



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
41 N. JEFFERSON STREET, SUITