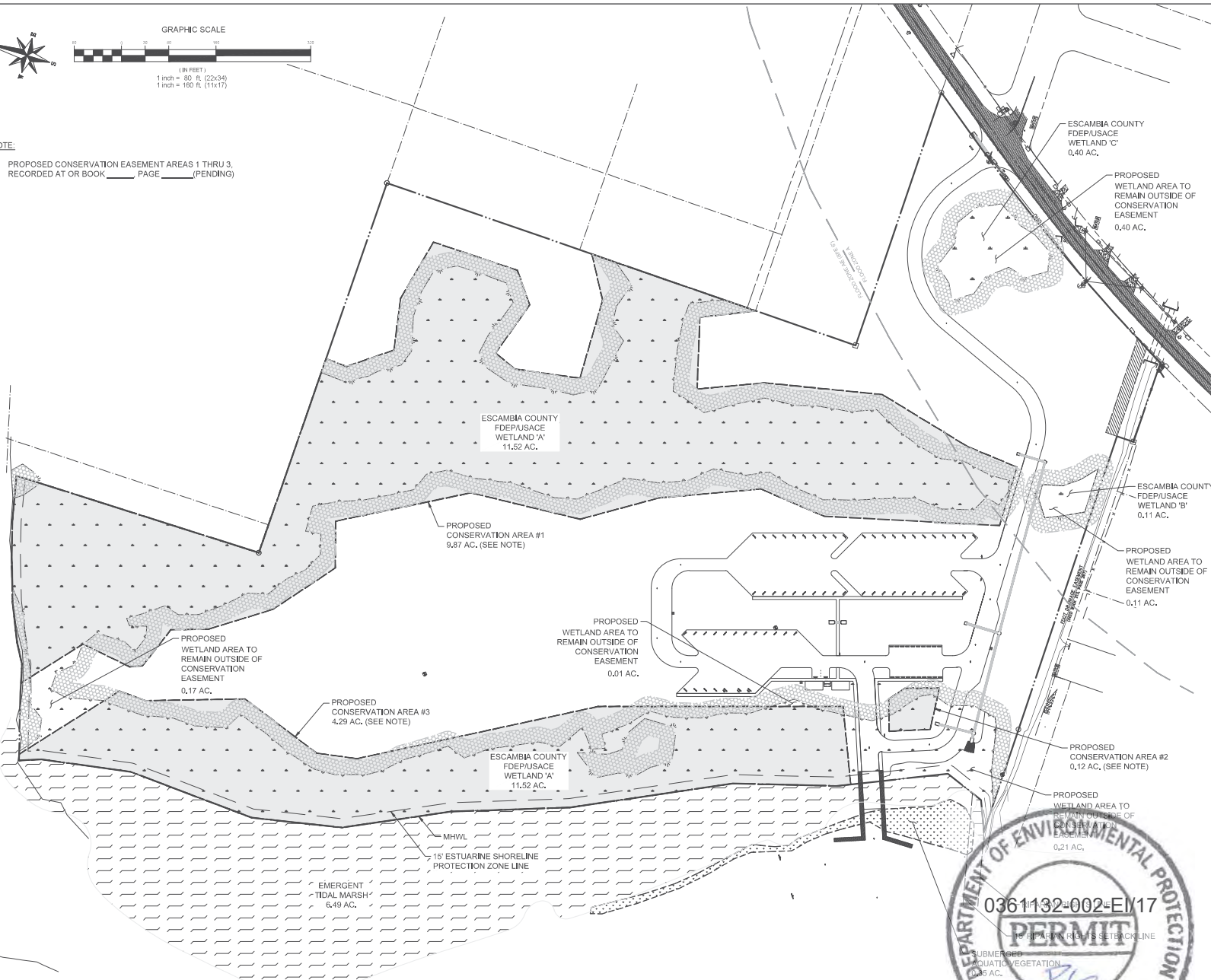
Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	NTS	36 - Dock Details		



NOTE:

1. PROPOSED CONSERVATION EASEMENT AREAS 1 THRU 3, RECORDED AT OR BOOK _____ PAGE _____ (PENDING)



LEGEND

	ESCAMBIA COUNTY/FDEP 25' UPLAND BUFFER
	WETLAND
	EMERGENT TIDAL MARSH
	SUBMERGED AQUATIC VEGETATION (VALLISNERIA AMERICANA) DELINEATED BY WETLAND SCIENCES, INC 11/19/17
	ESCAMBIA COUNTY/FDEP/USACE WETLAND JURISDICTION LINE (DELINEATED BY WETLAND SCIENCES, INC. 03/16/17)
	PROPERTY LINE

Rev	Date	Drawn	Description	Ch'kd	App'd

M M
MOTT MACDONALD
 Architects Engineers Surveyors
 AA - C0000035 EB - 0000155 LB - 0006783

Client
Escambia County Board of County Commissioners

Title
Perdido Bay Boat Ramp
PROPOSED CONSERVATION EASEMENTS

ISSUED FOR PERMIT
 THIS DRAWING IS PART OF A DIGITALLY SIGNED AND SEALED SET OF DRAWINGS. IN ACCORDANCE WITH 61G15-23.004, F.A.C., PRINTED COPIES OF THIS DRAWING ARE NOT CONSIDERED SIGNED AND SEALED AND ALL SIGNATURES MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Project Number	368117	B/O	32	Total	42
Designed	S. WHITE	Eng check			
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check		Approved			
Scale at ANSI D	1:80	Status	PRE	Rev	P1
Drawing Number		Security	STD		



1/20/2018 10:30:00 AM
 This drawing was generated by AutoCAD 2014.1
 Output File: C:\Users\m1155\Documents\368117\Drawings\368117-002-EI/17.dwg
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ATTACHMENT 2

Water Quality Certification

(5 Pages)

conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit and sovereignty submerged lands authorization, as described.

SPECIFIC CONDITIONS – ADMINISTRATIVE/EMERGENCIES

1. The construction phase expires at 11:59 p.m. on the date indicated on the cover page of this permit.
2. For emergencies involving a serious threat to the public health, safety, welfare, or environment, the emergency telephone contact number is (800) 320-0519 (State Warning Point). The Department telephone number for reporting nonthreatening problems or system malfunctions is (850) 595-0663, day or night.
3. The mailing address for submittal of forms for the “Construction Commencement Notice”, “As-Built Certification ...”, “Request for Conversion of Stormwater Management Permit Construction Phase to Operation and Maintenance Phase”, or other correspondence is FDEP, SLERP, 160 W Government Street, Suite 308, Pensacola, Florida 32502.
4. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and a determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department’s request. Submittal of the inspection documentation to the Department is not required.
5. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted to the Department on Form 62-330.311(1) Operation and Maintenance Inspection Certification, describing the remedial actions taken to resolve the failure or deviation. This report shall be signed and sealed by a registered professional.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

6. Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee, (or authorized agent) and the contractor, shall attend a pre-construction conference with a representative of the Department's Submerged Lands and Environmental Resources Compliance Assurance Program staff. The permittee shall notify the Department by email kenneth.dickey@floridadep.gov subsequent to contractor selection to request scheduling of the subject conference.
7. Prior to construction, the limits of impact and the conservation easement areas shall be clearly marked in a way which is visible and obvious to anyone performing work on-site, including someone operating heavy equipment. Orange construction fence or tall flagged stakes along the construction limits are possible methods.
8. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and

turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Methods shall include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of turbidity screens around the immediate project site.

9. Prior to installation of turbidity screens or initiation of dredging activities, the permittee shall use PVC pipes to clearly delineate the extent of any seagrass beds in the vicinity of the dredge area. The PVC pipes shall be removed within 72 hours of dredging completion and once turbidity levels have returns to background.

SPECIFIC CONDITIONS – MITIGATION

10. Prior to any construction authorized by this permit, the proposed mitigation area shall be preserved through a perpetual conservation easement. A copy of the conservation easement is included as an attachment. The language in the conservation easement shall not be changed. Within 30 days of permit issuance, the approved regulatory conservation easement shall be signed by the appropriate party, notarized and recorded within the Official Records of Escambia County. The original recorded document shall be returned to the Department. Please mail the original recorded document to DEP, Attn: ERP Permitting, 160 W. Government Street, Suite 308, Pensacola, Florida 32502.

11. Mitigation consists of preservation of 14.38 acres of on-site wetlands through a conservation easement. Permanent signs shall be placed along the property boundaries of the conservation easement area. The signs shall consist of ¾-inch diameter aluminum posts, driven 30 inches into the ground and extending 3 feet above the ground with a highly visible aluminum sign (12 inches by 12 inches) bolted to the post. Signs shall be posted at 250 foot intervals and in conspicuous locations. All signs shall be installed within 30 days of the signature of this permit. The signs should read:

WETLAND CONSERVATION AREA
LAND AND DRAINAGE ALTERATION
ACTIVITIES PROHIBITED

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

12. The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

13. Areas of exposed soils shall be isolated from wetlands or other surface waters to prevent erosion and deposition of these soils into wetlands or other surface waters during permitted activities.

14. Staked filter cloth shall be positioned at the edge of the permitted fill slopes adjacent to wetlands to prevent turbid run-off and erosion.

15. Grass seed, or sod shall be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waters of the state and adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be established within

60 days of sodding or seeding. Turbidity barriers/erosion control devices shall be removed upon establishment of a substantial vegetative cover.

16. The following measures shall be taken immediately by the permittee when turbidity levels within waters of the State surrounding the project site, exceed 29 NTUs above background:

- a. Immediately cease work contributing to the water quality violation.
- b. Stabilize exposed soils contributing to the violation. Modify the work procedures responsible for the violation, install additional turbidity containment devices and repair non-functioning turbidity containment devices.
- c. Notify the Department within 24 hours of the time the violation is first detected.

17. Watercraft associated with the construction of the permitted structure shall operate within waters of sufficient depth to preclude bottom scouring, prop dredging or damage to submerged bottom or submerged resources. During all construction activities, there shall be a minimum of 1-foot clearance between the draft of the construction vessel or barge and the top of any submerged resources or submerged bottom.

18. Any damage to wetlands outside of the authorized impact areas as a result of construction shall be immediately reported to the Department at (850)595-8300 and repaired by reestablishing the pre-construction elevations and replanting vegetation of the same species, size, and density as that in the adjacent areas. The restoration shall be completed within 30 days of completion of construction, and the Department shall be notified of its completion within that same 30-day period.

19. Construction equipment shall not be repaired or refueled in wetlands or elsewhere within waters of the state.

Dredging

20. Areas to be dredged shall be dredged in accordance with the attached permit drawings and shall not exceed the areas and depths indicated on those drawings.

21. Floating turbidity curtains with weighted skirts that extend to within 1 ft. of the bottom shall be placed around the dredge area prior to the initiation of work authorized by this permit. The screens shall be maintained and remain in place for the duration of the dredge to ensure turbidity levels outside the construction area do not exceed 29 NTU's above background level. The permittee is responsible for inspecting and maintaining turbidity control devices so no violations of state water quality standards outside of the turbidity screens occurs. Turbidity shall be monitored as described in the monitoring portion of this permit.

22. Dredging shall be limited to day light; no dredging activities are authorized to be conducted at night.

23. The spoil cell shall be constructed in a manner which shall prevent the escape of dredged material and associated effluent into wetlands and surface waters. Discharge of water or dredged material to wetlands or other surface waters shall not be allowed during disposal or transport.

24. The clean dredged material will be hydraulically dredged and piped to an appropriate contained upland spoil disposal. Contaminated dredged material will be placed in geo-tubes and

capped with clean material in the upland spoil cell site as shown on sheets C-010, C-040, C-041, and C-041.

Turbidity Monitoring

25. Water turbidity levels shall be monitored if a turbidity plume is observed outside the limits of the required turbidity control devices. Samples shall be taken every four hours, one foot above the bottom, mid-depth, and one-foot below the surface at monitoring stations located as follows:

- a. Approximately 100 feet up-current of the work sites and clearly outside the influence of construction activities. (This shall serve as the natural background sample against which other turbidity readings shall be compared.)
- b. Directly outside the turbidity curtains surrounding the work sites and within the densest portion of any visible turbidity plume. (This sample shall serve as the compliance sample.)

26. Turbidity levels outside the construction area shall not exceed 29 NTU's above background levels. The following measures shall be taken immediately by the permittee whenever turbidity levels within waters of the State surrounding the project site exceed 29 NTUs above background:

- a. Notify the Department at 850-595-8300 at the time the violation is first detected.
- b. Immediately cease all work contributing to the water quality violation.
- c. Stabilize all exposed soils contributing to the violation. Modify the work procedures that were responsible for the violation, install more turbidity containment devices, and repair any non-functional turbidity containment devices.
- d. As required, perform turbidity monitoring per Specific Conditions.
- e. Resume construction activities once turbidity levels outside turbidity curtains fall below 29 NTUs.

27. Failure to report violations or to follow correct procedures before resuming work shall constitute grounds for permit revocation and may subject the permittee to formal enforcement action.

SPECIFIC CONDITIONS – OTHER LISTED SPECIES

28. This permit does not authorize the permittee to cause any adverse impact to or “take” of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of “take” and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a “take” permit cannot be issued. Requests for further information or review can be sent to FWCConservationPlanningServices@MyFWC.com.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

29. The stormwater management systems shall be inspected by a registered professional to evaluate whether the system is functioning as designed and permitted. Percolation performance should specifically be addressed. The registered professional may record his inspection on Form No. 62-330.311(1), Operation and Maintenance Inspection Certification or may provide his evaluation in any other format; however, any report must be signed and sealed by the registered professional. Submittal of the inspection report to the Department is not required; but the report

shall be made available to the Department upon request. Inspections shall be made by the registered professional in accordance with this schedule:

For Dry Retention:

- a. On the first anniversary of the date of conversion to Operation and Maintenance Phase.
- b. Every fifth year on the anniversary of conversion to Operation and Maintenance Phase, after the first year of successful operation.

30. All structures authorized by this permit shall remain in operable condition and shall not be allowed to deteriorate or otherwise contribute to a water quality violation for the life of the facility. All stormwater structures identified by this permit shall be maintained in proper working order for the life of the facility.

31. The Stormwater Operation and Maintenance Plan, as approved and enclosed with this permit, shall be implemented.

32. Percolation performance shall be evaluated within the pond at least every third year. If there is evidence of inadequate percolation, the pond bottom must be re-scarified or deep-raked to restore percolation characteristics. If reworking the pond bottom fails to restore adequate percolation, additional retention area restoration shall be performed as follows:

- a. Remove the top layer of the retention area bottom material to a depth of 2 to 3 inches and scarify or deep-rake the excavated bottom.
- b. Replace excavated bottom material with suitably permeable material and restore the pond bottom to design grade.

33. Inspections by the Permittee:

- a. The stormwater system shall be inspected periodically for accumulation of debris and trash. Accumulations of debris and trash that negatively affect the function of the system shall be removed upon discovery.
- b. The stormwater system shall be inspected periodically for silt accumulation. Accumulations of silt that negatively affect the function of the system shall be removed.

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under chapter 62-330, F.A.C., except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management

ATTACHMENT 3

Commencement Notification

(1 Page)

COMMENCEMENT NOTIFICATION

*Within ten (10) days of initiating the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number:** SAJ-2016-03427 (SP-HMM)

2. **Permittee Information:**

Name: _____

Email: _____

Address: _____

Phone: _____

3. **Construction Start Date:** _____

4. **Contact to Schedule Inspection:**

Name: _____

Email: _____

Phone: _____

Signature of Permittee

Printed Name of Permittee

Date

ATTACHMENT 4

Self-Certification Form

(1 Page)

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: SAJ-2016-03427 (SP-HMM)

Permittee's Name & Address (please print or type): _____

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

PROPERTY IS INACCESSIBLE WITHOUT PRIOR NOTIFICATION: YES _____ NO _____

**TO SCHEDULE AN INSPECTION PLEASE CONTACT _____
AT _____**

Description of the Work (e.g. bank stabilization, residential or commercial filling, docks, dredging, etc.):

Acreage or Square Feet of Impacts to Waters of the United States: _____

Describe Mitigation completed (if applicable): _____

Describe any Deviations from Permit (attach drawing(s) depicting the deviations):

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Date

ATTACHMENT 5

Compensatory Mitigation Plan

(59 Pages)

Perdido Bay Boat Ramp

Compensatory Wetland Mitigation Plan

Prepared for:

Escambia County Board of County Commission
3363 West Park Place
Pensacola, FL 32505

Prepared by:



3038 Gulf Beach Hwy, Pensacola, FL 32507
Tel: 850-453-4700; e-mail: keith@wetlandsciences.com

October 2, 2017 (submitted in support of DA Application)
February 12, 2018 (revised in response to RAI)
July 13, 2021 (Corps requested condensed version not to include alternative analysis)

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Appendix F.	Sketch of Wetland Resources
Appendix G.	Ecological Communities within the Subject Property
Appendix H.	UMAM Polygon Worksheet

SECTION 1.0 INTRODUCTION

Escambia County Board of County Commission is seeking authorization to construct a public boat launching facility with associated parking, access road, stormwater management facility, and accessory piers within a 32.99-acre parcel which is riparian to both Bridge Creek and Perdido Bay in Escambia County, Florida (**Appendix A** – Site Location Maps). The project is located at 10836 Lillian Highway, Pensacola, Florida 32507, Parcel ID No.: 16-2S-31-4002-000-000 and 16-2S-31-4002-000-027, in Section 16, Township 02 South, Range 31 West in Escambia County, at Latitude 30°24' 34.19" North / Longitude 87°22' 26.20" West.

A search of historical records suggests the first development activities within the subject property occurred in 1949 with the construction of a single-family home and detached garage. The single-family home was demolished & removed from the property sometime in 2004. The detached garage remains on the property.

From 2004 to 2006 the property was being developed into a single-family residential subdivision. This subdivision project was authorized by the Corps of Engineers on May 28, 2008, with verification of coverage under Nationwide Permit Number (NWP) 18 (**Appendix B**). The Corps authorized the applicant (Herons Forest Development Company – Not to be confused with the Herons Forest Subdivision) to fill 0.016 (679 SF) of wetlands for the construction of a road incidental to the development of the parcel into a 71-lot single family subdivision. The NWP verification issued by the Corps is appended as **Appendix B**. On page 4 of 8 of the referenced Corps permit, a proposed road is shown in an existing gap in the wetland community. The subdivision entrance roadway utilized an existing on-grade road that was established in 1949 when the single-family home was constructed. The subdivision required a much larger entrance road that would meet the requirements of the Escambia County Land Development Code. Therefore, the proposed crossing only required incidental wetland impacts (679 SF) along the south side of the proposed right of way. Essentially the applicant was expanding the existing entrance driveway.

As required in special condition #5 of the referenced NWP, the applicant encumbered 10.32 acres of on-site wetlands and 0.015 acres of onsite uplands as mitigation for the project impacts (679 SF). An easement was granted to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida and recorded in O.R. Book 6016, Page 1885, public records of Escambia County.

The proposed development was later approved by Escambia County through the issuance of a development order, and some clearing of the right of way was undertaken. The development of the property stopped just after the rights of ways were cleared. As time progressed and due to lack of maintenance the cleared right of way was subject to old field succession where opportunistic trees and shrubs began to overtake the newly disturbed earth. The wetland fill activity referenced in the Corps permit was never undertaken by the applicant. In September 2016, Escambia County requested that both the DEP and the Corps release the easement as the activity necessitating the easement was never undertaken by the applicant. In October 2016, DEP and the Corps released the easement. A copy of the recorded release is appended as **Appendix C**.

In 2016, Escambia County retained Mott MacDonald to provide design & engineering services for the Perdido Bay Boat Ramp Project. The design plans prepared by Mott MacDonald (**Appendix D**) include the construction of a single two-lane boat ramp with associated boarding docks/piers, asphalt access drives and parking areas, concrete sidewalks, and associated stormwater infrastructure. This proposed site features a two-lane access drive connection to Lillian Highway directly opposing Jolene Drive, parking for a total of 59 standard vehicle-trailer parking stalls, 3 handicap vehicle-trailer parking stalls, 20 standard vehicle parking stalls, 2 handicap vehicle parking stalls and three dry retention stormwater management facilities. Site grading is proposed to achieve ADA compliant accessible routes from all handicap parking stalls to an ADA compliant boarding dock at the boat launch. Additionally, the project will include proposed dredging of a turning basin and 40' access channel through portions of Heron Bayou/Bridge Creek and the nearshore shallow bottoms of Perdido Bay to allow two-way travel for the selected design watercraft.

As depicted in the civil site plan drawings existing wetlands are located along the entire waterfront. A boat ramp is a water dependent structure that will require an ingress/egress ramp allowing trailered boats to be placed in the water. The construction of the ramp will require impacts to existing wetland resources. This impact is unavoidable. The on-site wetlands are subject to the Corps jurisdiction under Section 404 of the Clean Water Act (33 U.S.C. §1344). The ramp will be constructed in the interior portions of Heron Bayou. Portions of this bayou are relatively shallow (<-5-ft. Mean High Water). A basin at the waterward terminus of the ramp along with a channel leading to the open waters of Perdido Bay will be required to provide safe navigational access to the boat ramp. Dredging activities will be subject to the Corps jurisdiction under Section 10 of The Rivers and Harbors Act of 1899 (33 U.S.C. 403).

Stated briefly, authorization is being sought to construct a public boat launching facility within a 32.99-acre parcel and including impacts to approximately 3.52 acres of wetlands and surface waters associated with Heron Bayou and Perdido Bay, a Class III Florida Waterbody, Unclassified Shellfish Harvesting Area. Those activities include the construction of a 2-lane boat ramp, associated parking lot, access road, stormwater management infrastructure, and 2 accessory piers, as well as dredging of a 2,260 foot by 40-foot channel to a depth of -5 feet NAV to provide ingress/egress to the facility. The proposed activities are depicted on the attached exhibits.

The proposed project is not located within the service area of a state or federally approved mitigation bank or an approved in-lieu fee program; therefore permittee-responsible mitigation using a watershed approach is the only option available to the applicant. The applicant does control the remaining post development wetland area within the same parcel of land as the impact site: therefore permittee-responsible mitigation through on-site and in-kind mitigation is proposed.

Both the impact and mitigation site are in the lower Perdido Bay watershed (HUC 03140107). Most of the 1,200 square mile Perdido River and Bay watershed is in Baldwin and Escambia Counties, Alabama, and in Escambia County, Florida. In addition to the Perdido River, several stream systems discharge into Perdido Bay from both Florida and Alabama. Significant among these are Soldier Creek and Palmetto Creek in Alabama, and the Eleven mile / Eight-mile Creek system and Bayou Marcus Creek in Florida.

Development in the northern part of the watershed has been minimal, due in part to the predominance of forested and emergent wetlands and the presence of conservation lands along the Perdido River. In contrast, a much higher density development is within the Pensacola urban area, with substantial shoreline development found along lower Perdido Bay – particularly south of the U.S. Highway 98 Bridge. It is apparent, however, that the watershed receives considerable non-point source pollution from agricultural and urban areas within Alabama, as well as urban development in and around Pensacola and on Perdido Key. Perdido Bay and Eleven-mile Creek have experienced long-term water quality impairment from paper mill discharge along with other ongoing water quality issues relate to erosion and deposition of sediment from unpaved roads. This compensatory mitigation plan considers permittee responsible on-site and in-kind enhancement and preservation of high-quality forested wetland resources within the lower Perdido Bay watershed to offset project related functional loss.

SECTION 2.0 PHYSICAL SETTING AND ECOLOGY

2.1 Location and Landscape

To offset unavoidable impacts that will occur from these authorized activities, Escambia County shall provide mitigation that includes the enhancement and management of 0.40 acres of forested wetlands and preservation and management of 10.696 acres of wetlands and 3.586 acres of uplands. The mitigation areas are depicted in the map exhibit provided in **Appendix E**.

2.2 Area Physiography

Escambia County is subdivided into two physiographic provinces: The Western Highlands and the Gulf Coastal Lowlands. The mitigation area is in the Gulf Coastal Lowlands Physiographic Province. The bank site lies within the Coastal Lowlands division of the Coastal Plain physiographic province. The Coastal Plain province is a broad belt of primarily unconsolidated sand, gravel, silt, and clay. Falling sea levels during the Pleistocene Epoch eroded the Citronelle Highlands or Western Highlands division of the Coastal Plain province and formed the Coastal Lowlands. Sedimentary landforms, which are relatively flat and highly dissected by low velocity streams, make up most of the Coastal Lowlands. Today, the area of the project consists of a series of low ridges, generally less than 10 meters above mean sea level. The hydrology of the area is characterized by sluggish, dendritic, and marshy drainage systems.

The mitigation area is underlain by a sequence of Miocene and younger marine sand and clay deposits referred to as the Miocene clastics. In northern Escambia County, the Miocene clastics unit ranges in thickness from 100 feet, where beds crop out, to about 3,000 feet in the subsurface in the southern most part. The uppermost aquifer beneath the bank site occurs in the Miocene clastics and is referred to as the Sand-and-gravel aquifer.

The Miocene clastics have rapid facies changes, a lack of fossils, and an abundance of sand and gravel, suggesting a high energy, rapidly changing depositional environment. Regionally, the strata in the Sand-and-gravel aquifer dip to the southwest. The surficial soil zone in the Miocene clastics consists of light tan, fine to coarse, loose quartz sand, underlain by reddish brown, semi

consolidated sand. Below the surficial deposits lie white to light or reddish brown, fine to coarse quartz sand that is generally poorly sorted. The sand sequence also contains lenses of gravel.

Lenses and layers of clayey materials occur throughout the sand sequence that composes the aquifer. Some of the layers are believed to be regionally extensive and relatively continuous. The nature and extend of these layers affect the degree of hydraulic connection with various intervals of the aquifer system, and the movement of water within the unsaturated and saturated zones of the aquifer system.

The site is underlain by undifferentiated terrace, marine and fluvial deposits. This unit is principally composed of quartz sand and gravel with several discontinuous lenses of silt and clay. This material was deposited by Perdido River and associated tributaries which have shifted back and forth across the floodplain creating an environment where clay and silt were deposited in low energy environments and coarse gain sands during periods of high energy.

2.3 Soils

The proposed mitigation lands are largely comprised of Dorovan muck and Fluvaquent soils. The Dorovan series consists of very deep, very poorly drained organic soils that formed in highly decomposed remains of woody and herbaceous plants. These soils are in depressions on nearly level flood plains along streams and rivers. The seasonal high-water table ranges from 2 feet above the surface to a depth of 1/2 foot from December through July in most years. Slopes are less than 1 percent. These soils are dysic, thermic Typic Medisaprists.

Dorovan soils are geographically associated with Fluvaquents and Croatan, Mantachie, Pelham, and Yemassee soils. The Croatan soils are in positions like those of the Dorovan soils and have loamy or sandy sediments within a depth of 51 inches. The Fluvaquents and Mantachie soils are in slightly higher positions than the Dorovan soils on flood plains and are mineral soils. The Pelham and Yemassee soils are in higher positions than the Dorovan soils on terraces and are mineral soils.

2.4 Wetlands

Wetland Sciences, Inc. completed an evaluation of the wetlands located within the subject property. The jurisdictional extent of wetlands was physically identified and located by Wetland Sciences, Inc. in accordance with both the methodology outlined in Chapter 62-340, Florida Administrative Code and in the Florida Wetlands Delineation Manual (State – DEP & Water Management District) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Federal – Corps) (**Appendix F**).

2.5 Ecological Communities

Approximately 11.74 acres of wetlands were identified by WSI (**Appendix F**). There are five ecological communities located within and adjacent to the subject property (**Appendix G**). They include emergent tidal marsh, submersed aquatic vegetation, freshwater marsh (non-tidal), bottomland forest, and upland mixed hardwoods.

The emergent tidal marsh is located immediately waterward of the mean high-water line along Heron Bayou. This community is located in between the mean high-water line and the open waters of Heron Bayou. It is dominated black needle rush (*Juncus roemerianus*), sawgrass (*Cladium jamaicense*), and in the lower elevations and nearer to the mouth of Perdido Bay saltmarsh cordgrass (*Spartina alterniflora*). This community is not shown the exhibit since it is located outside the physical bounds of the property, but its signature is readily apparent on the aerial photograph. Again, this community comprises the entire area in between the mean high-water line and the open waters of Heron Bayou.

Waterward of the emergent tidal marsh is an area of submerged lands occupied by wild celery (*Vallisneria americana*). The submersed aquatic vegetation is limited the riparian waterfront along the southeast corner of the subject property. Wild celery is a salt tolerant, freshwater species that occurs in fresh, oligohaline, and mesohaline reaches of estuaries in southeastern United States. The area of submerged vegetation is located proximal to the outfall of a large stormwater conveyance ditch located along the southern property line. The conveyance ditch has a continuous flow/discharge of freshwater that enters Heron Bayou near the southeast

2.6 Site Hydrology

The nearly level topography, sandy soils, and season precipitation cycle are the principal influences of hydrology within the mitigation site. The flat topography permits percolation of precipitation and facilitates soil saturation and slow surface runoff. During the wet season, soils within the mitigation area will become saturated and poorly aerated. Conversely, during the dry season high evapotranspiration rates will dry out the upper soil horizons. Water depths within the mitigation site vary throughout the season but typically can be found at the surface to one foot below the ground during the during the dry season. For most of the year, water can be found within a few inches below ground surface.

SECTION 3.0 MITIGATION PLAN

Compensatory mitigation will include the preservation of remaining on-site wetland resources, on-site enhancement of the disturbed bottomland hardwood wetlands, and preservation of remaining upland buffers.

Disturbed bottomland hardwood wetland enhancement and preservation

This includes a 0.40-acre bottomland hardwood polygon identified as “Wetland C” (See proposed conservation easement areas in **Appendix E**). An additional 0.36 acres of upland that surround the 0.40-acre polygon will be avoided and preserved. This bottomland hardwood community was previously disturbed by land development activities. These activities have altered the plant community structure such that there is no real age distribution with canopy and subcanopy stratum. These stratum consist of even aged loblolly pine (*Pinus taeda*), slash pine (*Pinus elliotii*), sweetbay (*Magnolia virginiana*), swamp laurel oak (*Quercus laurifolia*), water oak (*Q. nigra*), swamp tupelo (*Nyssa sylvatica* var. *biflora*) and pond cypress (*Taxodium ascendens*). Alteration of the plan community structure provided a vector for exotic species including Chinese tallow (*Triadica sebifera*).

The enhancement includes removal and perpetual management of Category I and II invasive exotic plant species, specifically Chinese tallow (*Sapium sebiferum*) and Chinese privet (*Ligustrum sinense*) throughout the mitigation area. This will be accomplished via foliar application of appropriate herbicide.

The even age distribution of the plant community structure will be enhanced via the inter-planting of 3-gallon containerized sweetbay magnolia (*Magnolia virginiana*), blackgum (*Nyssa sylvatica*), and pond cypress (*Taxodium ascendens*) on twelve-foot centers.

This community will not be encumbered via a conservation easement. It will be managed for exotic and nuisance species by Escambia County staff.

Bottomland hardwood wetland preservation

This includes the preservation of 10.696 acres of pristine bottomland hardwood wetland polygon identified as “Wetland A” and “Areas 1 thru 3” (See proposed conservation easement areas in **Appendix E**). The areas to be preserved generally include a 25-ft. strip of land located landward of the wetland preservation polygon. Uplands to be included in the conservation easement total 3.586 acres. The total areas of uplands and wetlands to be preserved and managed total 14.28 acres.

Preservation will be accomplished via a conservation easement recorded in the official records of Escambia County. Preserved areas will be managed for Category I and II invasive exotic plant species, specifically Chinese tallow (*Sapium sebiferum*) and Chinese privet (*Ligustrum sinense*). This will be accomplished via foliar application of appropriate herbicide.

On-site wetland enhancement, preservation, and management was deemed appropriate via the evaluation of several key parameters including but are not limited to, surrounding landscape composition, state designation of important lands for preservation, a threatened landscape type, lands important for threatened, endangered, rare, and other priority aquatic species, lands important for water quality or quantity threats, and lands subject to development threats.

While the extensive presence of wetlands within the subject property limits its development potential, the parcel does contain dense stands of mature slash pine that has significant monetary value especially considering that local zoning, existing silvicultural practices, and existing infrastructure would facilitate harvest of timber resources. Such activities would significantly degrade current plant community structure and therefore result in loss in functions and values that would span decades.

SECTION 4.0 UMAM ANALYSIS

The design (**Appendix D**) considers one thirty-foot-wide two-lane boat ramp located in the southwestern corner of the subject property. Along either side of the ramp single access piers are proposed that follow the orientation of the ramp and then later transition parallel to the western shoreline of Heron Bayou. The design provides 59 parking spaces for trailers/tow vehicles, 3 handicap vehicle-trailer parking stalls, 20 standard vehicle parking stalls, 2 handicap vehicle parking stalls and three dry retention stormwater management facilities. Site grading is proposed to achieve ADA compliant accessible routes from all handicap parking stalls to an ADA compliant boarding dock at the boat launch. Additionally, the project will include proposed dredging of a turning basin and 40' access channel through portions of Heron Bayou/Bridge Creek and the nearshore shallow bottoms of Perdido Bay to allow two-way travel for the selected design watercraft.

The construction of a ramp and access drive will cross the forested wetland and the narrow portion of the emergent tidal marsh near the southwestern corner of the subject property. This will require the placement of fill 19,142 Sq. ft. (0.439 Acre) in wetlands and vegetated submerged lands. This will include 17,541 Sq. ft. of impact to the forested wetland community and 1,456 sq. ft. of impact to the emergent tidal marsh, and 145 Sq. ft. of submerged aquatic vegetation. No other permanent impacts to existing wetland resources are proposed. There are additional secondary and temporary impacts proposed along the access road and adjacent to the parking lot where the post development wetland community would not be afforded a 25-ft. wetland buffer. The proposed impacts are enumerated in the table below.

Impact Polygon ID	Habitat Type	Primary (Sq. Ft.)	Secondary (Sq. Ft.)	Temporary (Sq. Ft.)
Wetland A	Forested Wetland	17541	4526	
Wetland B	Forested Wetland		210	25
Wetland C	Disturbed Forested Wetland		14	
Tidal Marsh	Emergent tidal marsh	1456		
SAV	Submersed Aquatic Vegetation	145		
Total		19142	4750	25

Table 1. Wetland Impact Summary

The turning basin and channel will be dredged via a hydraulic suction dredge. Slurry material will be discharged into a temporary spoil's disposal cell located in the proposed development footprint in uplands. Spoil material will be allowed to dewater and if suitable will be used to achieve the proposed grades required for the development of the site.

The project scope of work would include soil erosion and sediment control, site dewatering, excavation and disposal of soils, and site restoration. The boat ramp would be comprised of 30' wide concrete formed on top of a stone bed base connecting to an asphalt access lane at the top

of the ramp. It is anticipated that temporary construction staging of equipment and materials will be situated on uplands to avoid disturbance to existing on-site wetland resources. Site dewatering would be accomplished through construction of a coffer dam at the waterside perimeter of the ramp and use of pump to pump out water as needed to work in the dry.

The proposed action will include an in-kind wetland mitigation plan that would result in no net loss of wetlands as required by the 2008 Final Rule for compensatory mitigation. The fundamental object of mitigation is to offset environmental losses resulting from unavoidable wetland impacts. Environmental loss is calculated as functional loss through evaluation of the impact site using the uniform mitigation assessment method (UMAM).

Five wetland impact polygons are noted on the plans. Wetland Sciences, Inc. completed a UMAM effect assessment for each of the proposed impact areas (See UMAM polygon worksheets in **Appendix H**). UMAM uses increments of 1 on a scale of 10 to rate the effects on system attributes in three categories of indicators of wetland function: Location and landscape support, Water environment, and Community structure. Each increment is essentially equivalent to approximately 10% change, and extremely subtle effects cannot typically be quantified in a UMAM if they do not exceed that threshold. The following is a summary discussion of the UMAM effect assessment for each of the wetland impact polygons.

Wetland Impact A

Location and landscape support – This variable includes the functions provided by an assessment area to fish and wildlife are influenced by the landscape position of the assessment area and its relationship with surrounding areas. The forested wetland community is contiguous to Heron Bayou and Perdido Bay. The adjacent uplands are undeveloped. The overall parcel is surrounded by low density single family residential except for areas immediately to the south. There are natural areas to the north, but corridors are generally limited by Lillian Hwy and single-family residential development. This would generally preclude wildlife access to and from outside the property. Wetlands serve to buffer open waters of Perdido Bay and Heron Bayou.

Water Environment – This parameter assesses the quantity of water in an assessment area including the timing, frequency, depth and duration of inundation or saturation, flow characteristics, and the quality of that water, may facilitate or preclude the ponds' ability to perform certain functions and may benefit or adversely impact its capacity to support wildlife. Hydrology is largely based on the polygon's proximity to Heron Bayou. Hydrology is largely intact with the only exception being potential effects associated with a large stormwater conveyance ditch to the south.

Plant Community Structure – This parameter evaluates the current condition of the plant community structure. The community is largely intact and appropriate for the community type. Limited evidence of human activity was noted. Historical uses were largely limited to upland communities. No exotic or nuisance species were noted. Age & size distribution of canopy and subcanopy strata is appropriate. The habitat contains woody debris, snag, and den cavities along with micro topographic features typical of bottomland hardwoods.

Emergent Tidal Marsh Impacts/Submersed Aquatic Vegetation

Location and landscape support – The tidal marsh and areas of submersed aquatic vegetation are located along between the mean high-water line and the open waters of Heron Bayou. Forested wetlands are located immediately landward of the marsh habitat. Wetlands serve to buffer open waters of Heron Bayou and provide essential habitat for fish and wildlife.

Water Environment –Hydrology is largely based on the polygon’s proximity to Heron Bayou. Hydrology is largely intact with the only exception being potential effects associated with the historic dredging of the mouth of Heron Back back in the 1940s and the outfall of a conveyance ditch located near the southwest corner of the subject property.

Plant Community Structure – The community is largely intact and appropriate for the community type. Limited evidence of human activity was noted. Historical uses were largely limited to upland communities. No exotic or nuisance species were noted. Community is devoid of canopy, subcanopy and shrub stratum.

Secondary Impacts for Wetland A, B, and C

Secondary impacts include quantification of those wetlands that will not be afforded a 25-ft. buffer from the proposed development activities. This will include predicted changes in Location and Landscape support as development will further fragment habitats. Remaining wetlands remain connected to contiguous habitats. The predicted change based on the intensity of existing development surrounding the polygon for those wetlands to remain and not afforded a buffer of 25-ft.

There will be no predicted change to hydrology. There will be a predicted change in the plant community structure resulting from the “edge effect”. Shrub density is likely to increase immediately along the developed edge and extending into those wetland areas to remain and not previously provided a buffer of 25'. This edge effect will likely be lessened in Polygons C&D with the implementation of the proposed enhancement plan. Enhancement will include the restoration of the plant community structure via inter-planting of appropriate hardwood trees and treatment of exotic and nuisance species.

The table below summarizes the functional loss attributed to the proposed project.

Wetland Polygon	Baseline ¹	With Project ²	Delta	Effected Acreage	Functional Loss ³
Wetland A Primary	0.8	0	-0.800	0.4	0.322
Tidal Marsh/SAV*	0.867	0	-0.867	0.04	0.032
Wetland A Secondary	0.8	0.667	-0.133	0.10	0.014
Wetland B/C	0.733	0.633	-0.100	0.01	0.001
Total				0.55	0.369

Table 2. Perdido Bay Boat Ramp Wetland UMAM Results

1. UMAM score for the baseline wetland
2. UMAM score for with project.
3. Calculated UMAM function loss. Negative suggests functional gain.

Polygon	Acres	L1	L2	W1	W2	C1	C2	W/Out Score	With Score	Raw Delta	Time Lag	P Factor	Risk	Adjusted Delta	FG
Bottomland Hardwood Wetland Preservation	10.7	9	8	8	8	9	8	0.8	0.867	N/A	N/A	0.6	N/A	0.04	0.428
Bottomland Hardwood Wetland Enhancement	0.4	8	8	8	8	9	6	0.733	0.833	0.1	1.25	N/A	1	0.08	0.032
Total															0.46

Table 3. Perdido Bay Boat Ramp Wetland Mitigation UMAM Results

SECTION 5.0 PROTECTION OF THE MITIGATION AREA

The mitigation plan includes the enhancement and management of 0.40 acres of forested wetlands, preservation, and management of 10.696 acres of forested wetlands and 3.586 acres of uplands. The 10.696 acre forested wetland depicted as “Wetland A” and “Conservation Areas 2, 3, and 4 will be preserved via a recorded conservation easement granted to the Florida Department of Environmental Protection with third party enforcement rights provided to the Corps.

The applicant will not encourage the placement of a utility or transportation corridor such as to impact the mitigation area. In the event all or part of this property is taken by exercise of the power of Eminent Domain or acquired by purchase in lieu of condemnation, whether by public, corporate, or other authority, to terminate the conservation easement in whole or in part, the

applicant is responsible for replacing any wetland functional values lost with in-kind wetland mitigation.

SECTION 6.0 PERFORMANCE STANDARDS (SUCCESS CRITERIA)

The sole objective of the mitigation plan is the maintenance of current ecological site conditions and to remove future potential impacts from development, agricultural, and other anthropogenic sources. As such, the success criteria are limited in scope. The specific performance standards proposed for the mitigation area is presented below:

1. Total coverage by appropriate wetland vegetation within the wetland areas of the mitigation site shall exceed 80%. Appropriate wetland vegetation shall consist of those species with an indicator status of either OBL, FACW, or FAC, those species which are native and/or not considered an exotic or nuisance.
2. There shall be no more than 1% total coverage by exotic and nuisance species.
3. Mortality of installed canopy trees shall not exceed 10%

SECTION 7.0 MONITORING AND MAINTENANCE

A monitoring and maintenance program will be initiated upon completion of enhancement activities, with monitoring of the mitigation area occurring annually for a period of five years. Monitoring reports will be submitted to the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers within 30 days of the performance of the monitoring event. Monitoring reports will provide photographic documentation of the mitigation area from a minimum of two fixed reference points and will discuss the current condition of the site and provide estimates of nuisance species coverage. The monitoring reports will also include a description of all maintenance efforts, which will be conducted in tandem with each monitoring event. Data collection will include the following:

1. Photographs of the mitigation area from an appropriate number of fixed-point photo stations.
2. Species and percent coverage of each ecological community type.
3. Percent coverage by nuisance or invasive species.

The monitoring reports will also include the following:

1. Written description of current site conditions.
2. Short statement on whether the performance standards are being met. This shall be expressed as a table that will compare the performance standards to the conditions and status of the mitigation area.
3. Dates of any recent corrective or maintenance activities conducted since the previous report submission.
4. Specific recommendations for any additional corrective or remedial actions.
5. Summary data to substantiate the success and/or potential challenges associated with the project. Photo documentation may be provided to support the findings and recommendations referenced in the monitoring report. Submitted photos will be clearly

labeled with the direction from which the photo was taken. The photo location points will also be identified on the appropriate maps.

6. Maps will be provided to show the location of the mitigation area relative to other landscape features, habitat types, locations of photographic reference points, transects, sampling data points, and/or other features pertinent to the mitigation site. In addition, the submitted maps and plans should clearly delineate the perimeter of the mitigation site.

If success is achieved after three years of monitoring, the applicant may petition both the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers to release the applicant of any further monitoring or maintenance activities.

SECTION 8.0 ADAPTIVE MANAGEMENT

Should unforeseen changes in site conditions occur, or other circumstances occur that result in performance standards or success criteria not being met, the applicant and/or designee will notify the Florida Department of Environmental Protection of the circumstances and conditions and the adverse effects to the mitigation area. Within 60 days of notification, a plan will be submitted to the District and Corps that contains the following:

1. A plan for maintenance or repair to restore the mitigation area's ability to attain the success criteria, or;
2. A modified mitigation plan that adequately offsets the loss of function documented by the impact; and.
3. A time frame for implementation of the maintenance or repair or completion of the modified mitigation plan.

Anticipated problems include invasion by non-native plant species. Exotic or invasive plants will be controlled through appropriate mechanical or chemical means.

SECTION 9.0 LONG TERM MANAGEMENT

Escambia County will be responsible for ensuring the perpetual management of mitigation area. Escambia County will manage the property for mitigation purposes, as necessary, and in accordance with the Environmental Resource Permit and Department of the Army Permit.

Appendix A

Site Location Map

PROJECT SITE

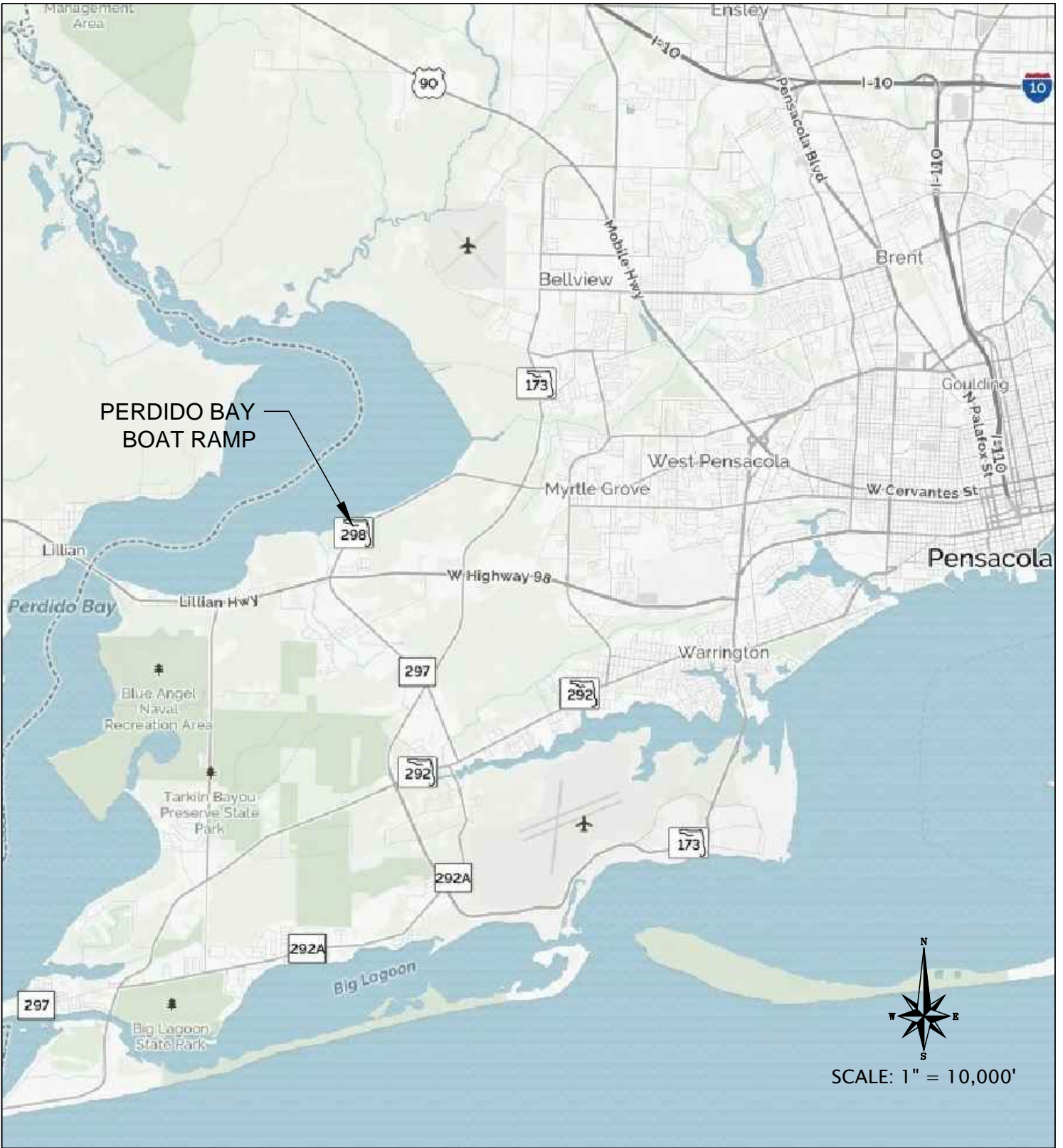
B A 1

LOT 1



Appendix D

Design Plans



p:\368117 - esco perdido bay boat ramp\Drawings\Civil\Lead drawings\Sheets\Credge & fill permit set\01 - Cover Sheet.dwg Aug 28, 2017 - 8:26AM r186256

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp			
Date	Drawn	Checked	Approved
Aug. 2017	C. Riley		S. White

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Mott MacDonald Florida, LLC.
 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
 T +1 (850) 484 6011
www.mottmac.com/americas

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CHANNEL MARKER

MATCHLINE - SEE SHT. 03

MEAN HIGH WATER
LINE ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16



SCALE: 1" = 300'

1' WOODEN
SEA WALL

SAWGRASS

APPARENT SEAPLINE
HERON BAYOU



FDEP/ACOE JURISDICTIONAL WETLANDS



SAWGRASS/MARSH

SITE CHARACTERISTICS

	SQ. FT.	AC.
TOTAL SITE AREA	1,436,913	32.99
UPLANDS	925,657	21.25
WETLANDS	511,256	11.74

Project: Perdido Bay
Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



Mott MacDonald Florida, LLC.
220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

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SCALE: 1" = 300'



MATCHLINE - SEE SHT. 02

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners Escambia County
Purpose: Boat Ramp



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 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
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ATCHLINE - SEE SHT. 05



SCALE: 1" = 300'

MEAN HIGH WATER
LINE ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16

WETLAND 'A'
FDEP/ACOE WETLANDS
IMPACT - 17,165 SF
SECONDARY IMPACTS - 3,998 SF
CUT - 0.14 CY
FILL - 1,563 CY

WETLAND 'B'
FDEP/ACOE WETLANDS
SECONDARY IMPACT - 516 SF

ACCESS CHANNEL 'A'
SURFACE WATER
IMPACT - 67,518 SF
CUT - 2,726 CY
FILL - 0 CY

FDEP/ACOE
WETLAND/MARSH
IMPACT - 1,097 SF
CUT - 87 CY
FILL - 0 CY

WETLAND 'C'
FDEP/ACOE WETLANDS
TEMPORARY IMPACT - 25 SF
SECONDARY IMPACT - 727 SF

WETLAND 'D'
FDEP/ACOE WETLANDS
SECONDARY IMPACT - 210 SF

- FDEP/ACOE JURISDICTIONAL WETLANDS
- 25' UPLAND BUFFER
- SECONDARY WETLAND IMPACTS
- SAWGRASS/MARSH
- PERMANENT WETLAND IMPACT
- AREA OF SURFACE WATER IMPACTS

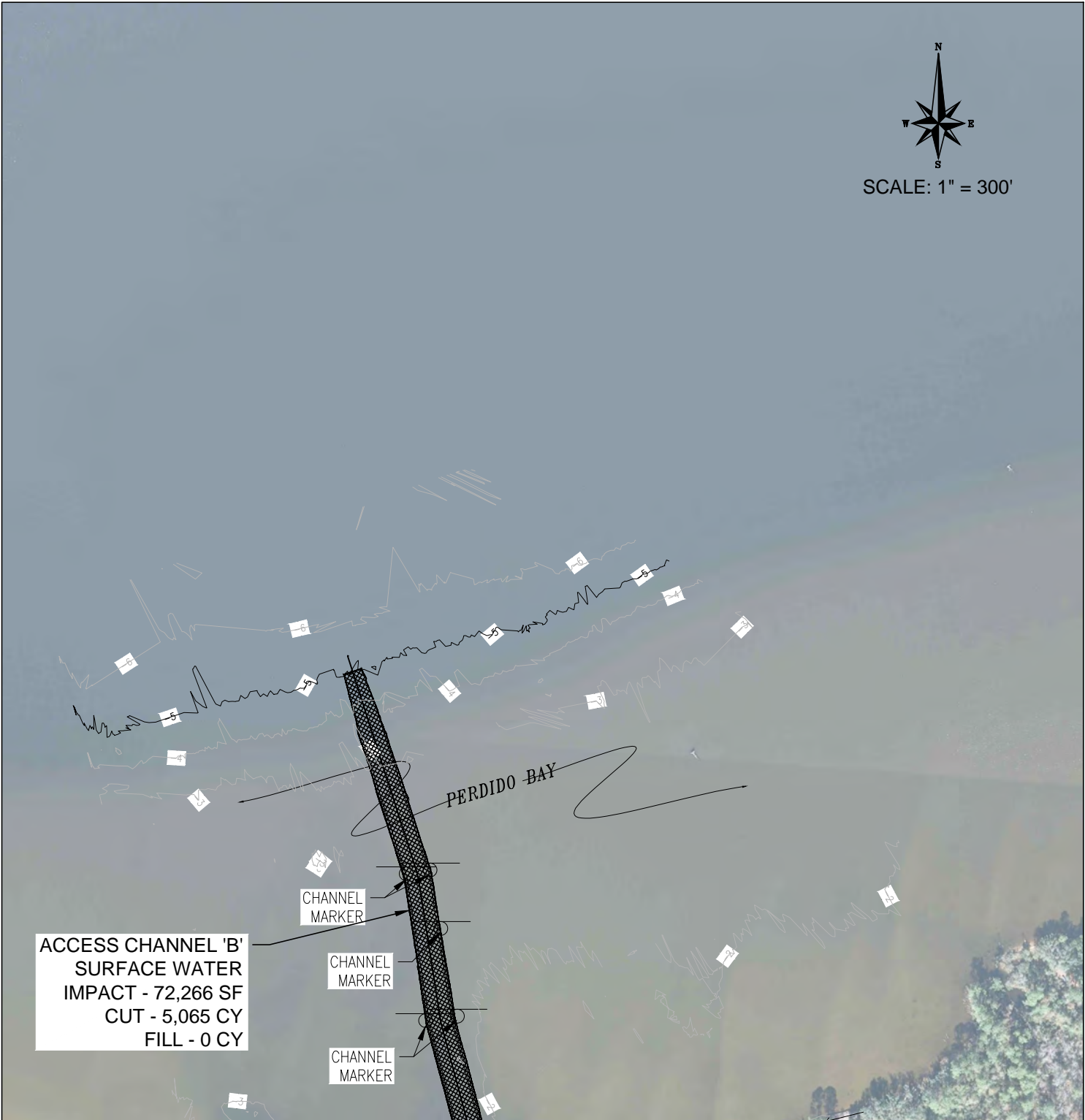
<p>Project: Perdido Bay Boat Ramp</p> <p>Applicant: Board of County Commissioners Escambia County</p> <p>Purpose: Boat Ramp</p>				<p>Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas</p> <p>Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783</p>			
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SCALE: 1" = 300'



MATCHLINE - SEE SHT. 04

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners Escambia County
Purpose: Boat Ramp



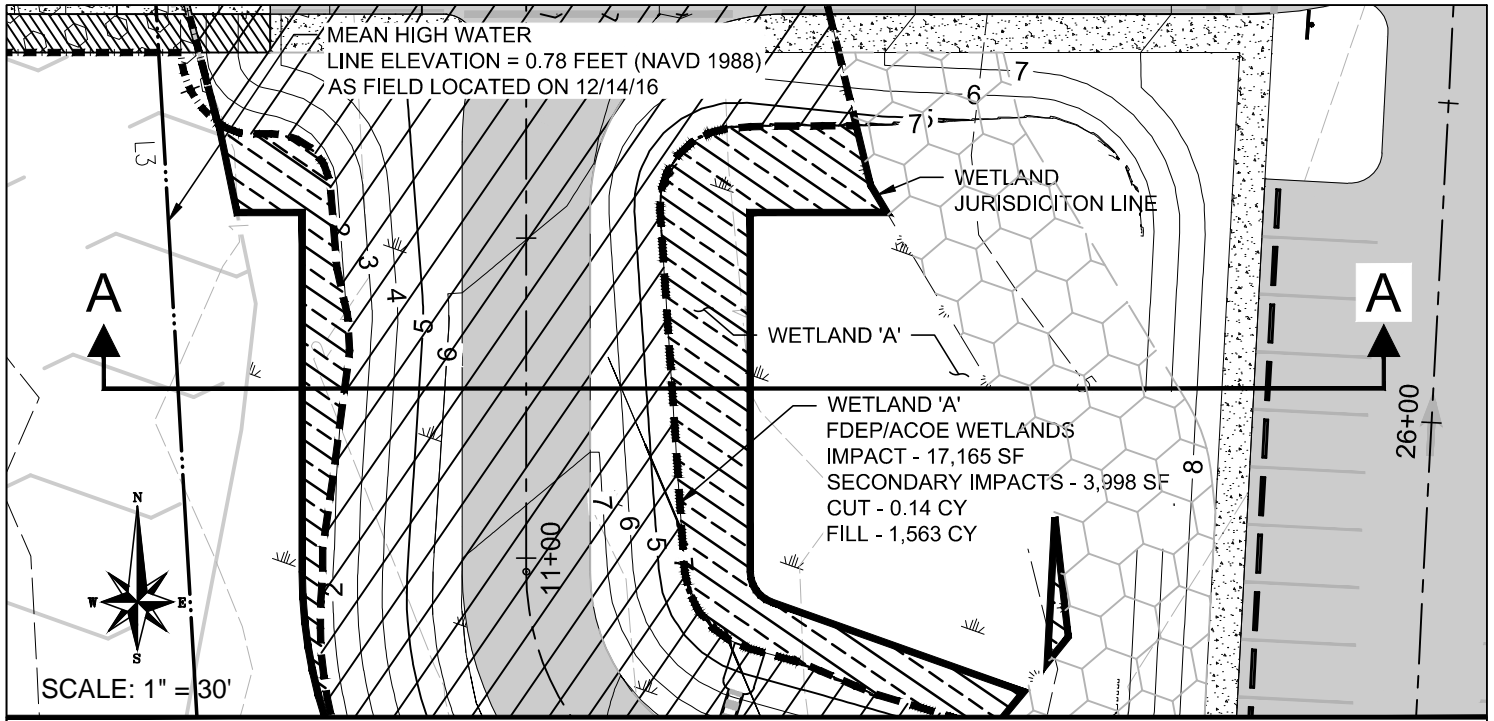
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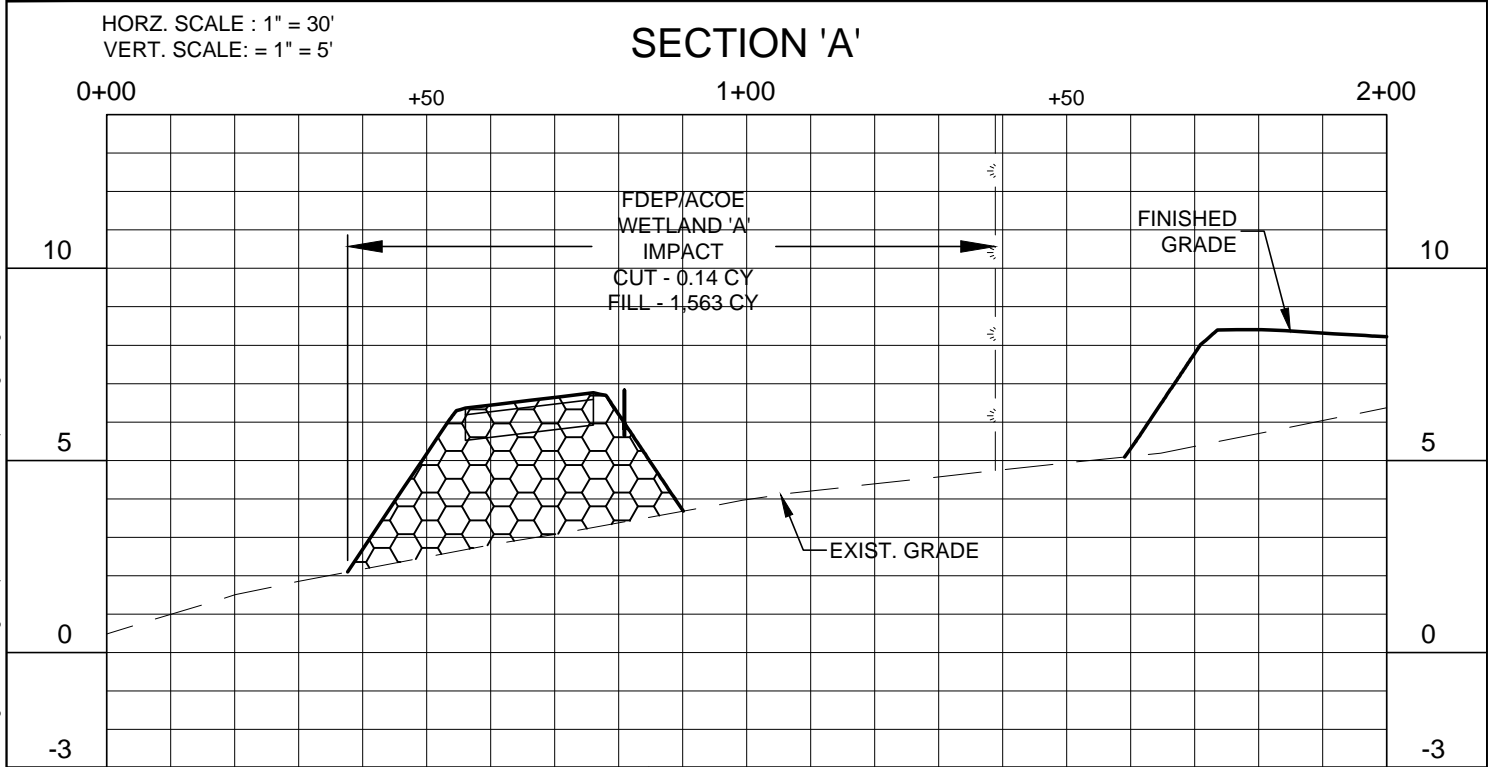
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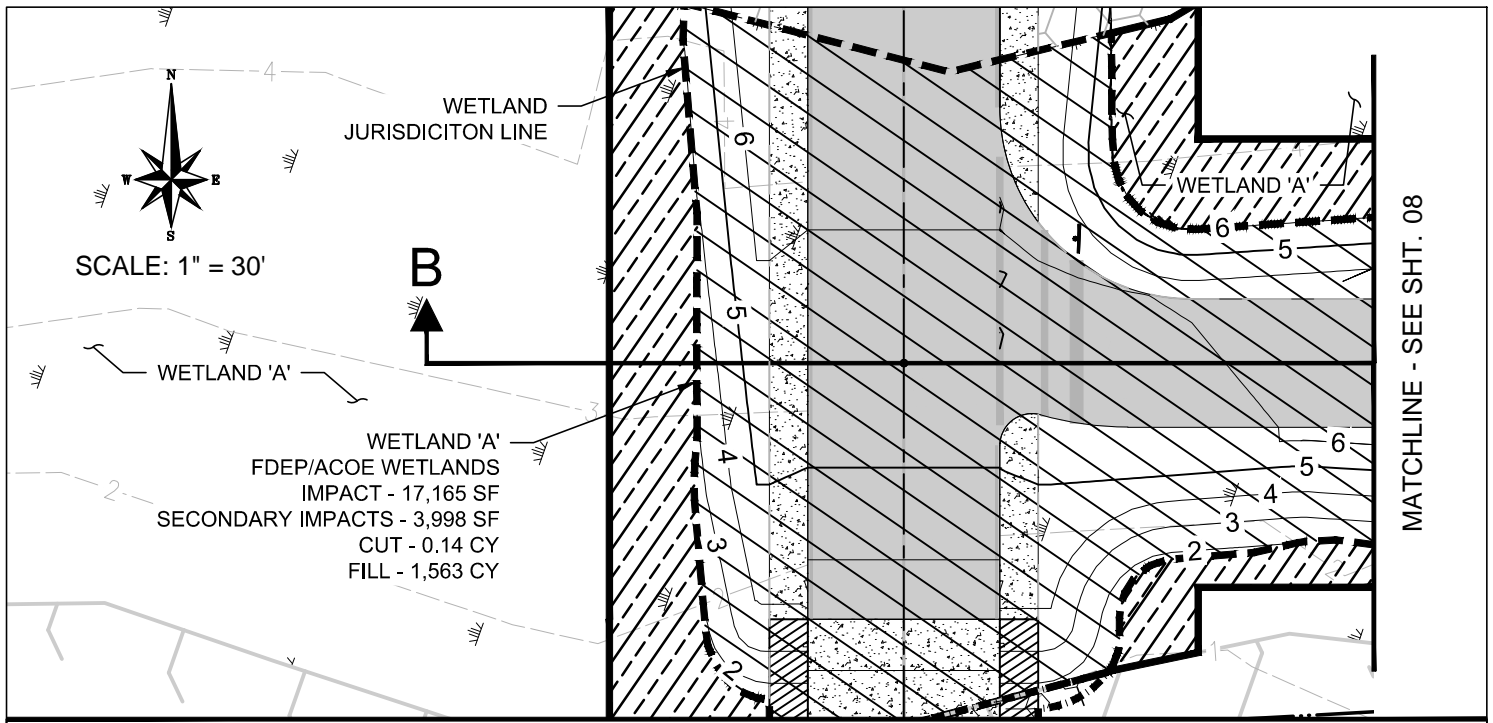
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	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		



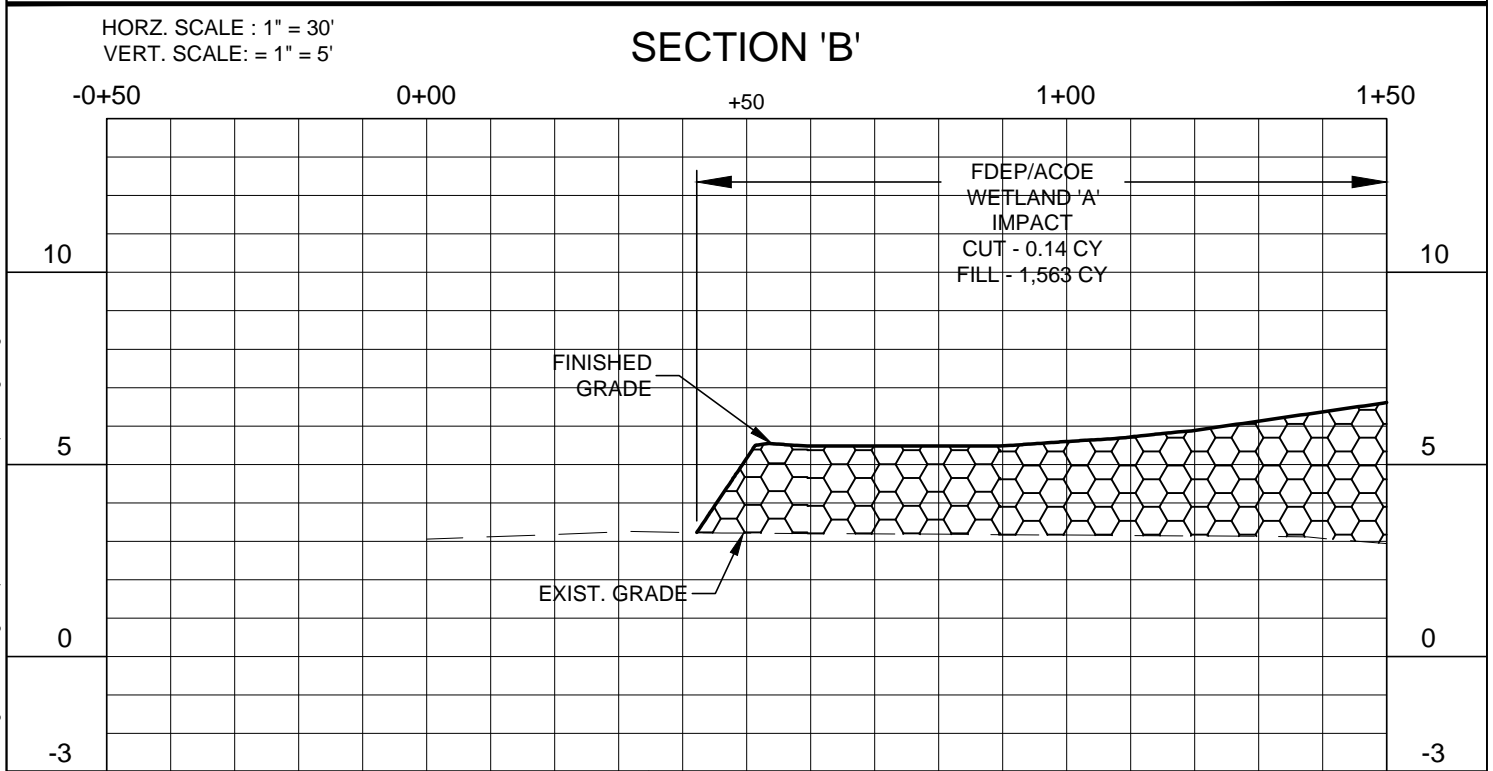
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	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		



Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp			
Date	Drawn	Checked	Approved
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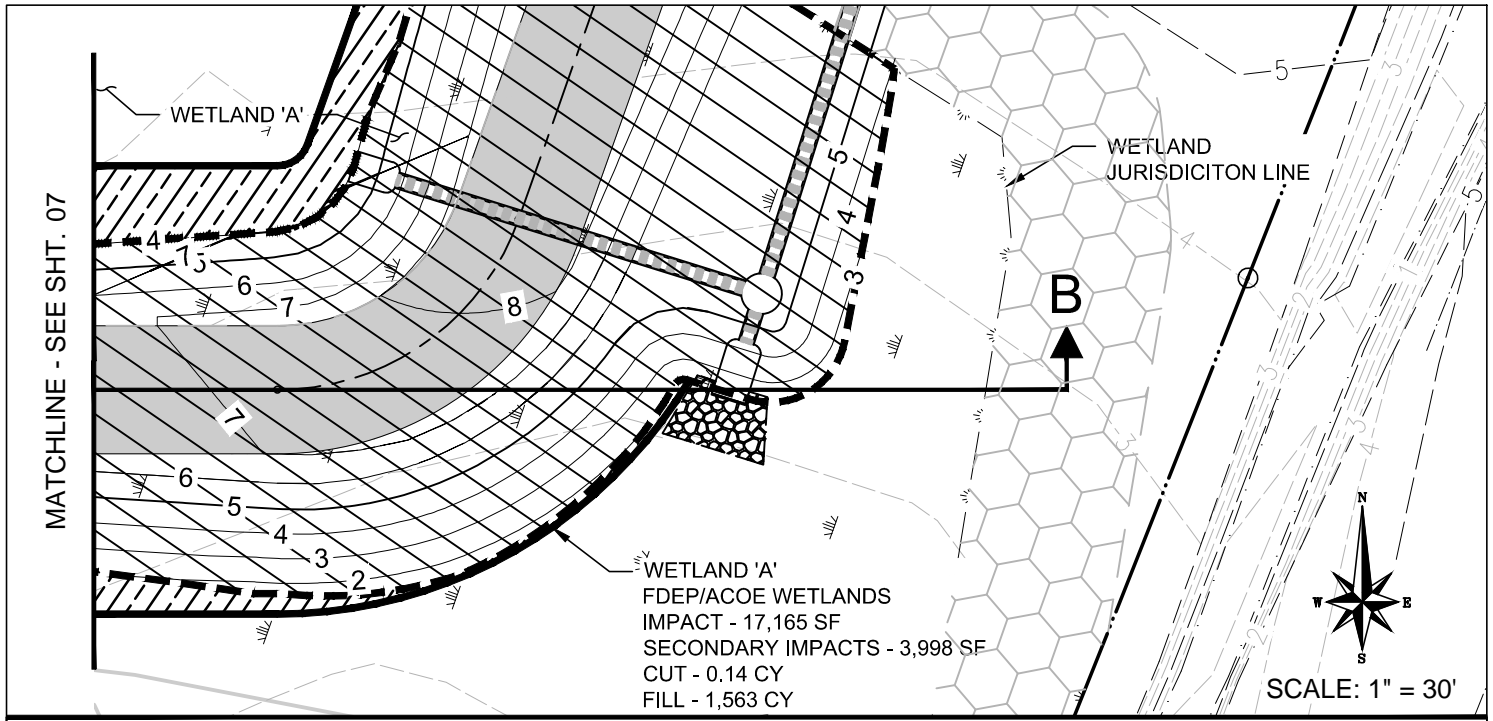
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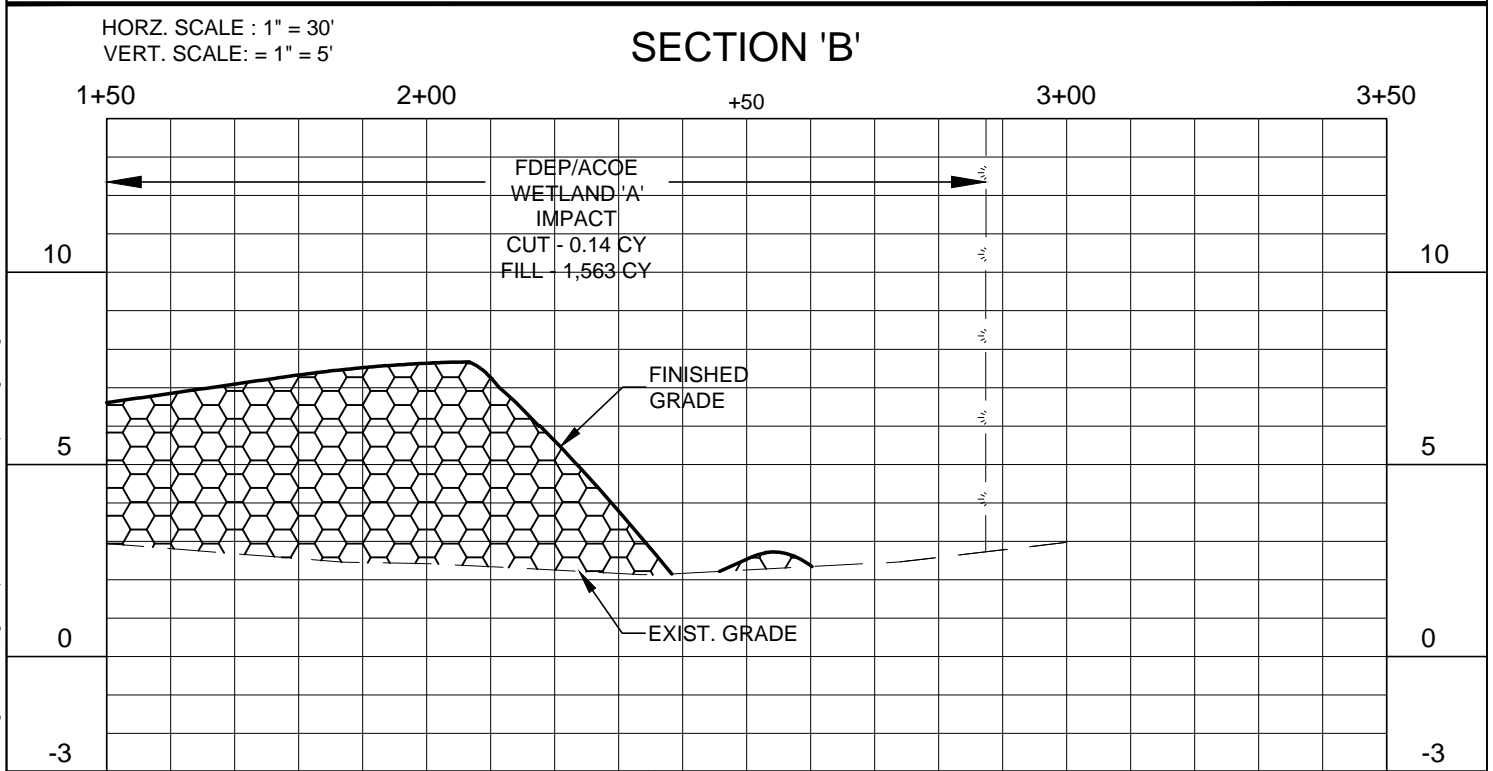
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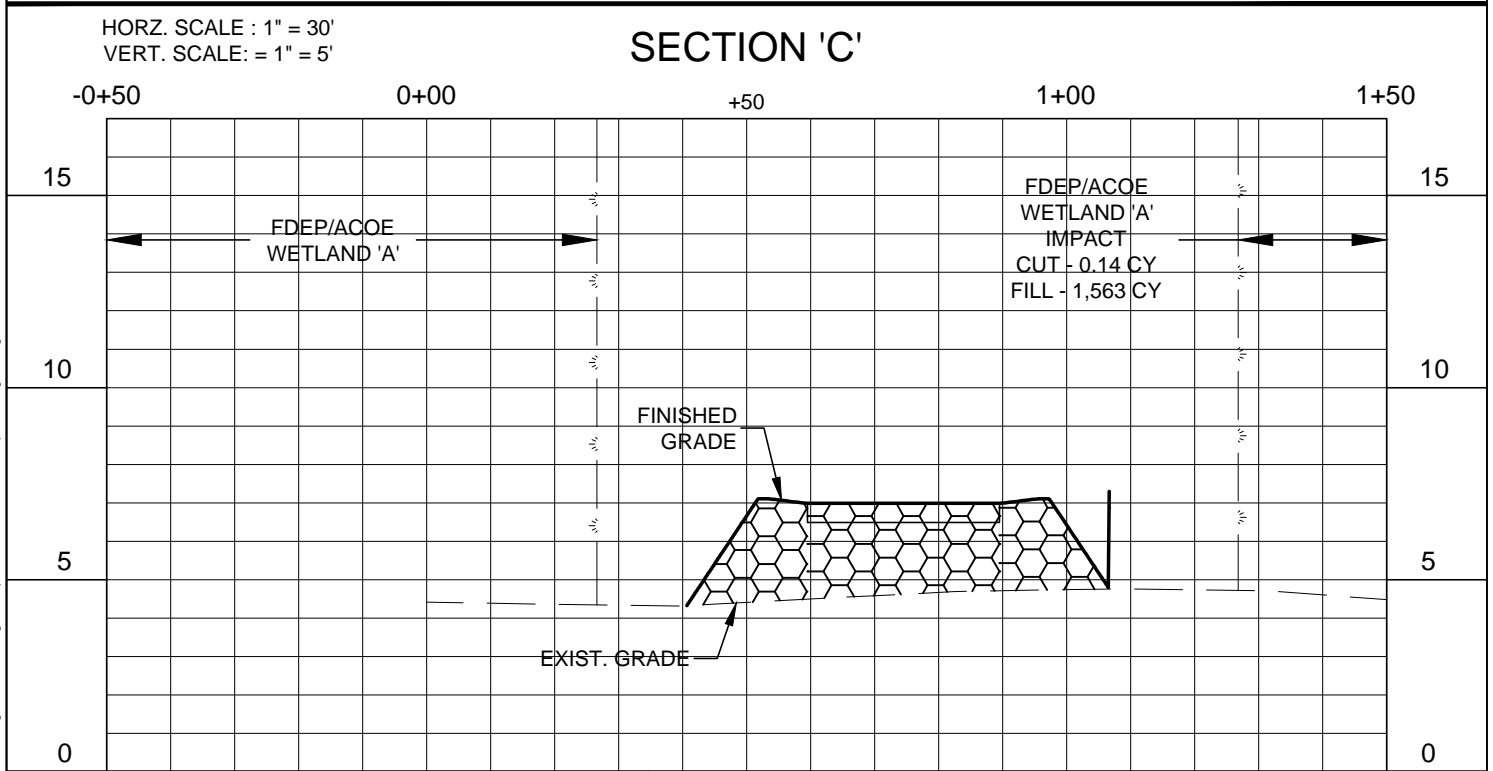
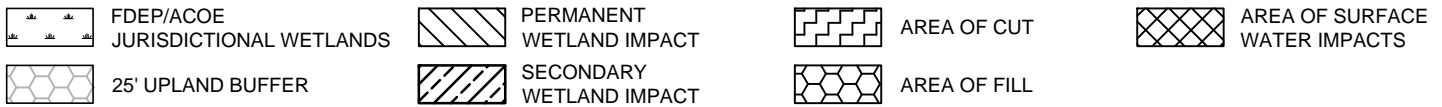
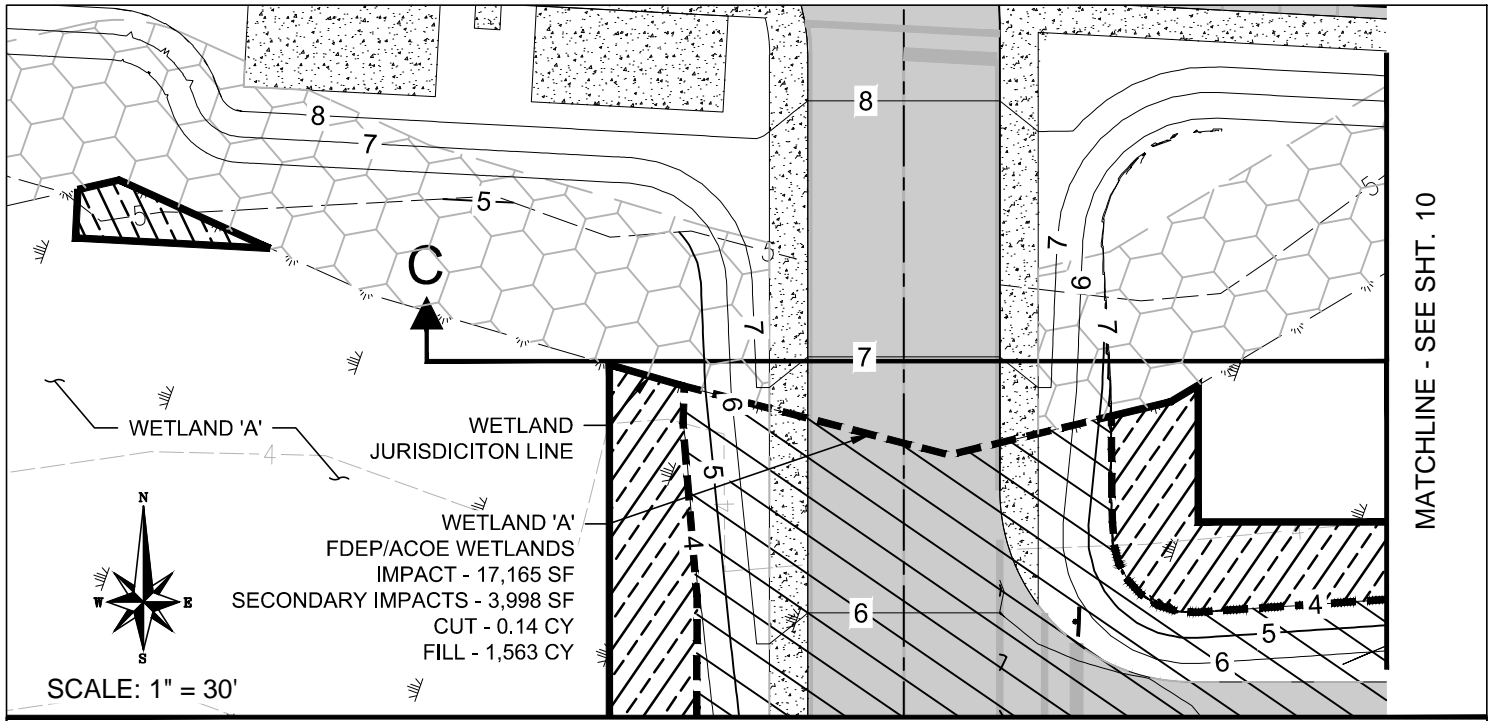
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	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		



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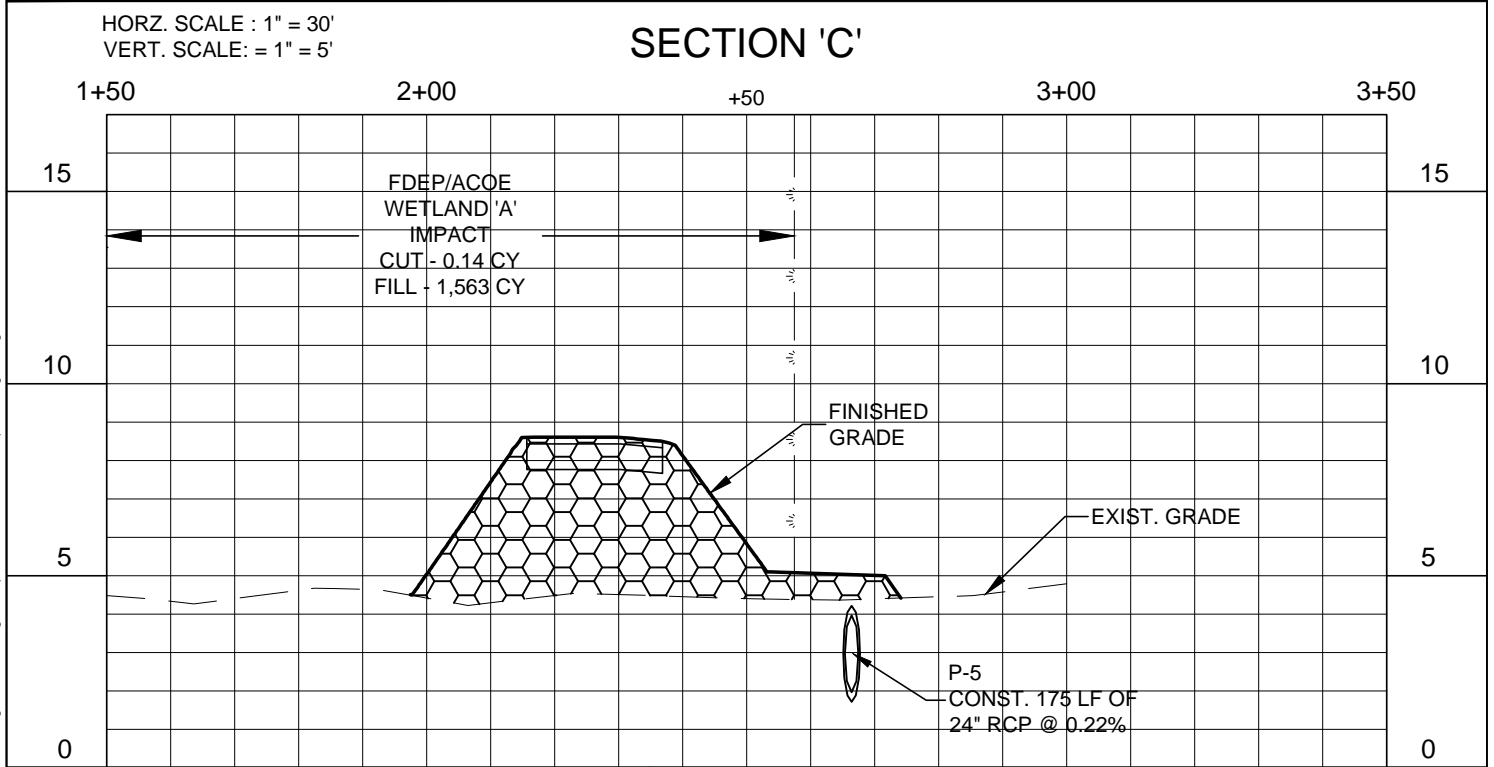
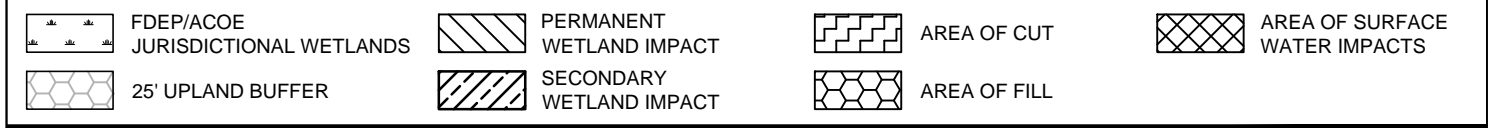
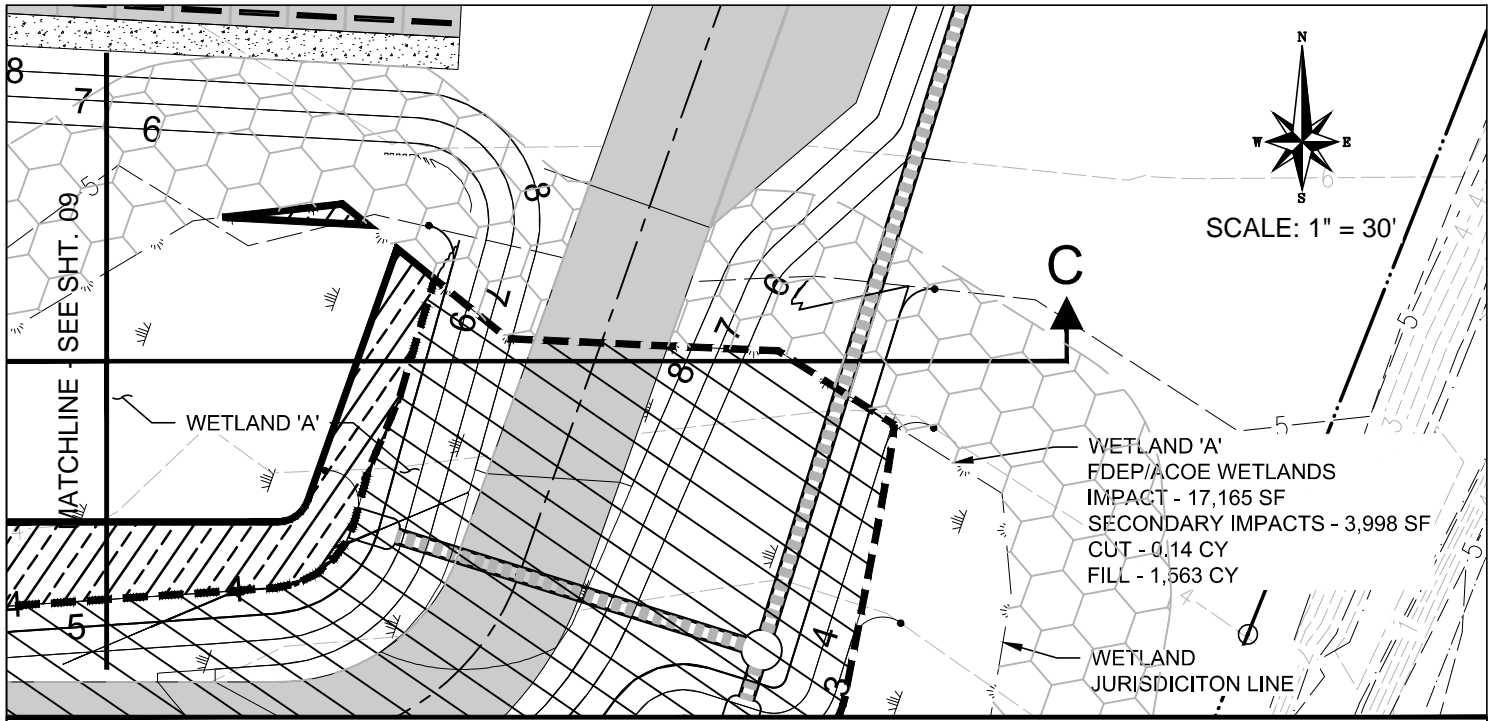
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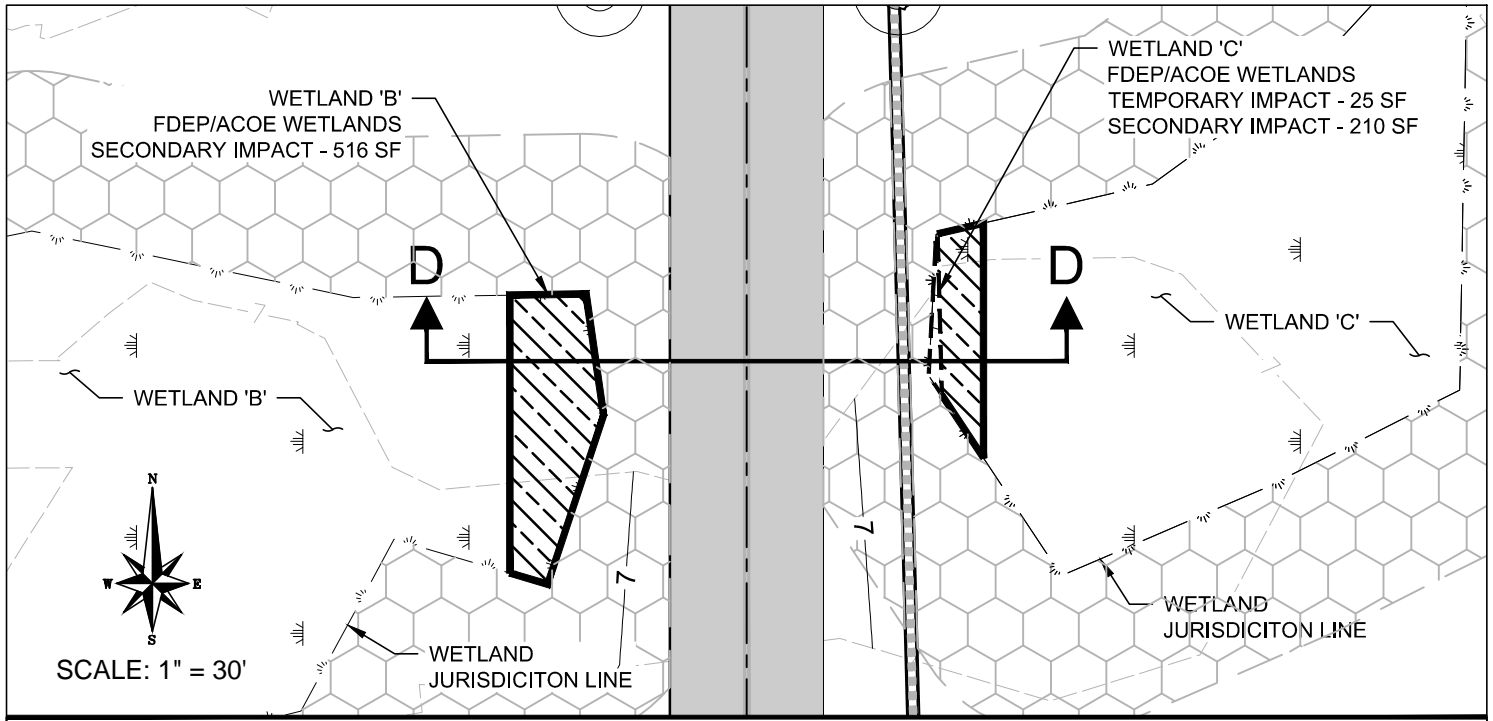
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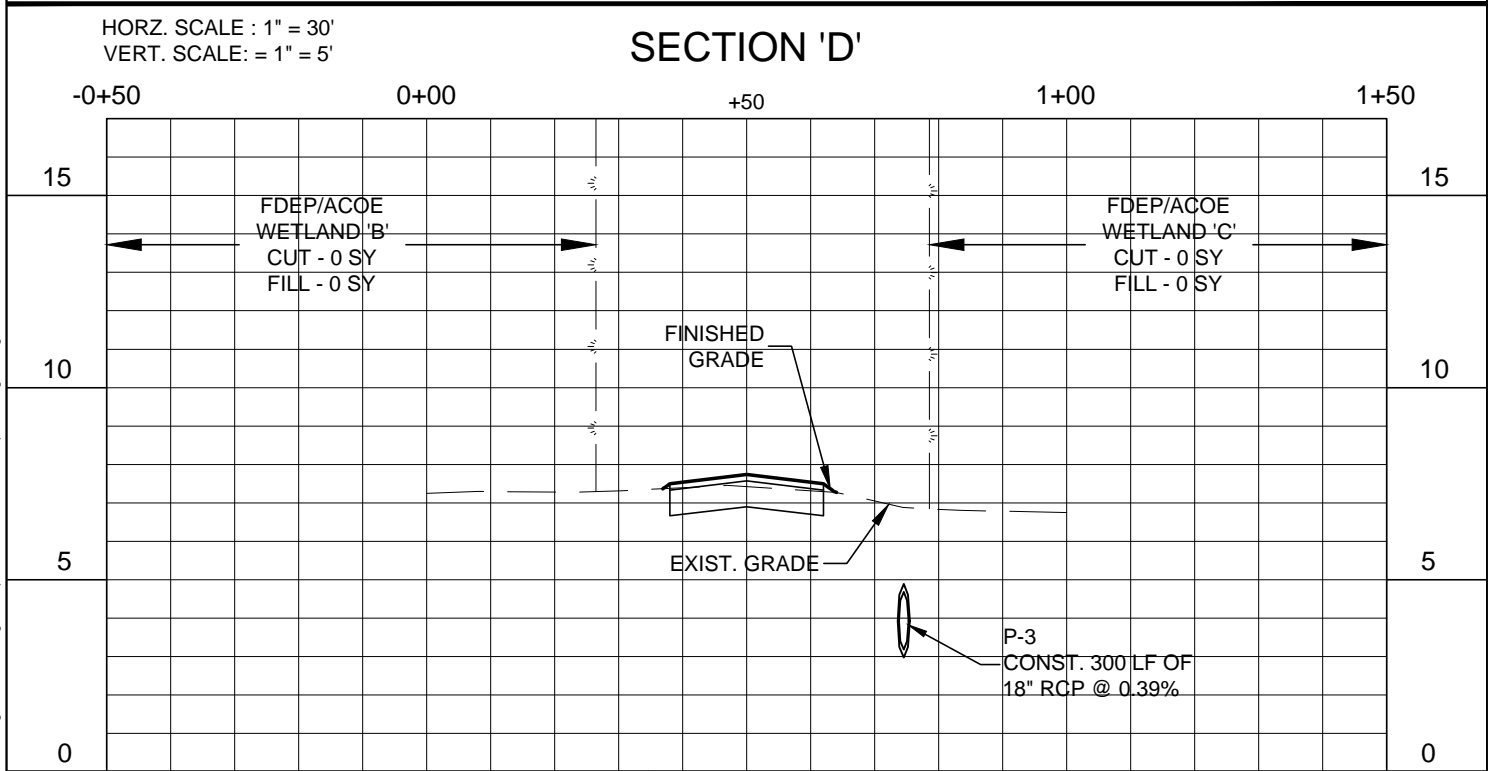
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	25' UPLAND BUFFER		SECONDARY WETLAND IMPACT		AREA OF FILL		

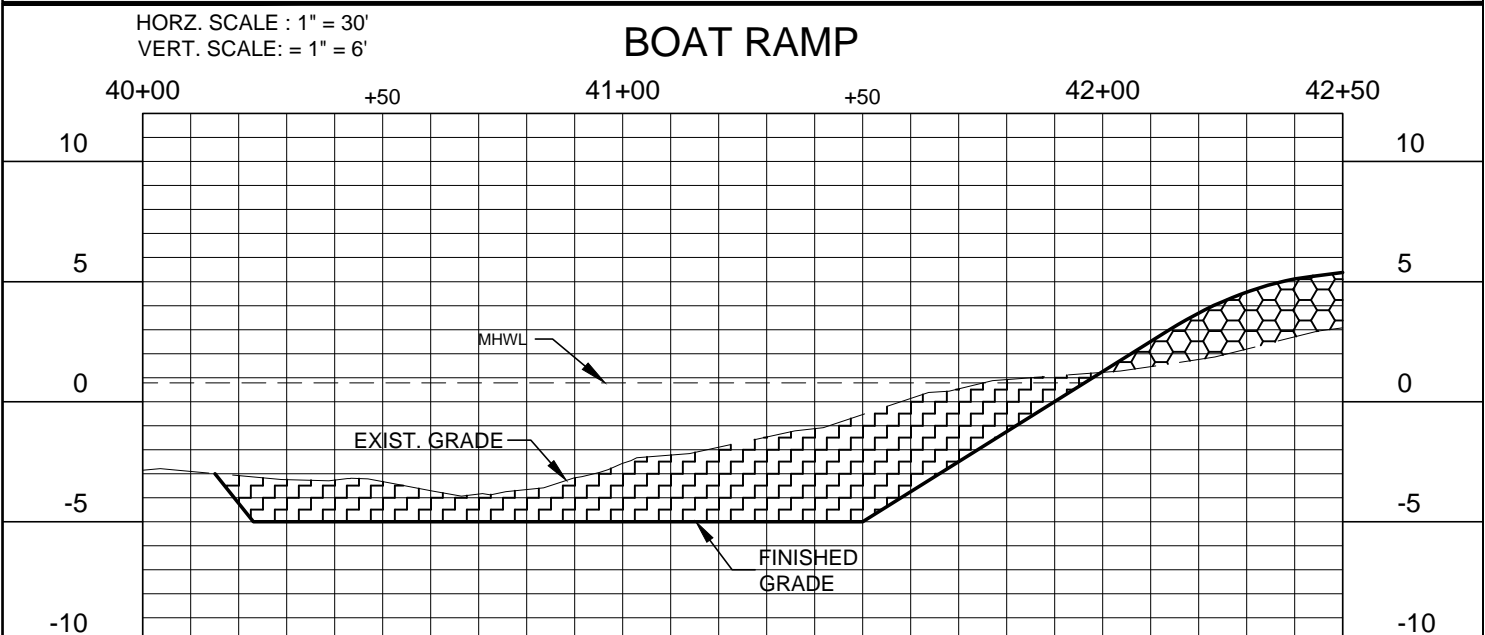
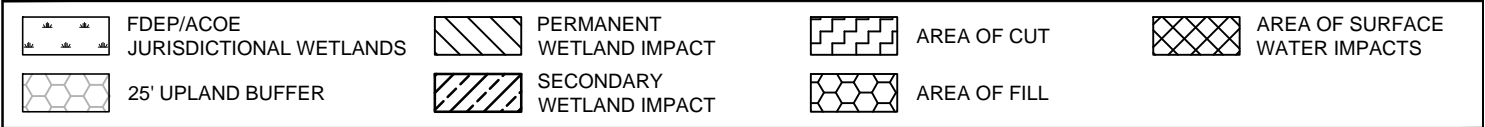
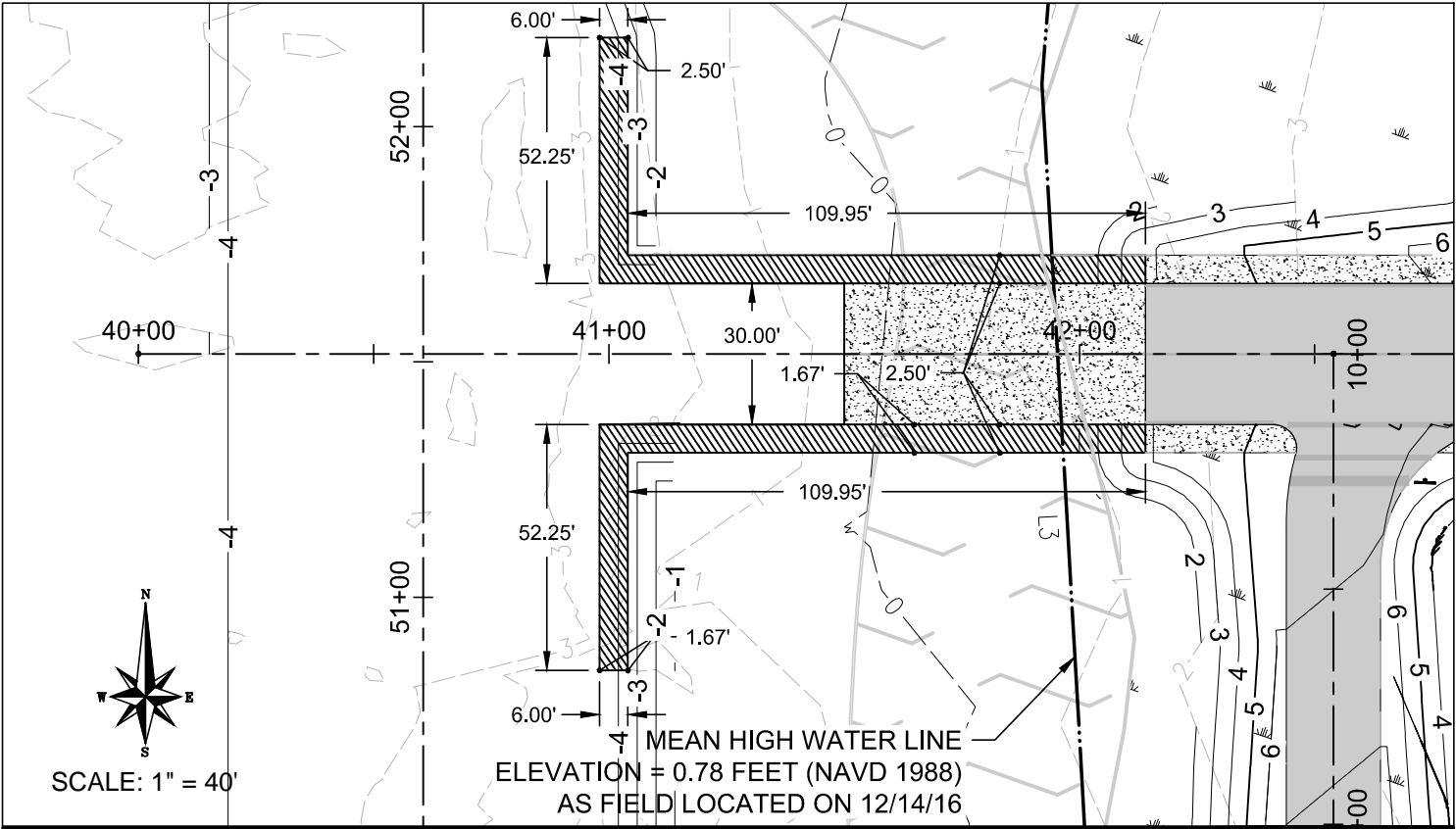


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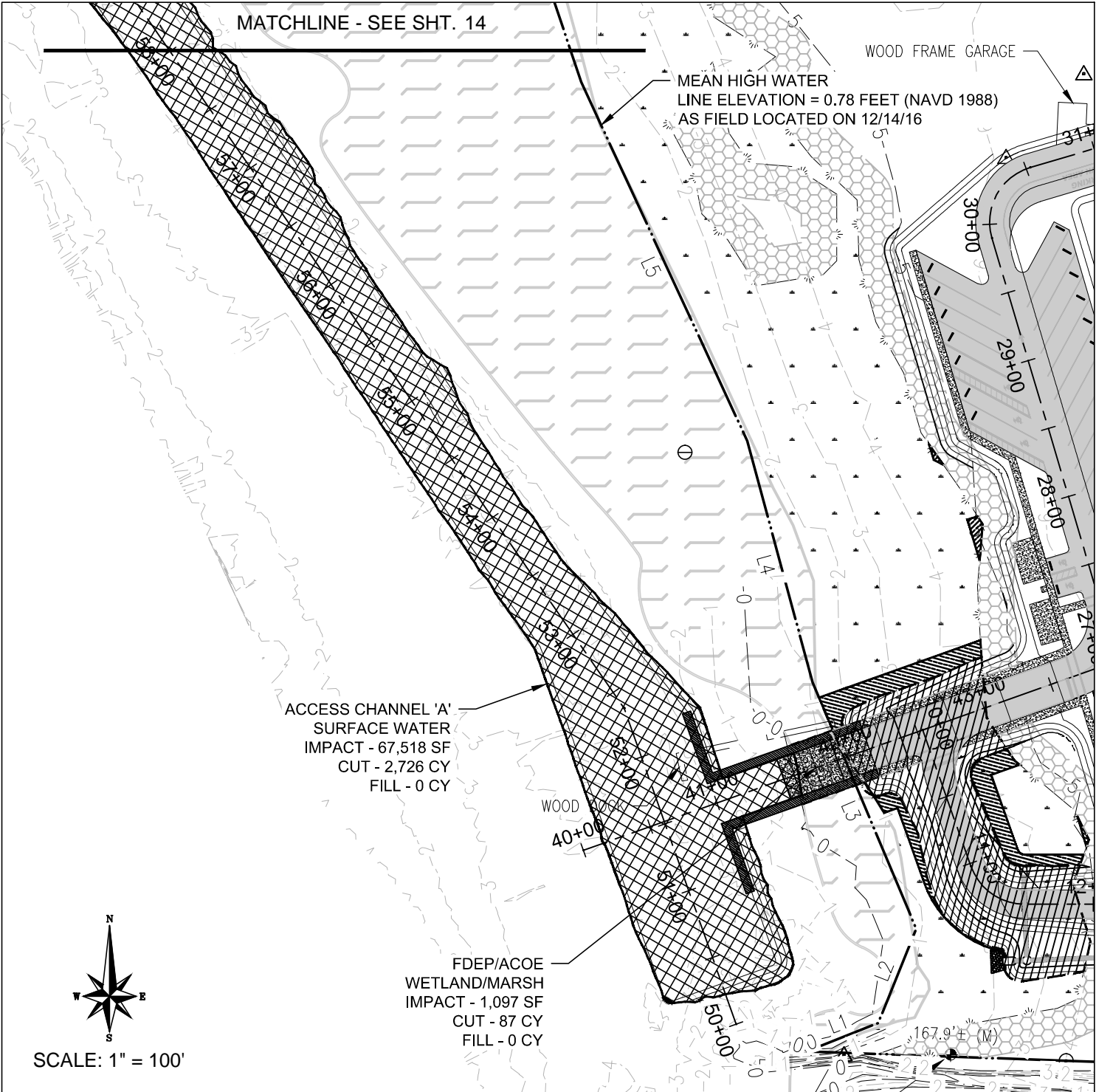
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	FDEP/ACOE JURISDICTIONAL WETLANDS		AREA OF SURFACE WATER IMPACTS
	PERMANENT WETLAND IMPACT		AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



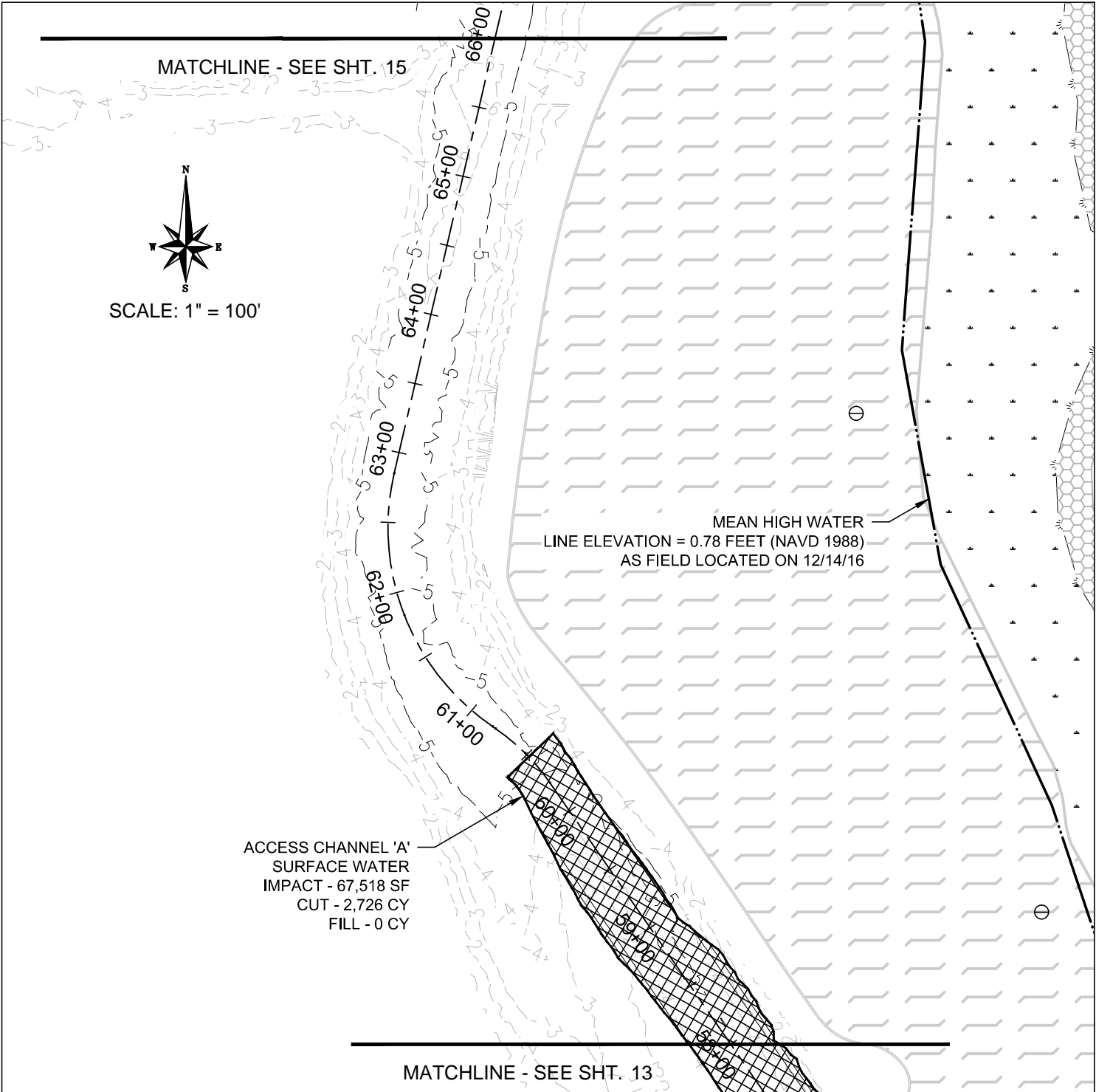
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220 West Garden Street
Suite 700
Pensacola, FL 32502
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	FDEP/ACOE JURISDICTIONAL WETLANDS		AREA OF SURFACE WATER IMPACTS
	PERMANENT WETLAND IMPACT		AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
 Escambia County
Purpose: Boat Ramp



Mott MacDonald Florida, LLC.
 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
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MATCHLINE - SEE SHT. 16



SCALE: 1" = 100'

ACCESS CHANNEL 'B'
 SURFACE WATER
 IMPACT - 72,266 SF
 CUT - 5,065 CY
 FILL - 0 CY

MEAN HIGH WATER LINE
 ELEVATION = 0.78 FEET (NAVD 1988)
 AS FIELD LOCATED ON 12/14/16

MATCHLINE - SEE SHT. 14

- FDEP/ACOE JURISDICTIONAL WETLANDS
- AREA OF SURFACE WATER IMPACTS
- PERMANENT WETLAND IMPACT
- AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
 Escambia County
Purpose: Boat Ramp



Mott MacDonald Florida, LLC.
 220 West Garden Street
 Suite 700
 Pensacola, FL 32502
 United States of America
 T +1 (850) 484 6011
 www.mottmac.com/americas

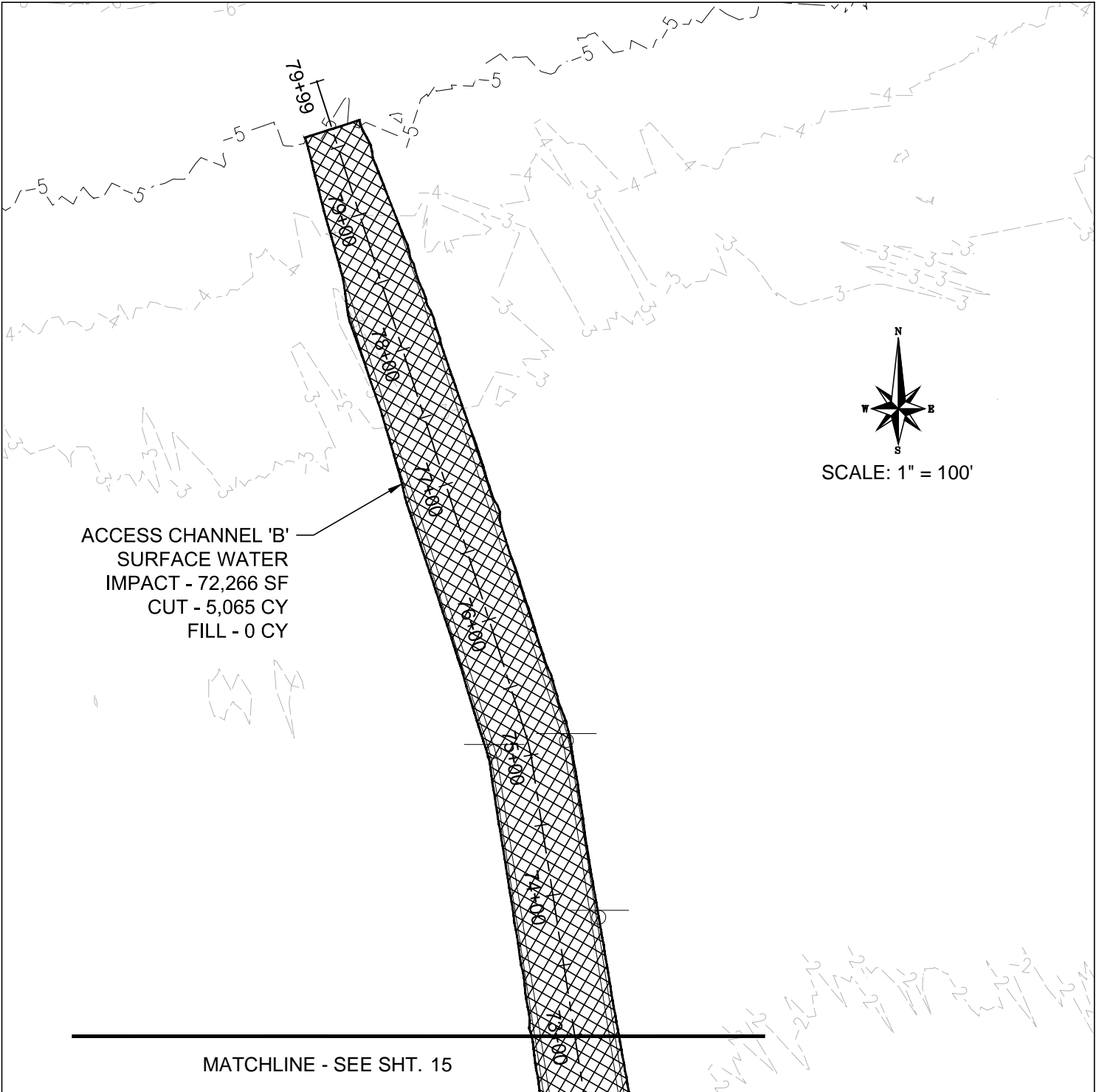
Architects Engineers Surveyors
 AA - C0000035 EB - 0000155 LB - 0006783

Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	1:100	15 - Access Channel Impacts		

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
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ACCESS CHANNEL 'B'
 SURFACE WATER
 IMPACT - 72,266 SF
 CUT - 5,065 CY
 FILL - 0 CY

N
 W E
 S
 SCALE: 1" = 100'

MATCHLINE - SEE SHT. 15

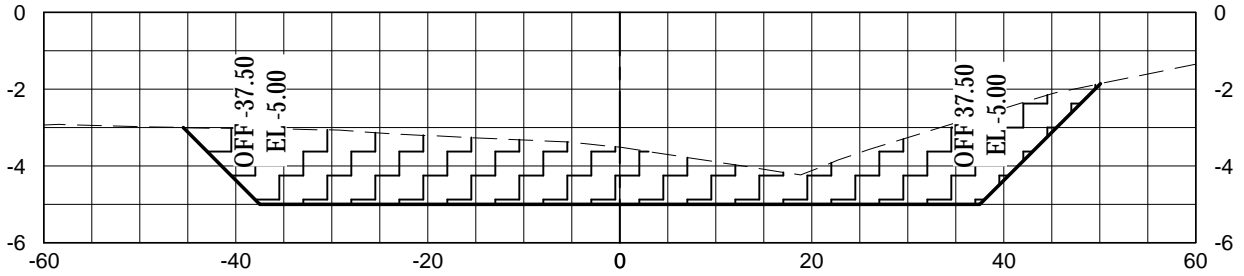
-  FDEP/ACOE JURISDICTIONAL WETLANDS
-  PERMANENT WETLAND IMPACT
-  AREA OF SURFACE WATER IMPACTS
-  AREA OF WETLAND MARSH IMPACTS

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp			 MOTT MACDONALD		Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783		
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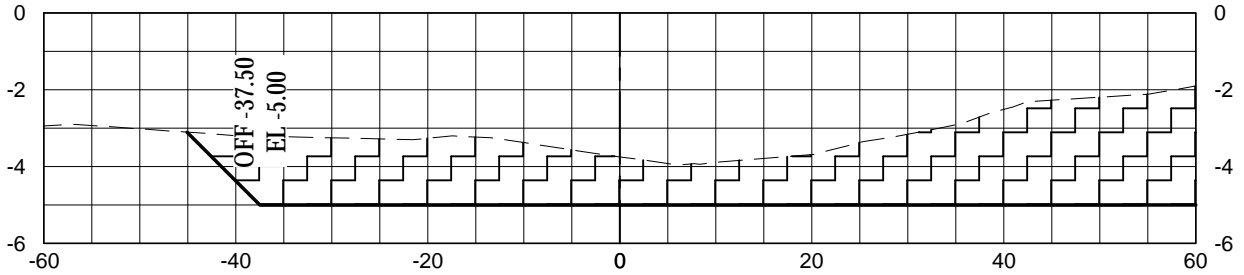
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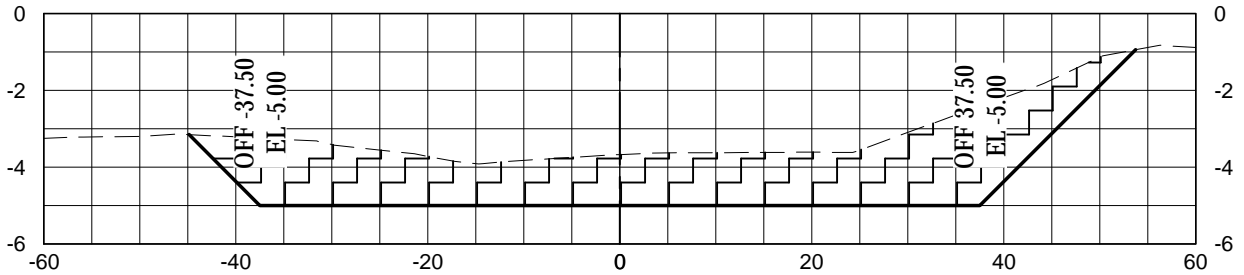
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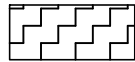
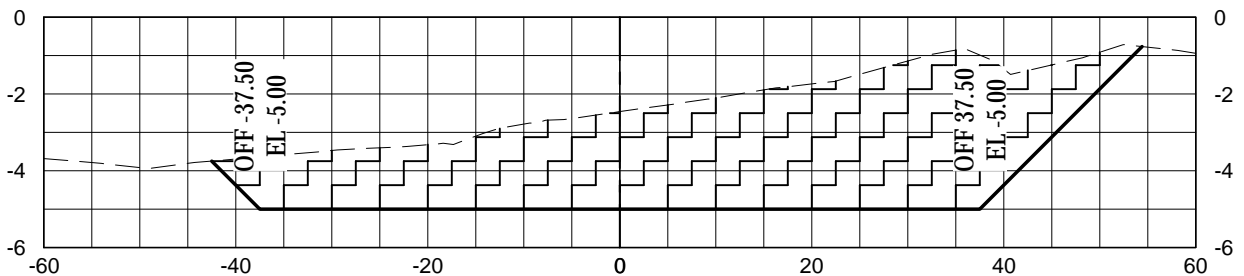
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STA: 51+00



STA: 50+50



AREA OF CUT

--- EXIST. GRADE

— FINISHED GRADE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
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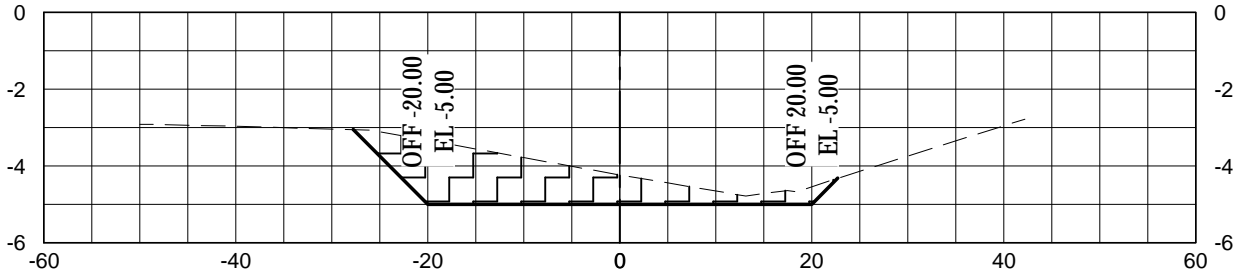
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	17 - Access Channel Sections		

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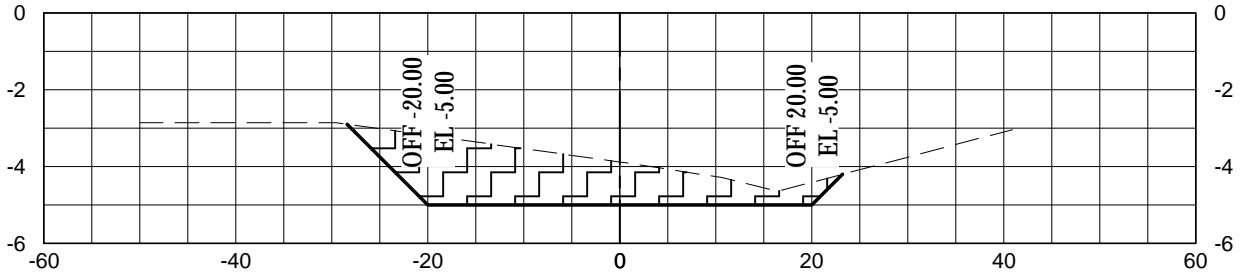
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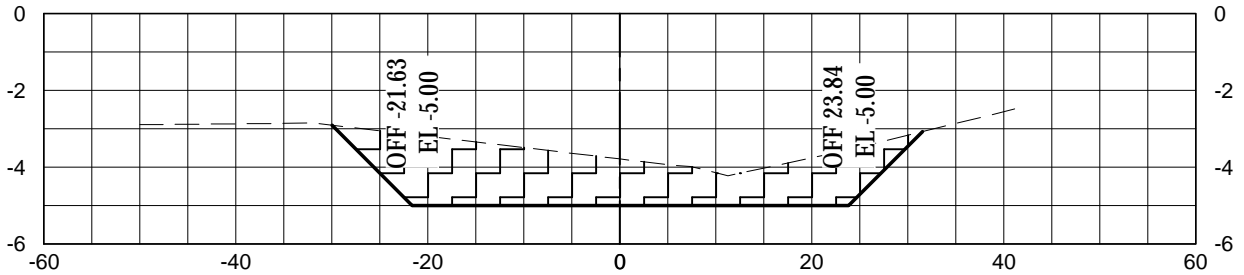
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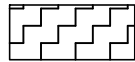
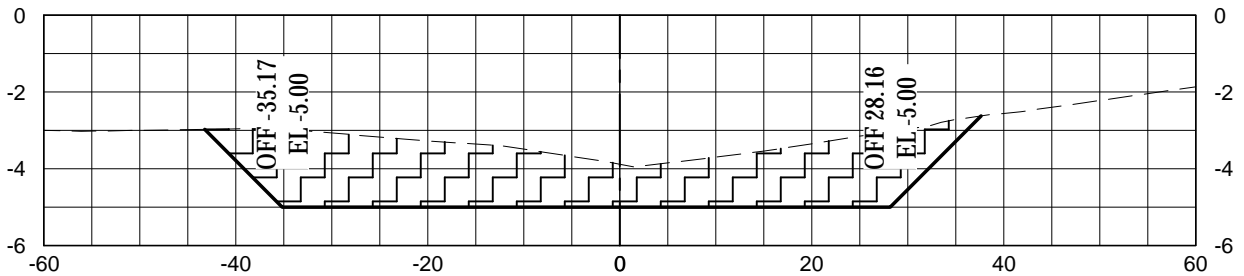
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STA: 52+50



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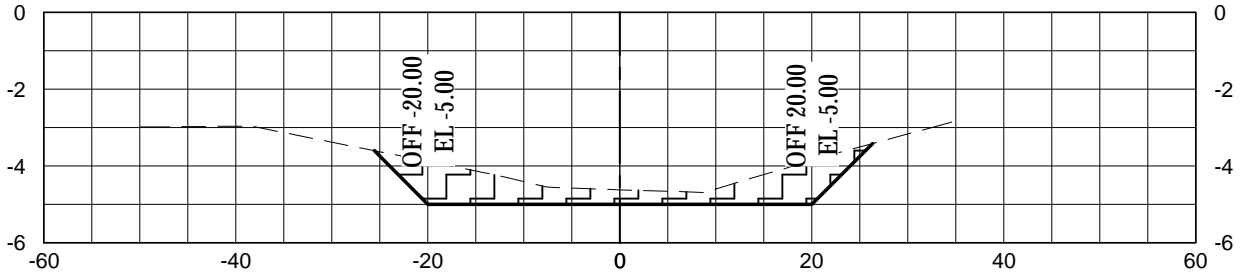
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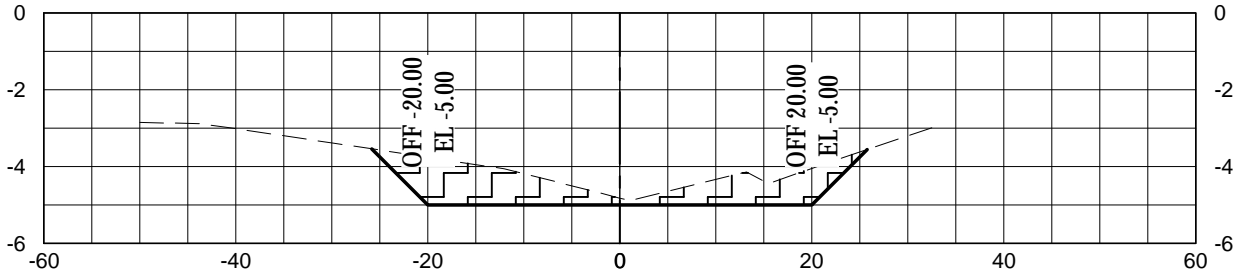
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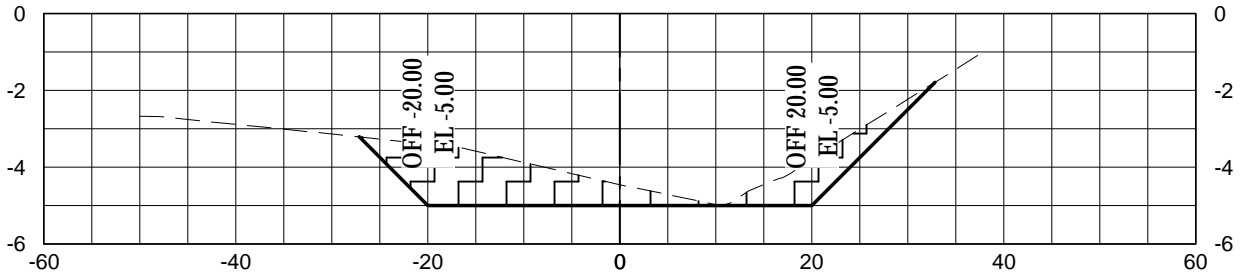
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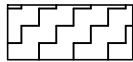
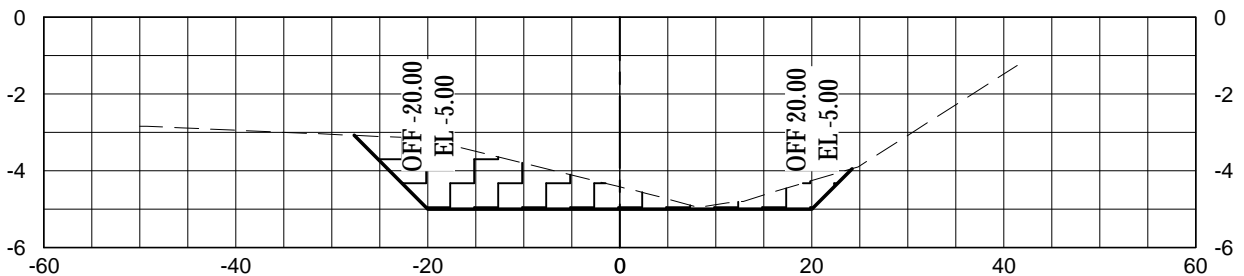
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STA: 55+00



STA: 54+50



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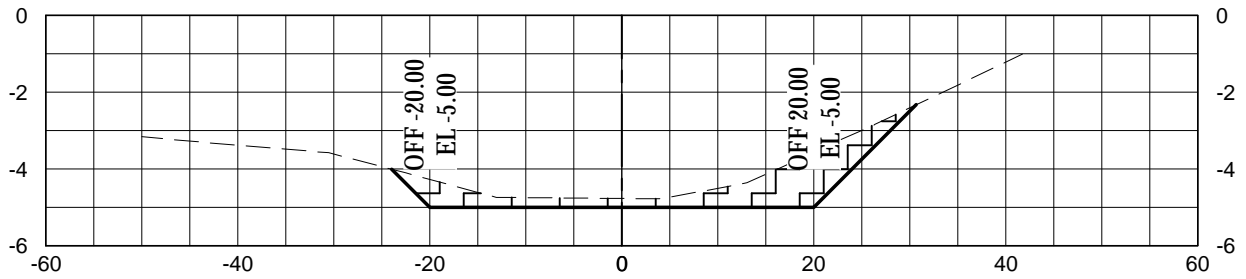
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	19 - Access Channel Sections		

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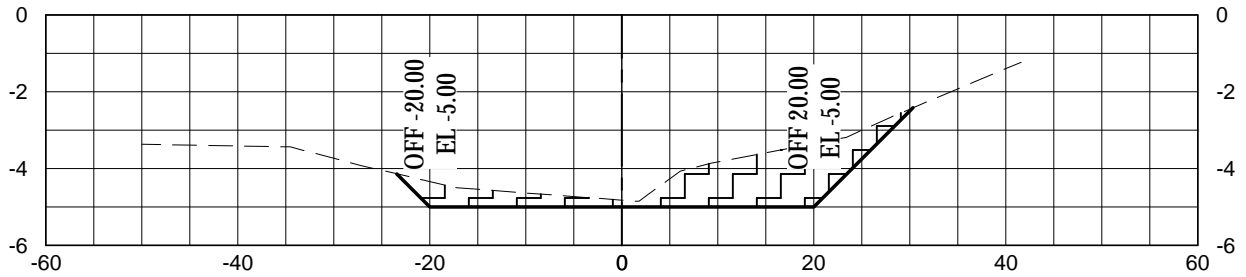
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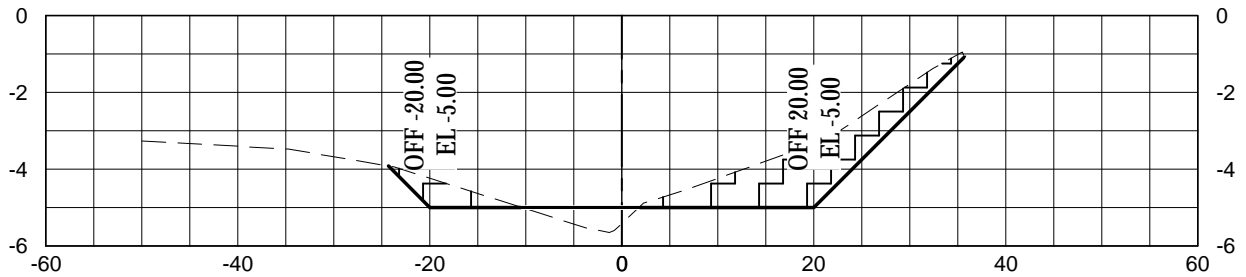
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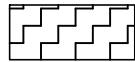
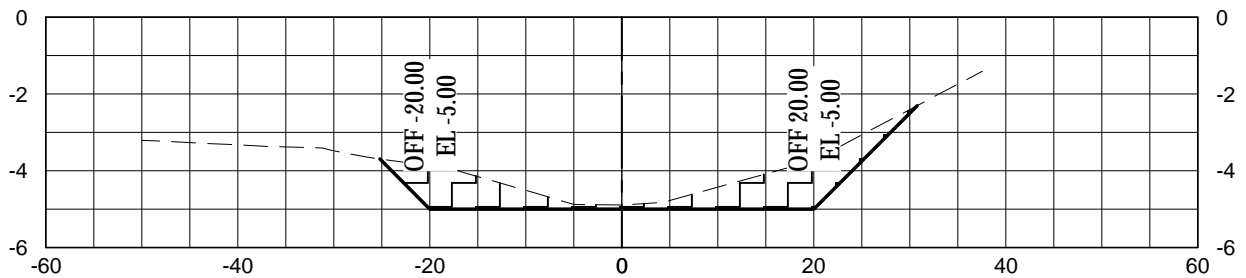
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STA: 57+00



STA: 56+50



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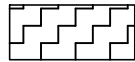
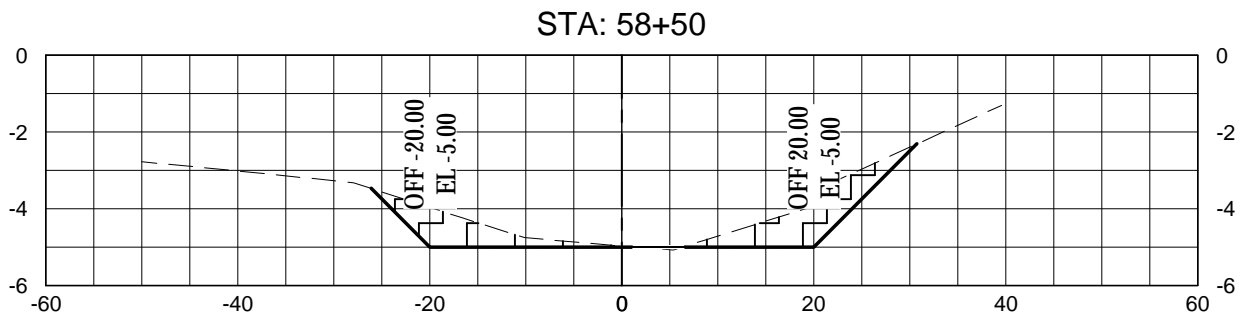
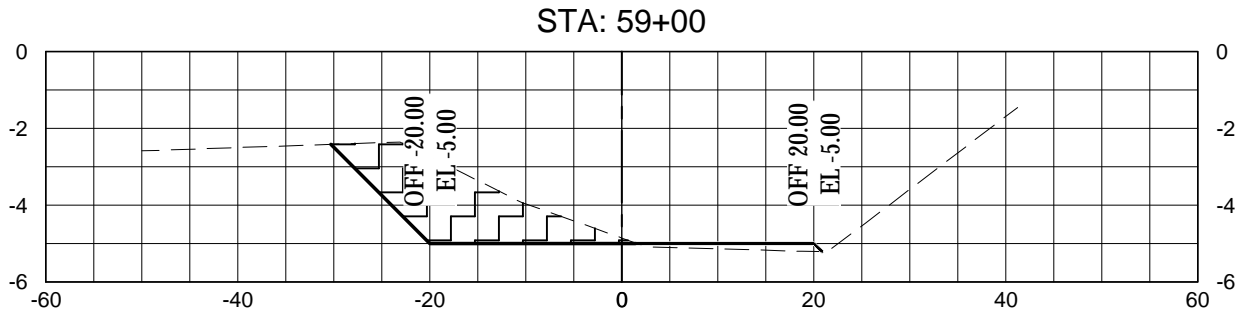
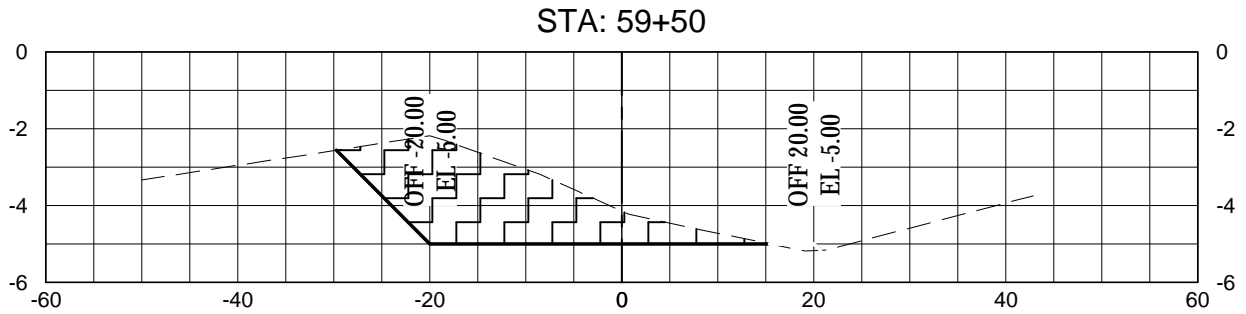
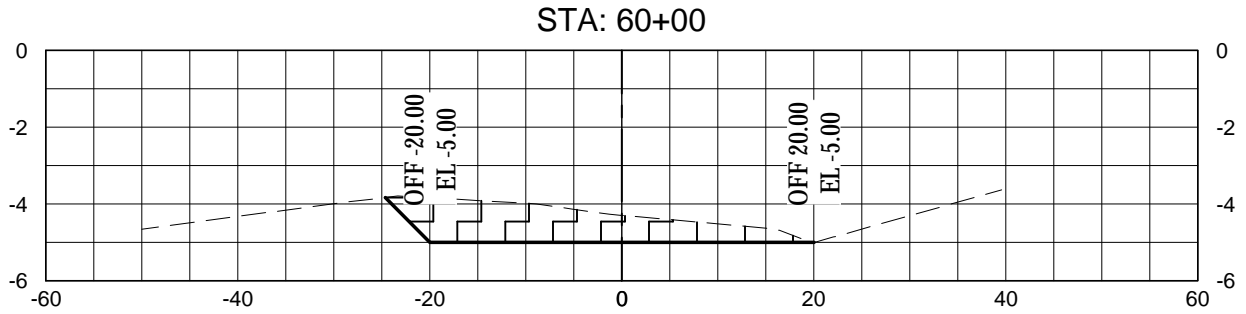
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 Suite 700
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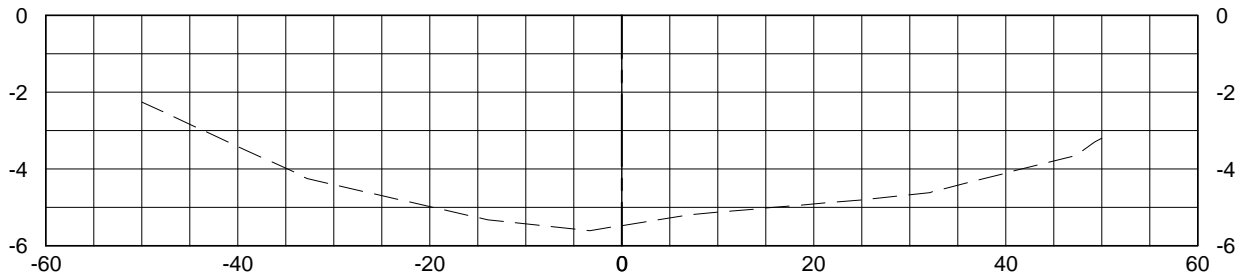
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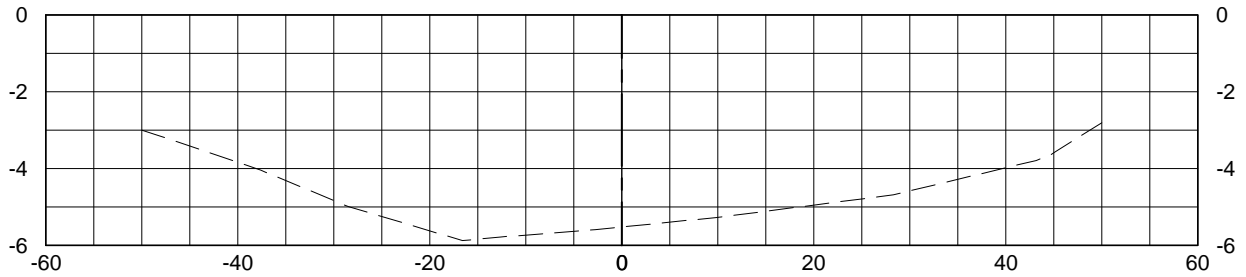
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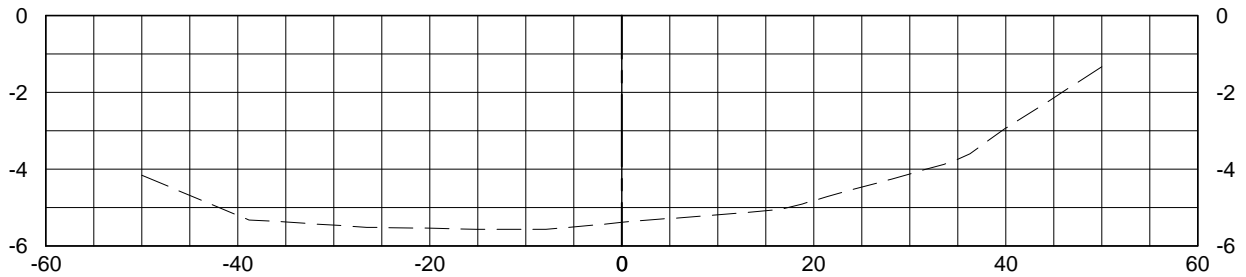
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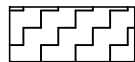
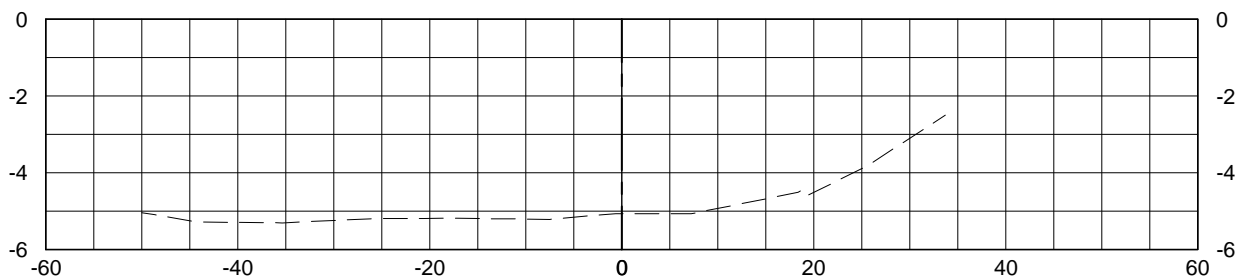
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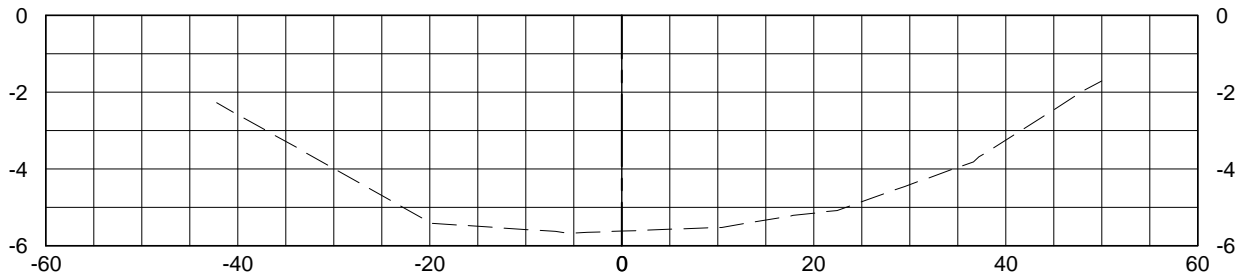
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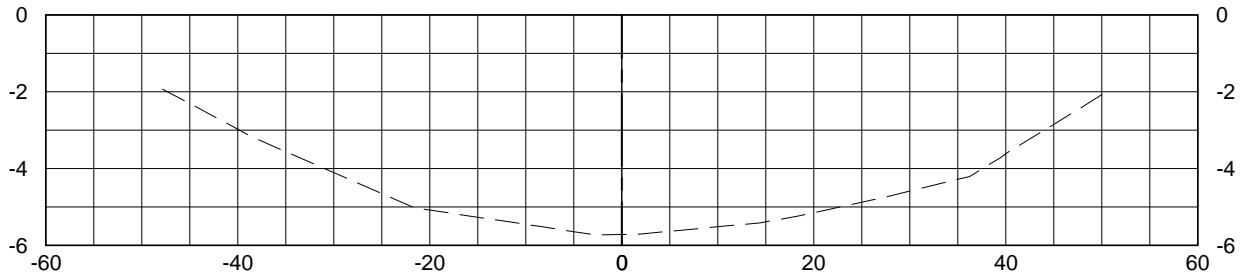
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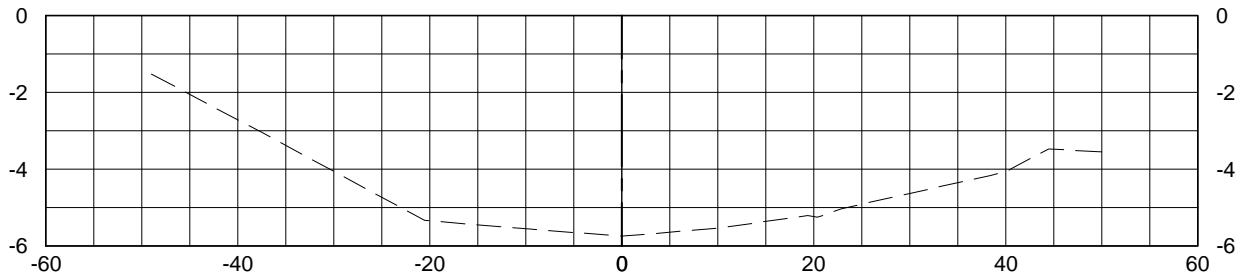
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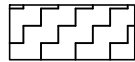
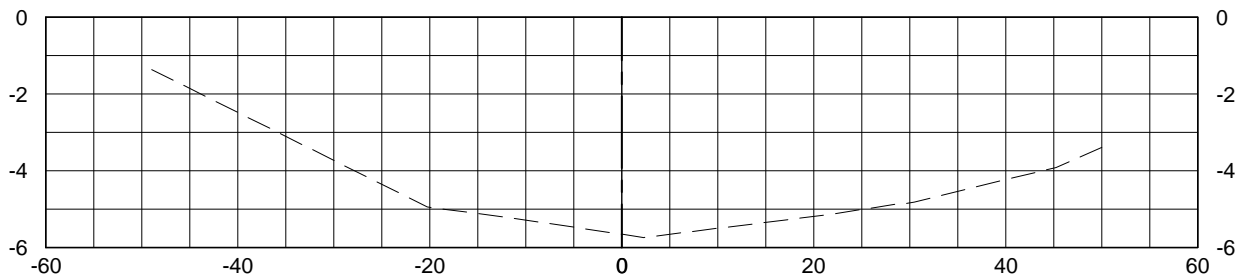
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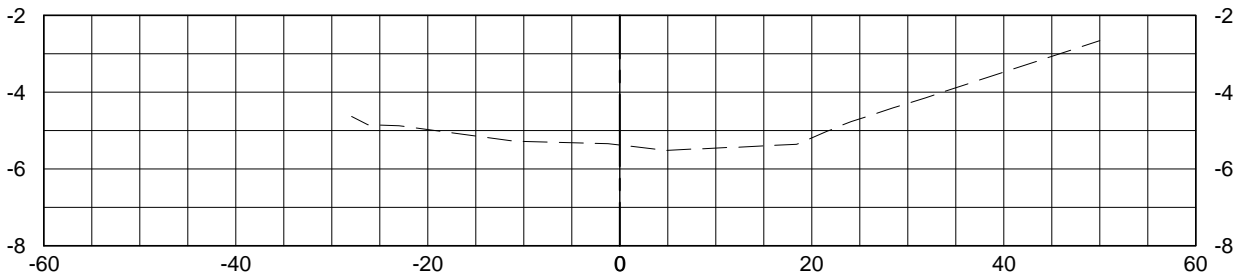
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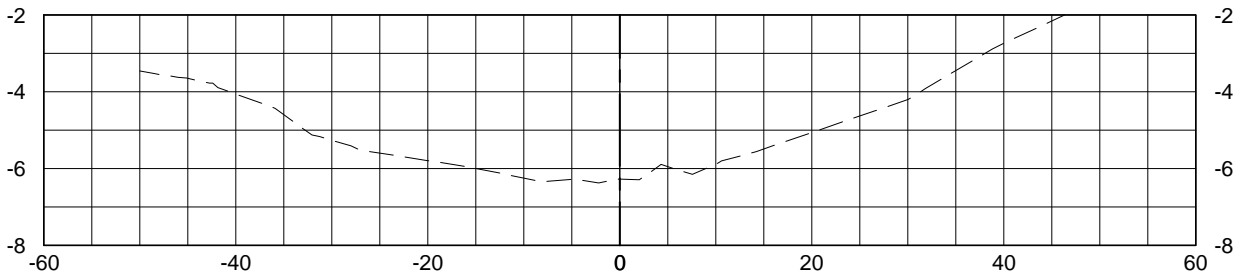
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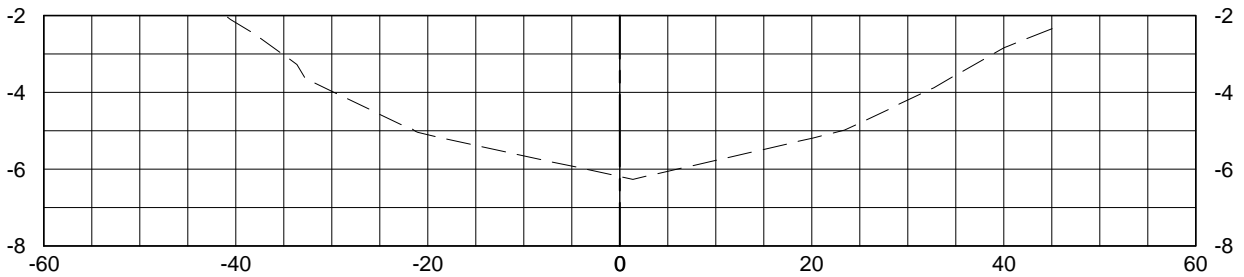
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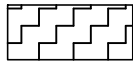
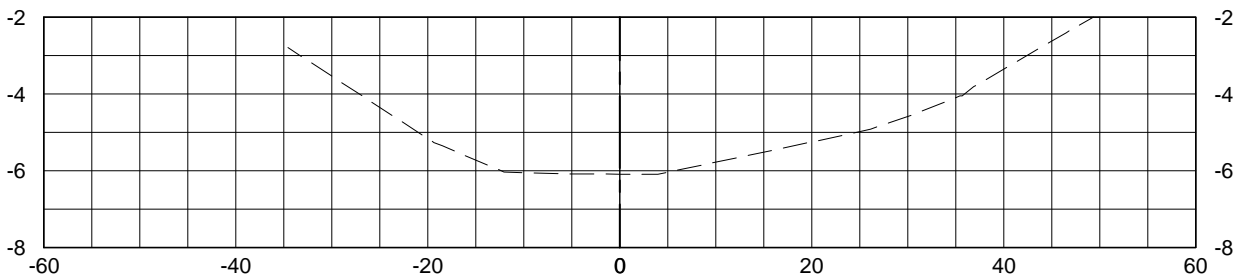
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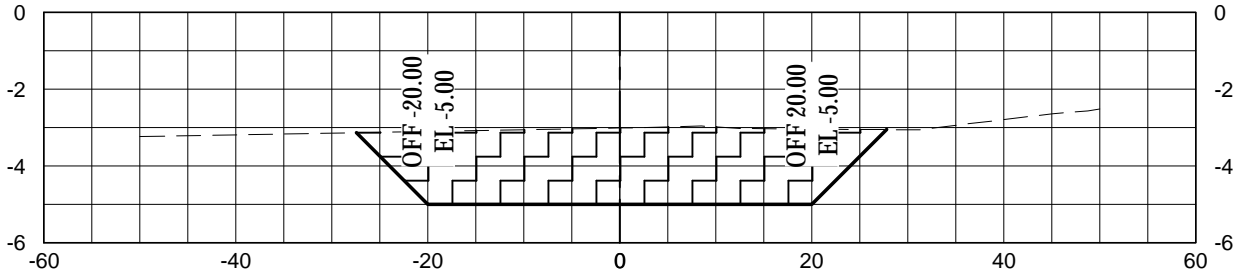
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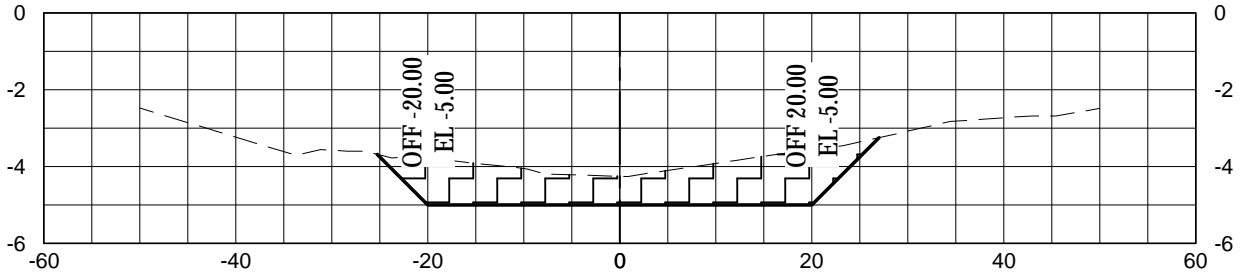
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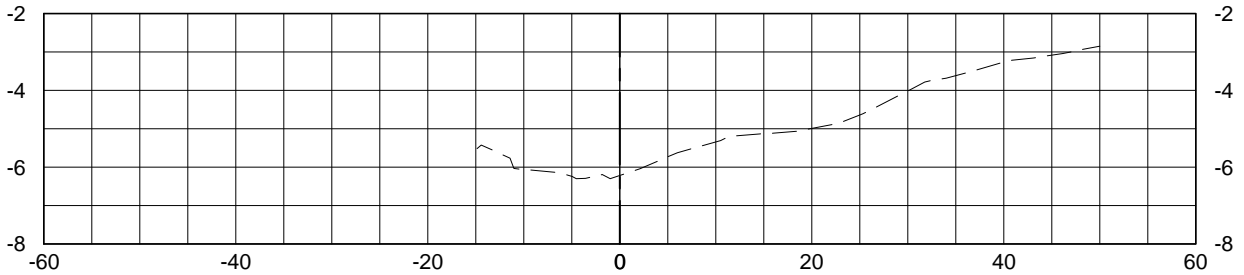
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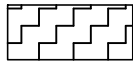
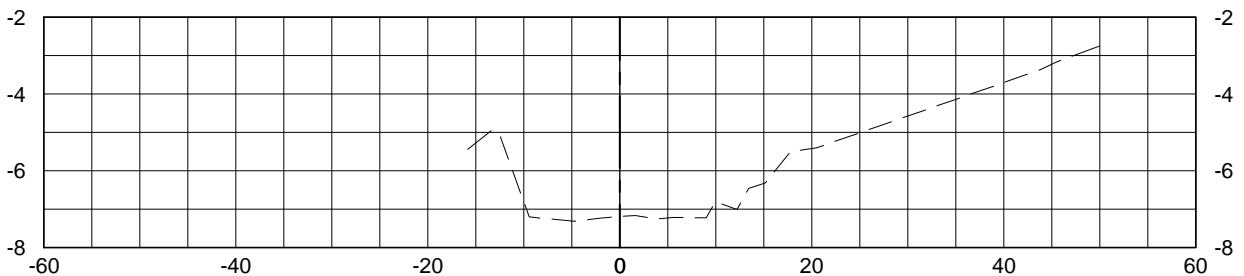
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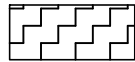
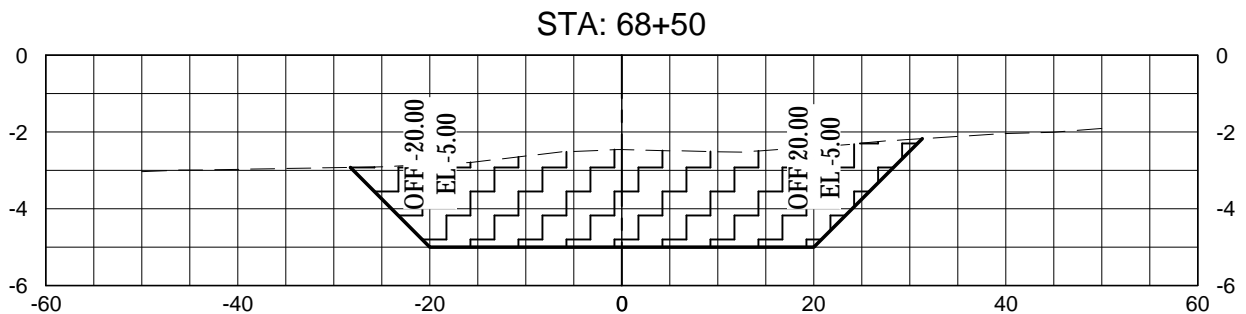
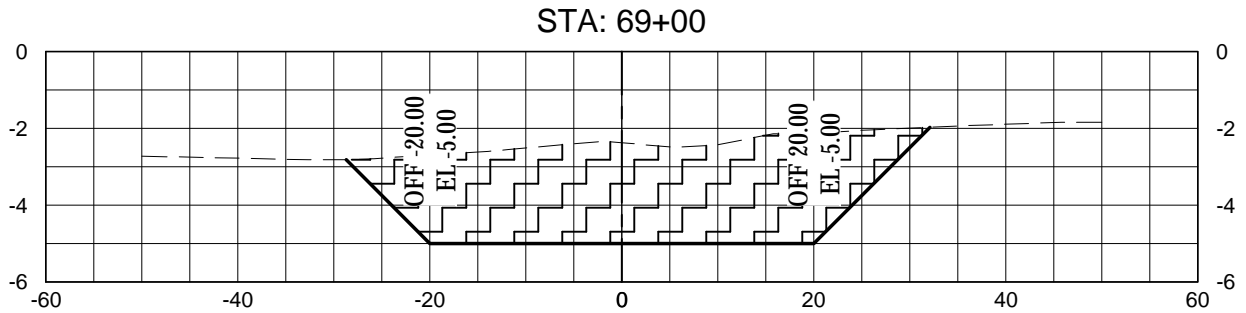
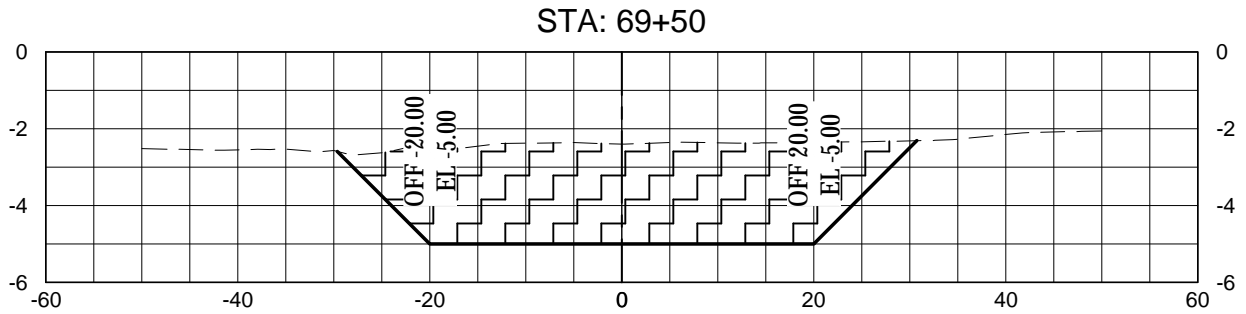
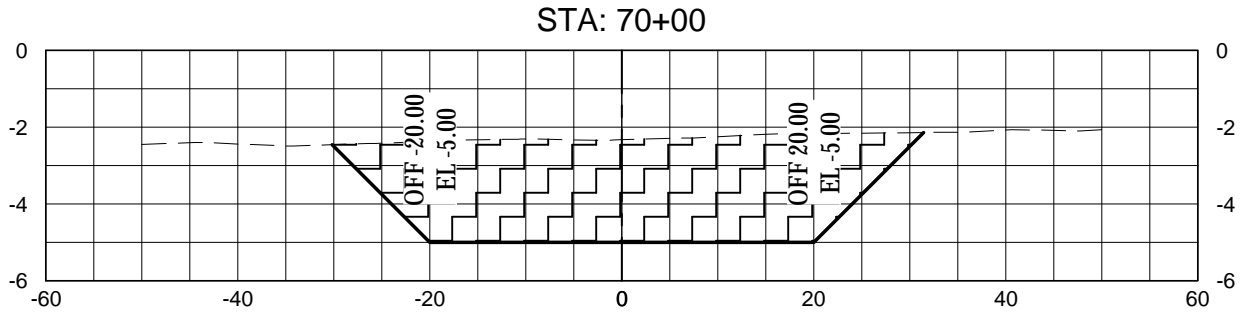
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	25 - Access Channel Sections		

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AREA OF CUT

--- EXIST. GRADE

— FINISHED GRADE

Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
 Escambia County
Purpose: Boat Ramp



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 Suite 700
 Pensacola, FL 32502
 United States of America
 T +1 (850) 484 6011
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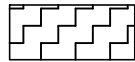
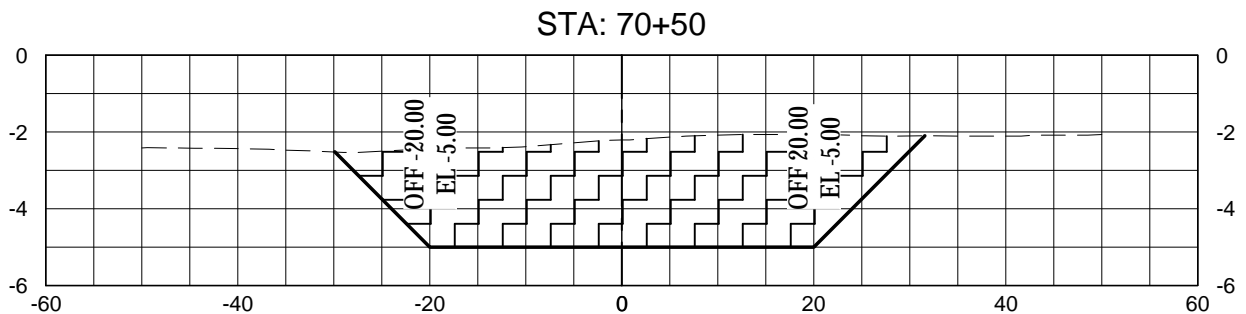
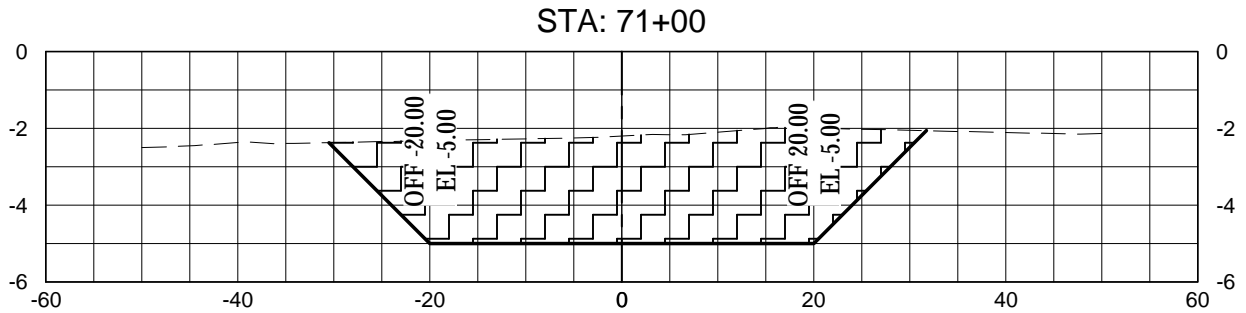
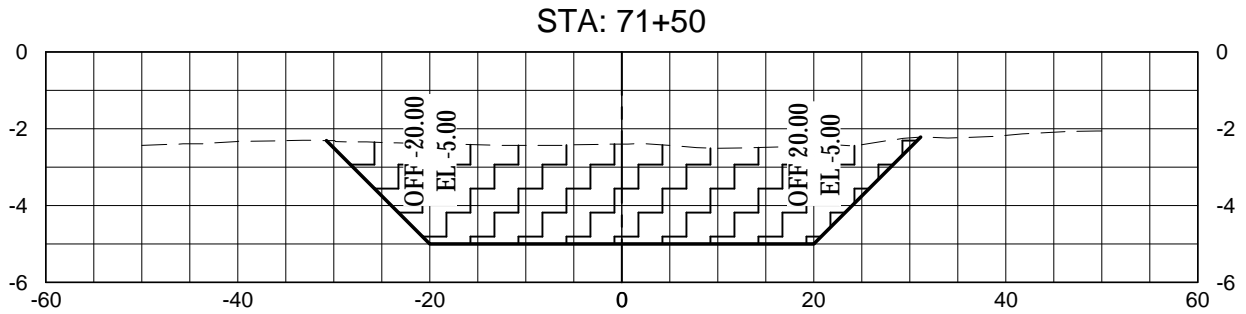
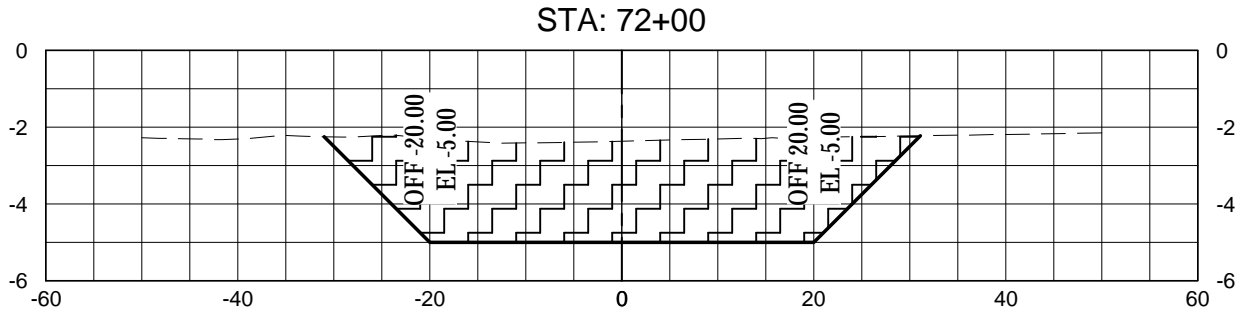
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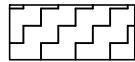
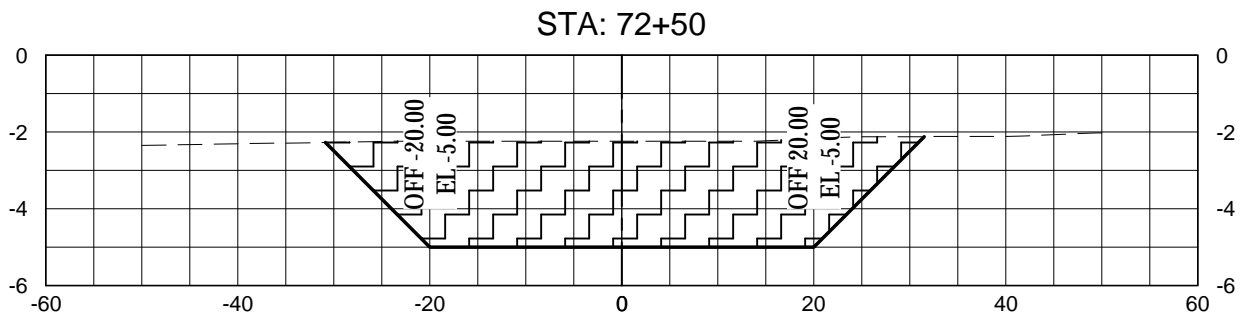
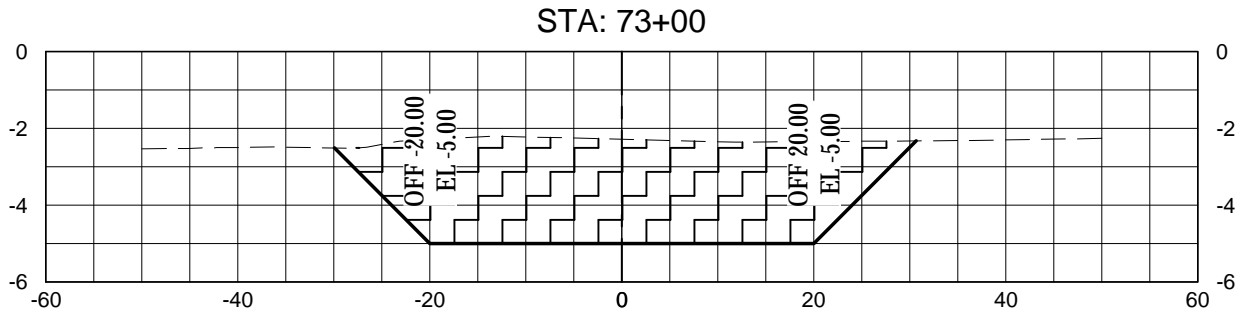
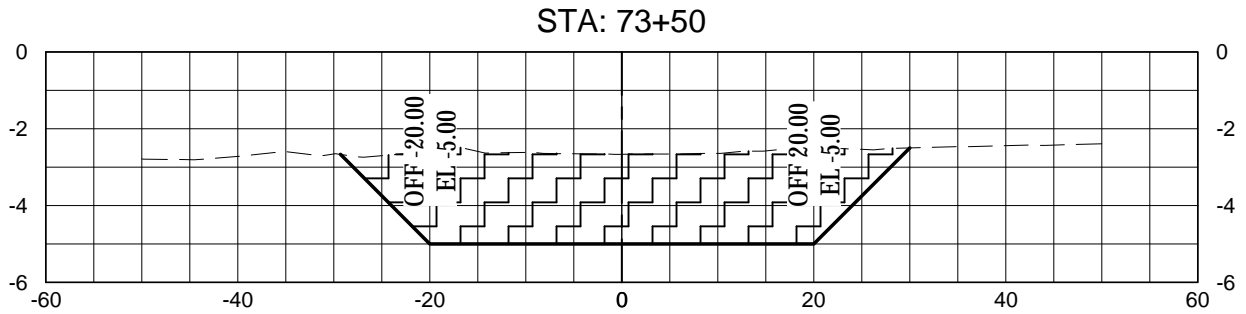
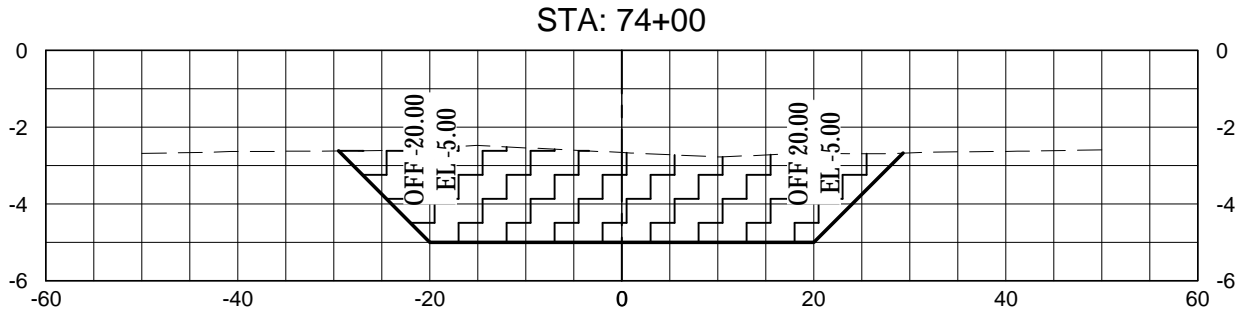
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Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
 Escambia County
Purpose: Boat Ramp



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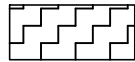
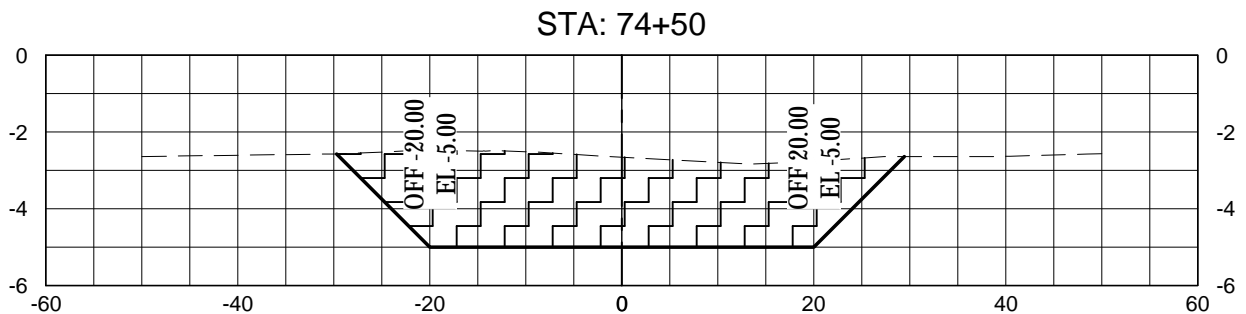
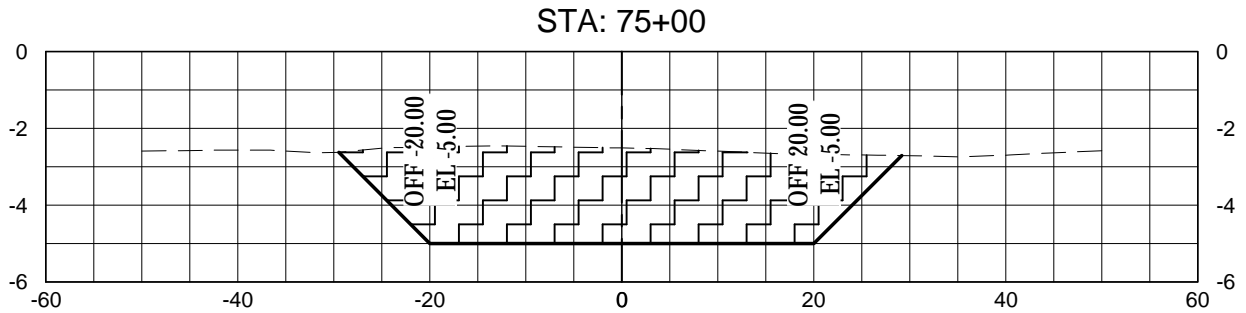
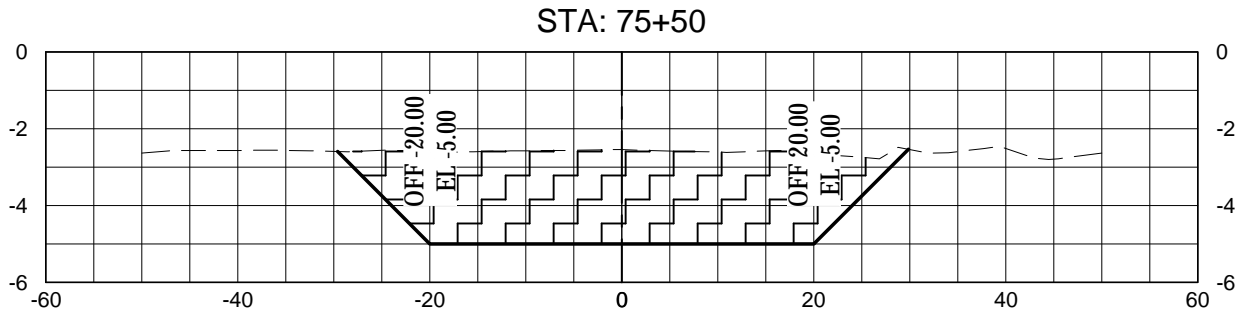
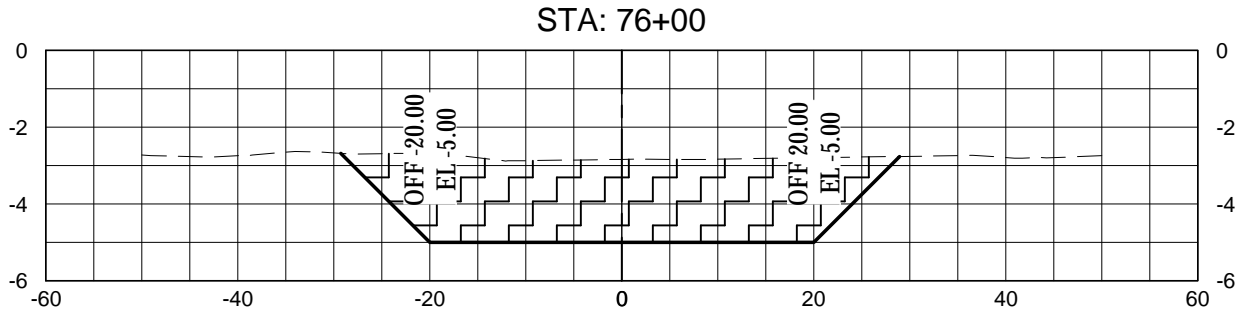
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AREA OF CUT

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Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



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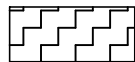
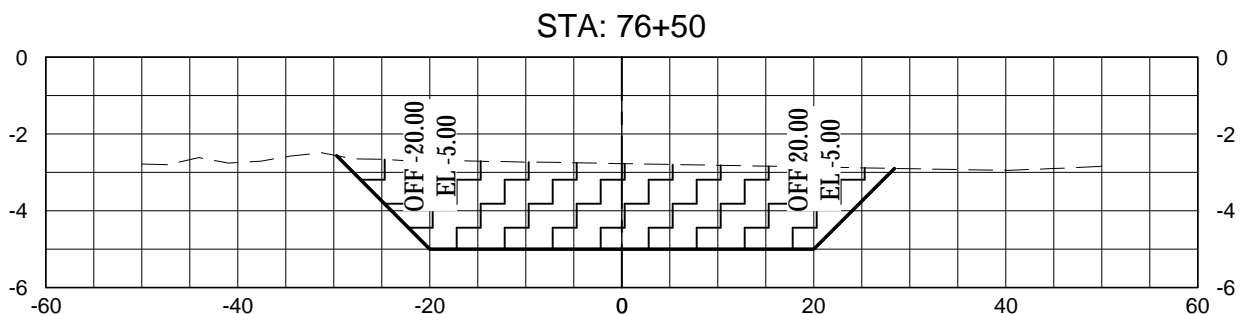
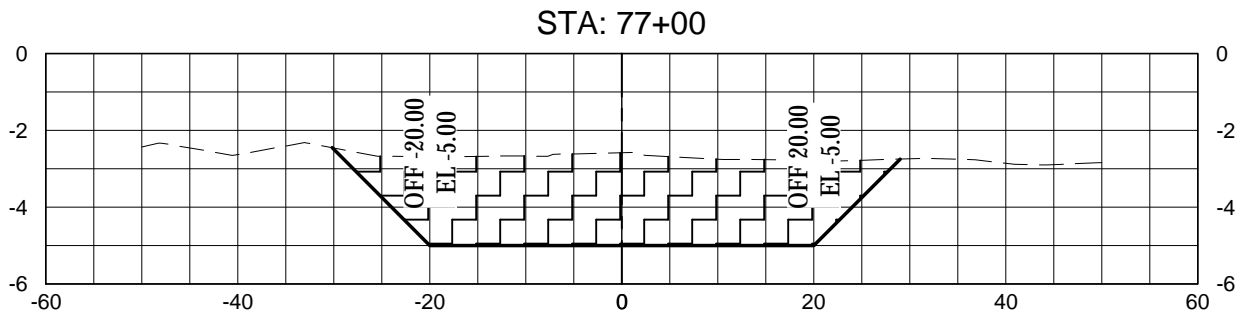
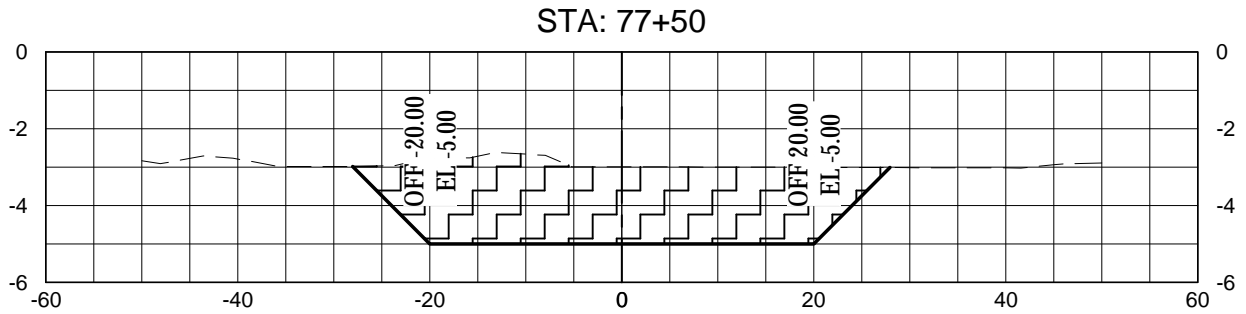
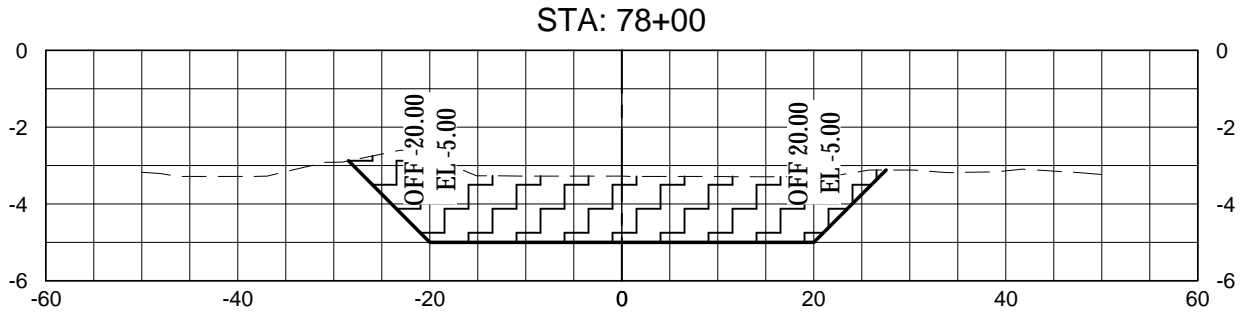
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Project: Perdido Bay Boat Ramp
Applicant: Board of County Commissioners
 Escambia County
Purpose: Boat Ramp



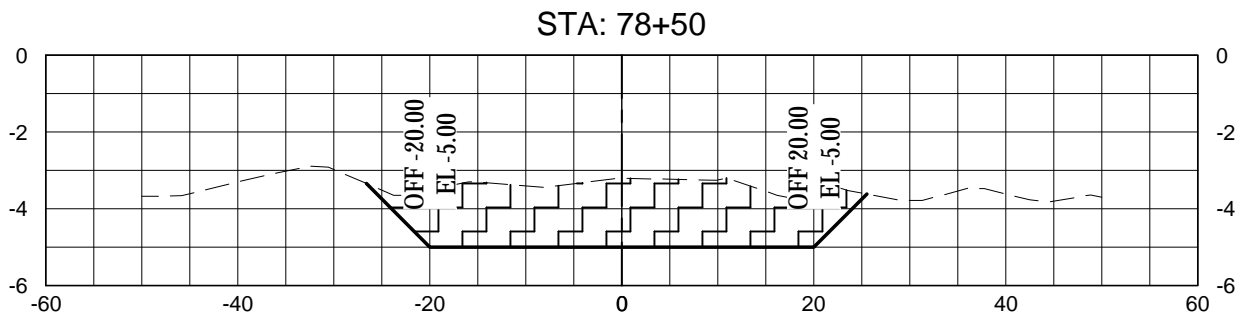
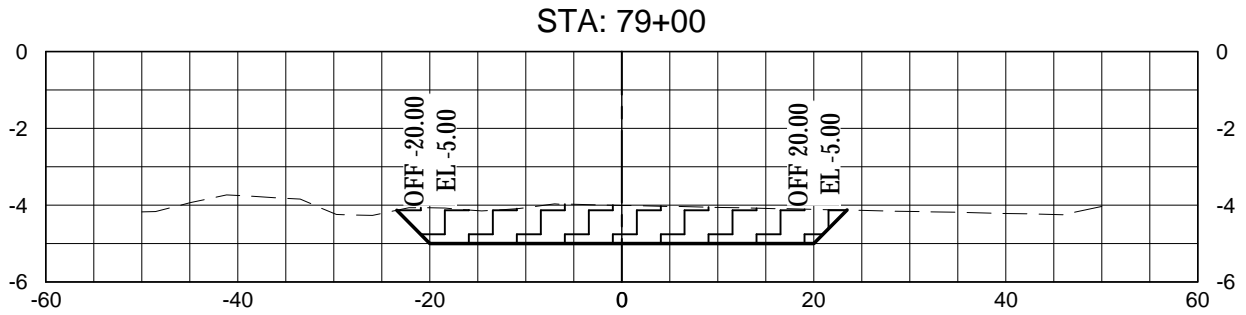
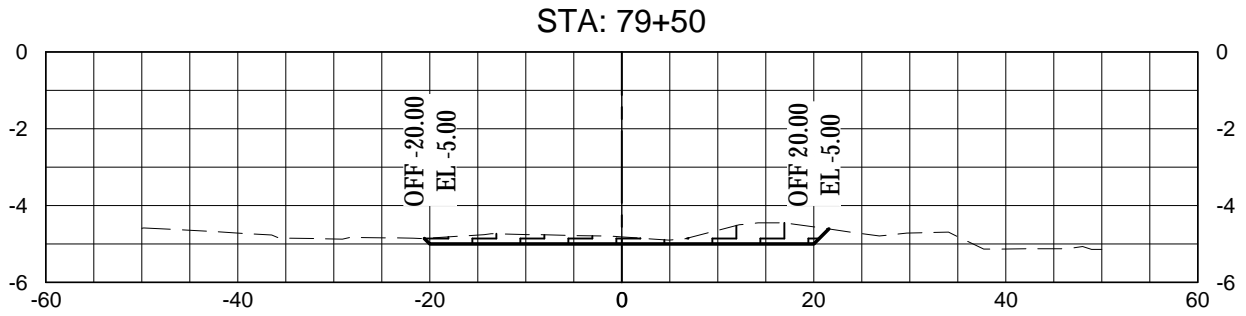
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<p>Project: Perdido Bay Boat Ramp</p> <p>Applicant: Board of County Commissioners Escambia County</p> <p>Purpose: Boat Ramp</p>				<p>Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas</p> <p>Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783</p>			
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Aug. 2017	C. Riley		S. White	HORZ. 1" = 20' VERT. 1" = 5'	31 - Access Channel Sections		

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MEAN HIGH WATER LINE
ELEVATION = 0.78 FEET (NAVD 1988)
AS FIELD LOCATED ON 12/14/16



SCALE: 1" = 300'

TEMPORARY
SPOILS DISPOSAL



PRESERVED/ENHANCED WETLANDS



25' UPLAND PRESERVATION

	SQ. FT.	AC.
PRESERVED/ENHANCED WETLANDS	508,790	11.68
UPLAND PRESERVATION	171,954	3.95

Project: Perdido Bay
Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



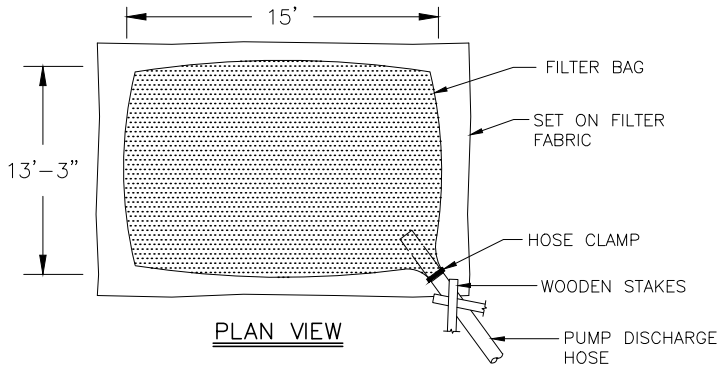
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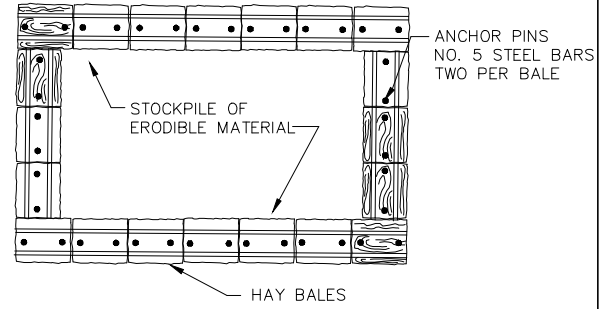
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Aug. 2017	C. Riley		S. White	1:300	32 - Mitigation Plan		

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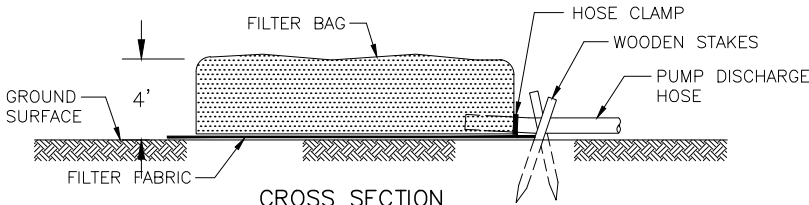


PLAN VIEW



MATERIAL STOCKPILE DETAIL

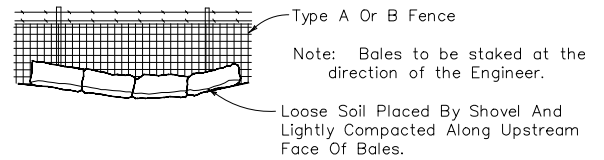
NOT TO SCALE



CROSS SECTION

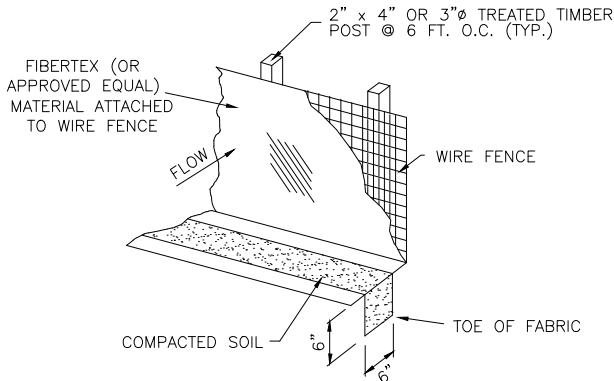
FILTER BAG DETAIL FOR TRENCH DEWATERING OPERATIONS

NOT TO SCALE



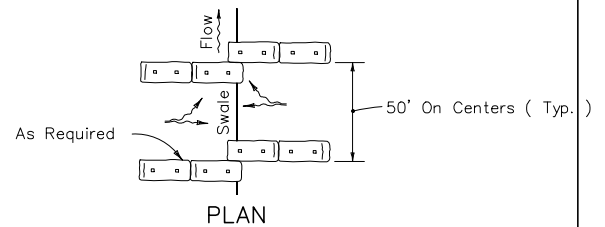
BALES BACKED BY FENCE

NOT TO SCALE

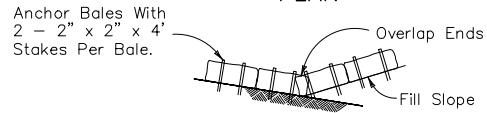


SILT FENCE DETAIL

NOT TO SCALE

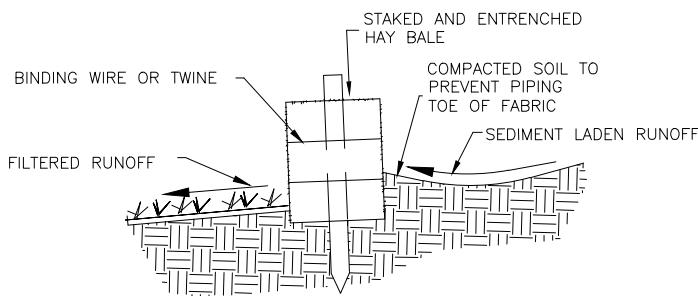


PLAN



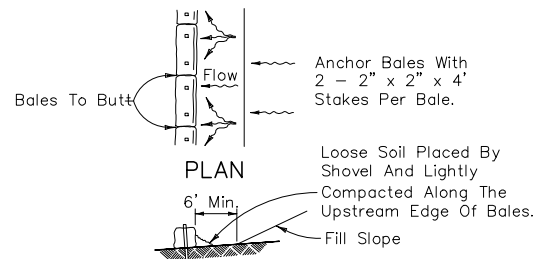
ELEVATION

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



DETAIL OF PROPERLY INSTALLED HAY BALE

NOT TO SCALE



ELEVATION

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES

NOT TO SCALE

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners Escambia County

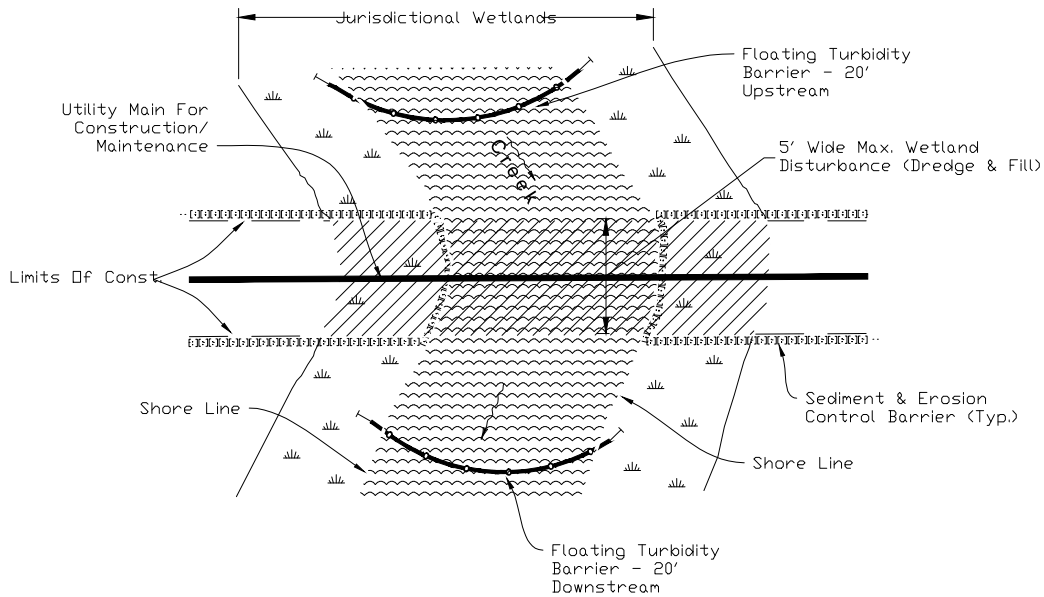
Purpose: Boat Ramp



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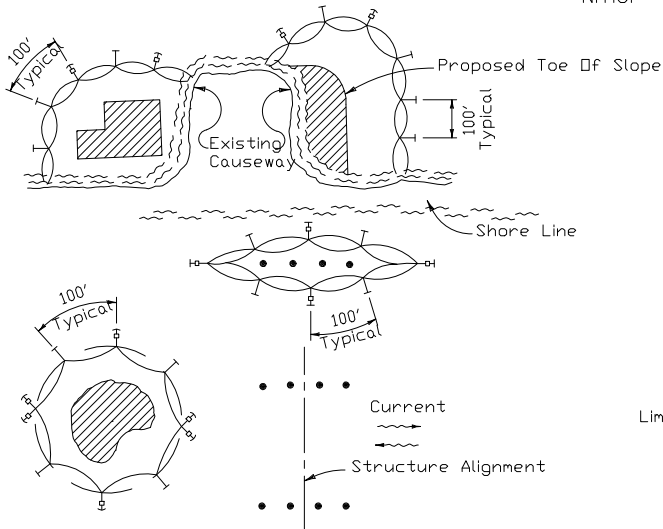
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Aug. 2017	C. Riley		S. White	NTS	33 - Details		



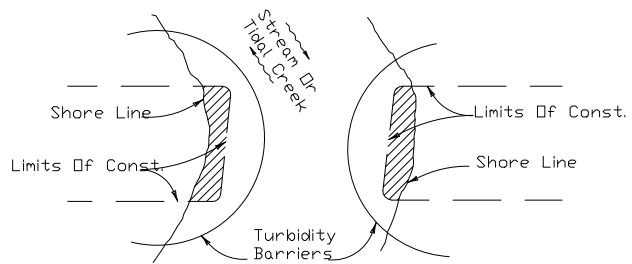
TURBIDITY BARRIER APPLICATIONS

N.T.S.



LEGEND

- Pile Locations
- ▨ Dredge Or Fill Area
- ⊖ Mooring Buoy w/Anchor
- Anchor
- ⊕ Barrier Movement Due To Current Action



NOTES:

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

Note:

Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

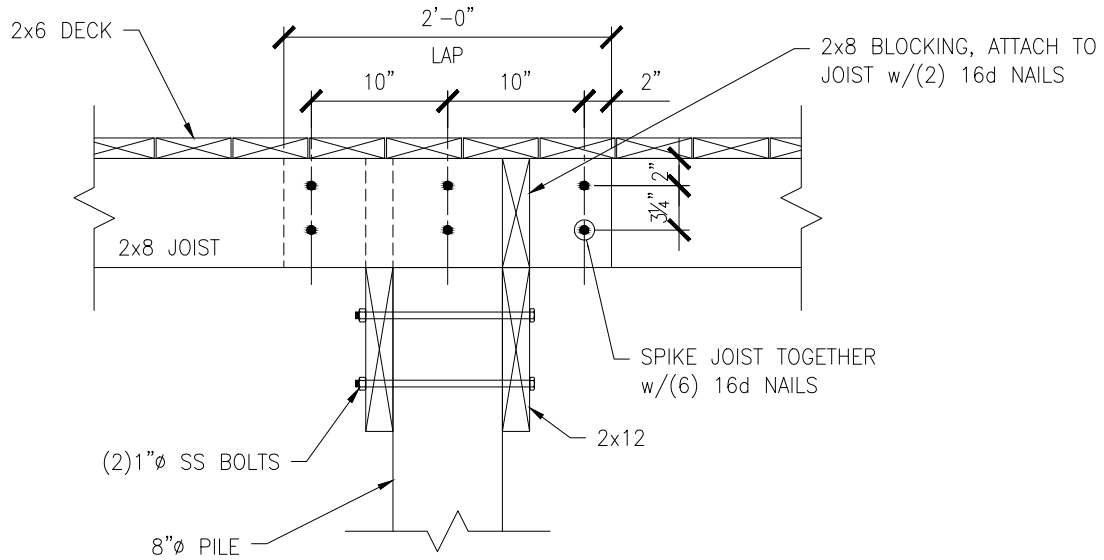
TURBIDITY BARRIER APPLICATIONS

N.T.S.

Project: Perdido Bay Boat Ramp Applicant: Board of County Commissioners Escambia County Purpose: Boat Ramp				Mott MacDonald Florida, LLC. 220 West Garden Street Suite 700 Pensacola, FL 32502 United States of America T +1 (850) 484 6011 www.mottmac.com/americas			
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Date	Drawn	Checked	Approved	Scale at ANSI A	Drawing Number	Status	Rev
Aug. 2017	C. Riley		S. White	NTS	34 - Details		

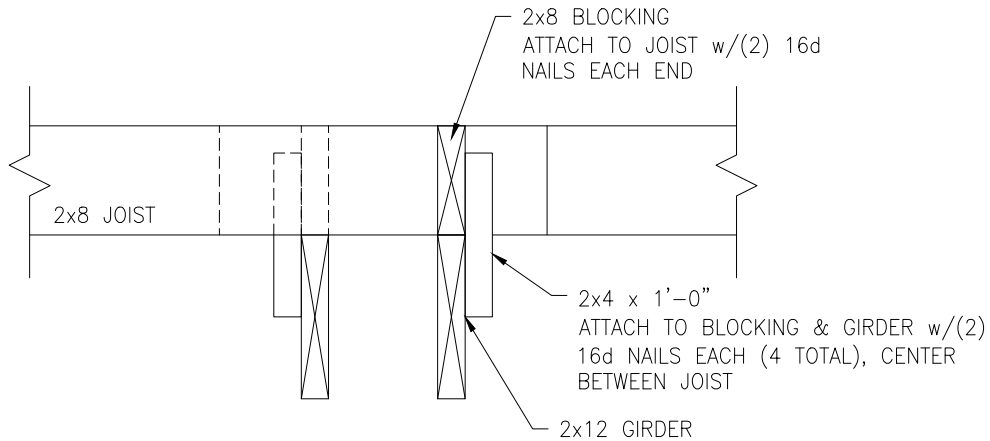
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TYPICAL TIMBER CAP DETAIL

N.T.S.



TYPICAL JOIST TO GIRDER CONNECTION

N.T.S.

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners Escambia County

Purpose: Boat Ramp



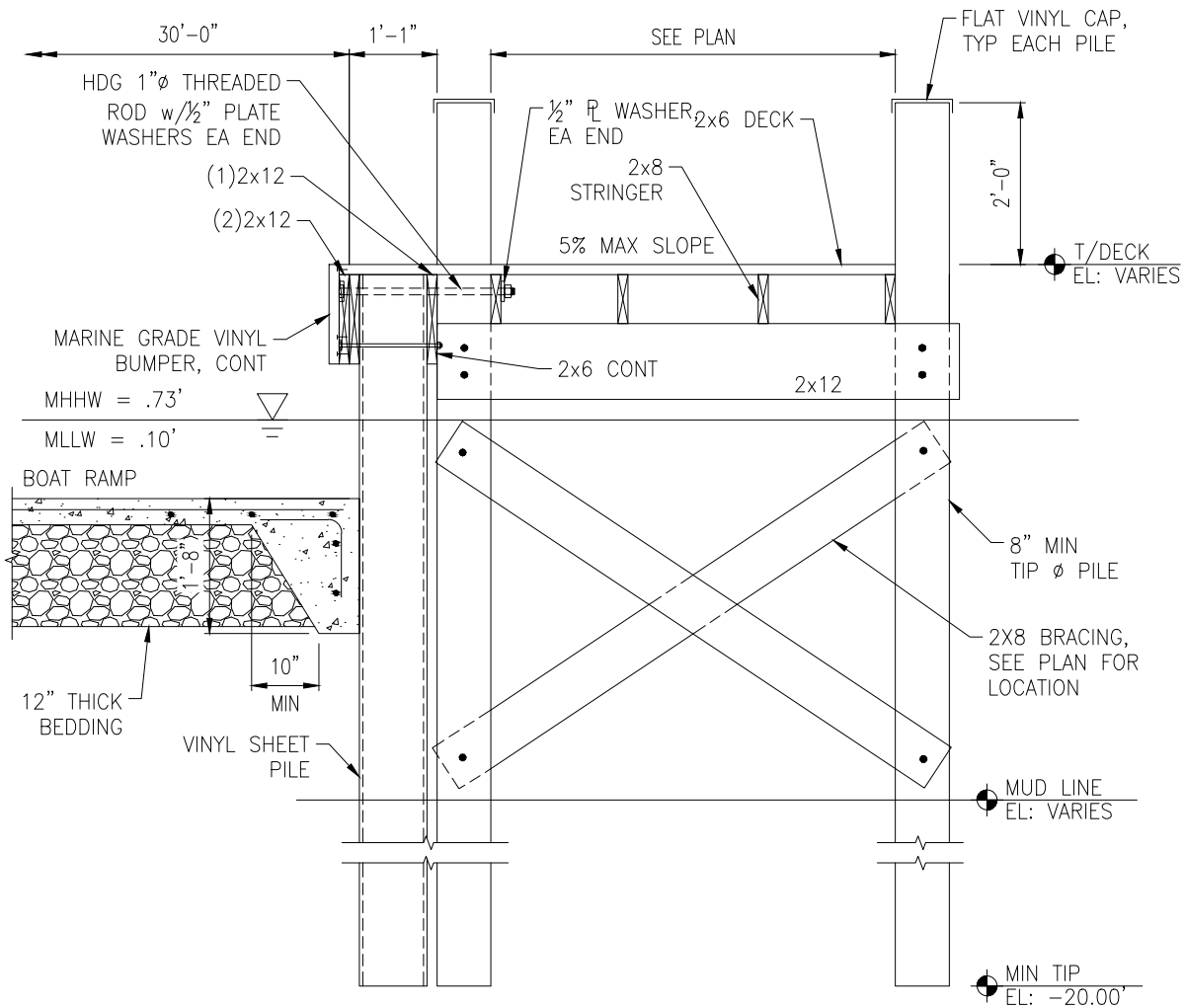
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TYPICAL PIER
N.T.S.

Project: Perdido Bay Boat Ramp

Applicant: Board of County Commissioners
Escambia County

Purpose: Boat Ramp



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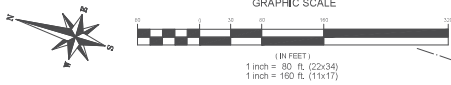
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Aug. 2017	C. Riley		S. White	NTS	36 - Dock Details		

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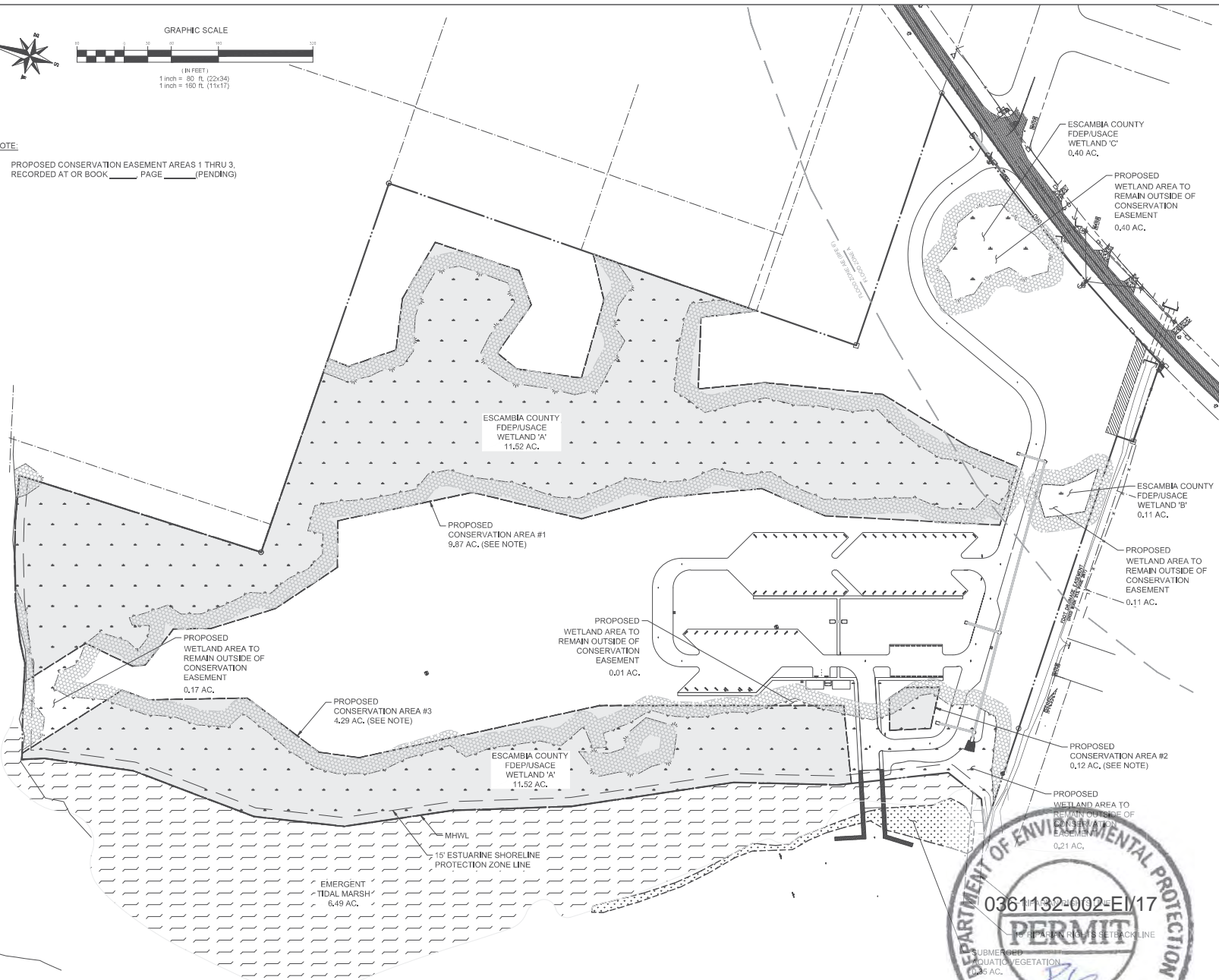
Appendix E

Map Depiction of Proposed Mitigation Sites



NOTE:

1. PROPOSED CONSERVATION EASEMENT AREAS 1 THRU 3, RECORDED AT OR BOOK _____ PAGE _____ (PENDING)



LEGEND

	ESCAMBIA COUNTY/FDEP 25' UPLAND BUFFER
	WETLAND
	EMERGENT TIDAL MARSH
	SUBMERGED AQUATIC VEGETATION (VALLISNERIA AMERICANA) DELINEATED BY WETLAND SCIENCES, INC 11/19/17
	ESCAMBIA COUNTY/FDEP/USACE WETLAND JURISDICTION LINE (DELINEATED BY WETLAND SCIENCES, INC. 03/16/17)
	PROPERTY LINE

Rev	Date	Drawn	Description	Ch'kd	App'd

M M
MOTT MACDONALD
 Architects Engineers Surveyors
 AA - C0000035 EB - 0000155 LB - 0006783

Client: Escambia County Board of County Commissioners

Title: Perdido Bay Boat Ramp
 PROPOSED CONSERVATION EASEMENTS

ISSUED FOR PERMIT

THIS DRAWING IS PART OF A DIGITALLY SIGNED AND SEALED SET OF DRAWINGS. IN ACCORDANCE WITH 61G15-23.004, F.A.C., PRINTED COPIES OF THIS DRAWING ARE NOT CONSIDERED SIGNED AND SEALED AND ALL SIGNATURES MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Project Number	368117	B/O	32	Total	42
Designed	S. WHITE	Eng check			
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check		Approved			
Scale at ANSI D	1:80	Status	PRE	Rev	P1
Drawing Number		Security	STD		

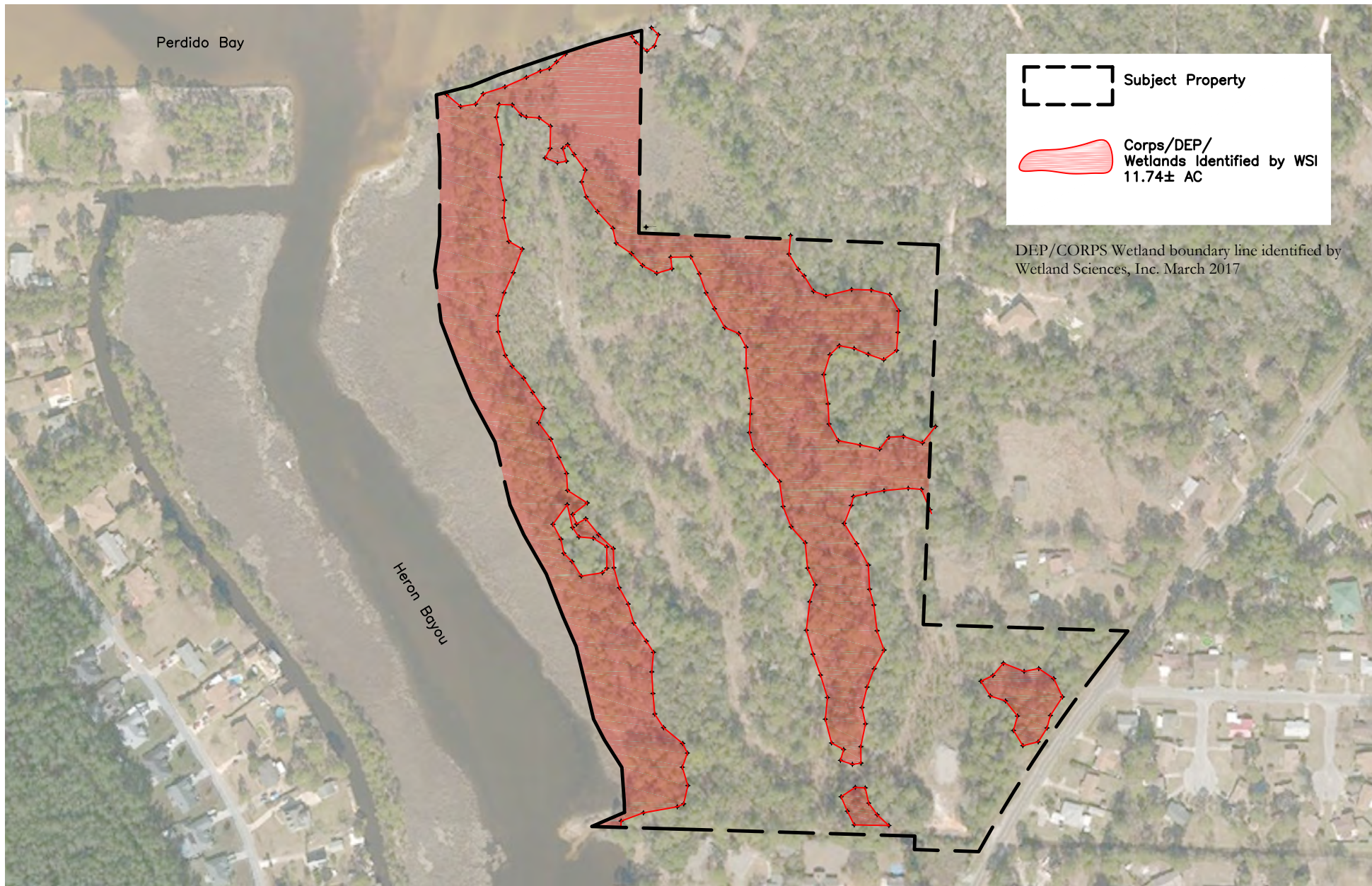


1/20/2018 10:00 AM
 This drawing was created using AutoCAD 2014
 Drawing File: C:\Users\m11555\Documents\3681117\3681117.dwg
 © Mott MacDonald

This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

Appendix F

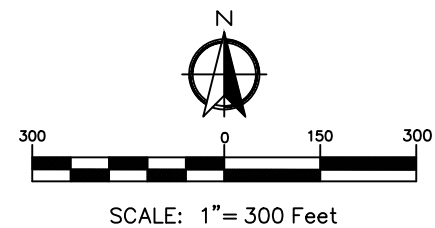
Sketch of Wetland Resources



ENVIRONMENTAL CONSULTANTS

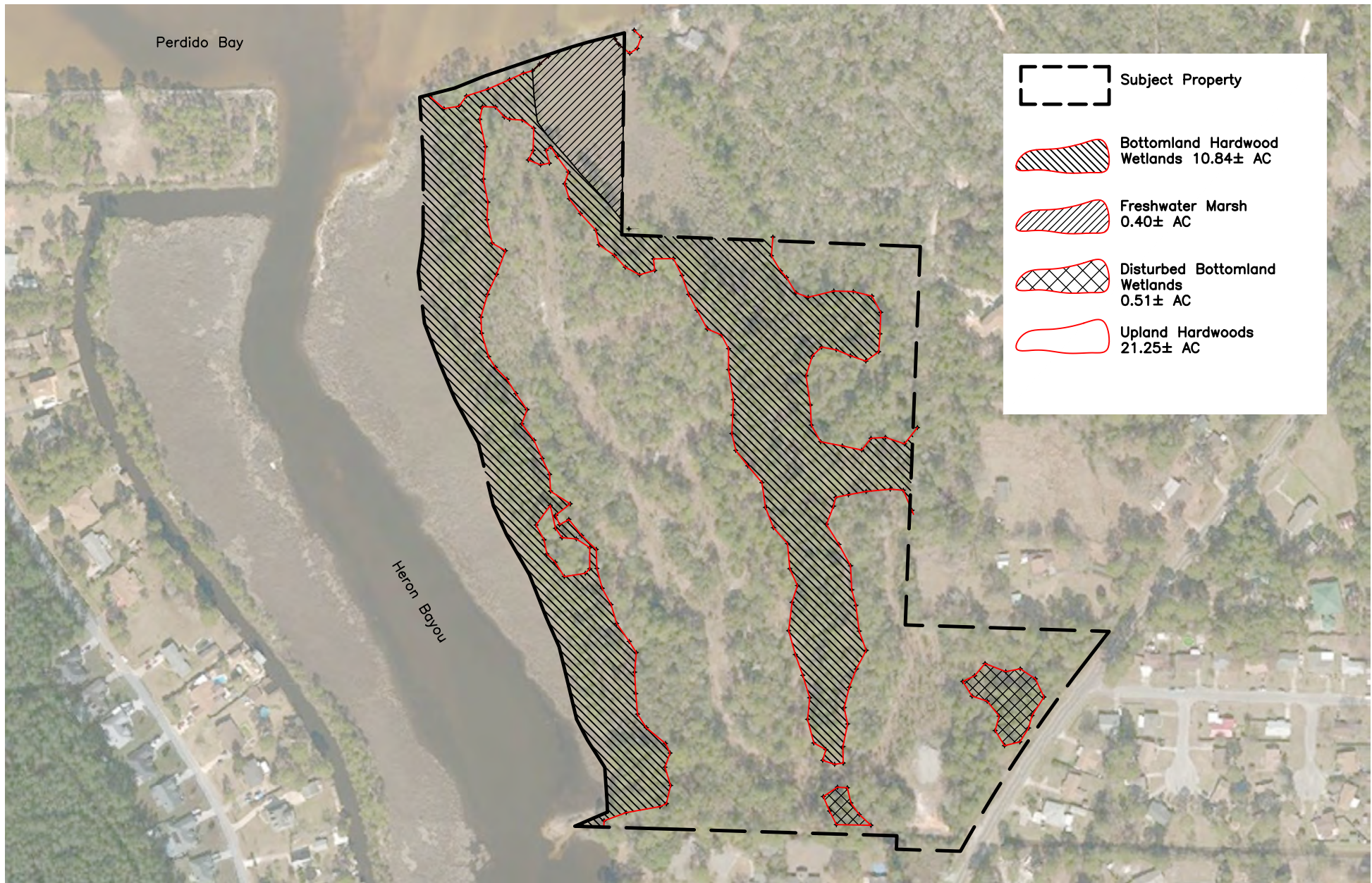
3308 GULF BEACH HIGHWAY
 PENSACOLA, FLORIDA 32507
 TEL: 850.453.4700
 KEITH@WETLANDSCIENCES.COM






PROJECT NAME: Perdido Bay Boat Ramp	
Wetland Sketch	
PROJECT NO.:	2012-184
DRAWN BY: KDJ	DATE: 08/25/17
SHEET: 1	



Appendix G

Ecological Communities within the Subject Property



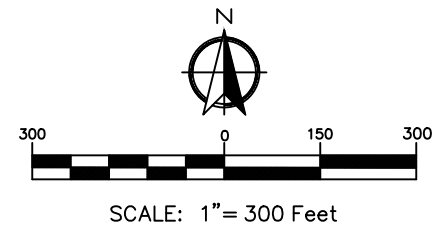
	Subject Property
	Bottomland Hardwood Wetlands 10.84± AC
	Freshwater Marsh 0.40± AC
	Disturbed Bottomland Wetlands 0.51± AC
	Upland Hardwoods 21.25± AC



ENVIRONMENTAL CONSULTANTS

3308 GULF BEACH HIGHWAY
 PENSACOLA, FLORIDA 32507
 TEL: 850.453.4700
 KEITH@WETLANDSCIENCES.COM

PROJECT NAME: Perdido Bay Boat Ramp	
Ecological Communities	
PROJECT NO.:	2012-184
DRAWN BY: KDJ	DATE: 08/25/17
SHEET: 1	



ATTACHMENT 6

Indigo Snake Conditions

(6 Pages)

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE
U.S. Fish and Wildlife Service
August 12, 2013

The eastern indigo snake protection/education plan (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida for use by applicants and their construction personnel. At least **30 days prior** to any clearing/land alteration activities, the applicant shall notify the appropriate USFWS Field Office via e-mail that the Plan will be implemented as described below (North Florida Field Office: jaxregs@fws.gov; South Florida Field Office: verobeach@fws.gov; Panama City Field Office: panamacity@fws.gov). As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the attached poster and brochure), no further written confirmation or “approval” from the USFWS is needed and the applicant may move forward with the project.

If the applicant decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or “approval” from the USFWS that the plan is adequate must be obtained. At least 30 days prior to any clearing/land alteration activities, the applicant shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

The Plan materials should consist of: 1) a combination of posters and pamphlets (see **Poster Information** section below); and 2) verbal educational instructions to construction personnel by supervisory or management personnel before any clearing/land alteration activities are initiated (see **Pre-Construction Activities** and **During Construction Activities** sections below).

POSTER INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (a final poster for Plan compliance, to be printed on 11” x 17” or larger paper and laminated, is attached):

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands

and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION UNDER FEDERAL AND STATE LAW: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. “Taking” of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. “Take” is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the live eastern indigo snake sufficient time to move away from the site without interference;
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

Telephone numbers of USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office – (904) 731-3336
Panama City Field Office – (850) 769-0552
South Florida Field Office – (772) 562-3909

PRE-CONSTRUCTION ACTIVITIES

1. The applicant or designated agent will post educational posters in the construction office and throughout the construction site, including any access roads. The posters must be clearly visible to all construction staff. A sample poster is attached.
2. Prior to the onset of construction activities, the applicant/designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational brochure including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office (a final brochure for Plan compliance, to be printed double-sided on 8.5" x 11" paper and then properly folded, is attached). Photos of eastern indigo snakes may be accessed on USFWS and/or FWC websites.
3. Construction staff will be informed that in the event that an eastern indigo snake (live or dead) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Field Office. The contact information for the USFWS is provided on the referenced posters and brochures.

DURING CONSTRUCTION ACTIVITIES

1. During initial site clearing activities, an onsite observer may be utilized to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
2. If an eastern indigo snake is discovered during gopher tortoise relocation activities (i.e. burrow excavation), the USFWS shall be contacted within one business day to obtain further guidance which may result in further project consultation.
3. Periodically during construction activities, the applicant's designated agent should visit the project area to observe the condition of the posters and Plan materials, and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.

POST CONSTRUCTION ACTIVITIES

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion. The report can be sent electronically to the appropriate USFWS e-mail address listed on page one of this Plan.



ATTENTION:

THREATENED EASTERN INDIGO SNAKES MAY BE PRESENT ON THIS SITE!!!

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site without interference.
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant's designated agent, **and** the appropriate U.S. Fish and Wildlife Service (USFWS) office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant's designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office – (904) 731-3336

Panama City Field Office – (850) 769-0552

South Florida Field Office – (772) 562-3909

Killing, harming, or harassing indigo snakes is strictly prohibited and punishable under State and Federal Law.

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. "Taking" of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. "Take" is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

**IF YOU SEE A LIVE EASTERN
INDIGO SNAKE ON THE SITE:**

- Cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site without interference.
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant's designated agent, **and** the appropriate U.S. Fish and Wildlife Service (USFWS) office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

**IF YOU SEE A DEAD EASTERN
INDIGO SNAKE ON THE SITE:**

- Cease clearing activities and immediately notify supervisor or the applicant's designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

**USFWS Florida Field Offices to be
contacted if a live or dead eastern indigo
snake is encountered:**

North Florida ES Office – (904) 731-3336
Panama City ES Office – (850) 769-0552
South Florida ES Office – (772) 562-3909

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

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Killing, harming, or harassing indigo snakes is strictly prohibited and punishable under State and Federal Law.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

LEGAL STATUS: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. “Taking” of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. “Take” is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.



August 12, 2013

ATTENTION:
THREATENED EASTERN INDIGO
SNAKES MAY BE PRESENT ON
THIS SITE!!!



Please read the following information provided by the U.S. Fish and Wildlife Service to become familiar with standard protection measures for the eastern indigo snake.

ATTACHMENT 7

Standard Manatee Conditions

(1 Page)

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The Permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees, which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. [Omitted]
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and emailed to FWC at ImperiledSpecies@myFWC.com.
- f. [Omitted]

[Conditions "c" and "f" have been omitted as they are not applicable in this location.]

ATTACHMENT 8

Sea Turtle and Smalltooth Sawfish Construction Conditions

(1 Page)



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
263 13th Avenue South
St. Petersburg, FL 33701

SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc

THESE CONDITIONS APPLY TO GULF AND SHORTNOSE STURGEON

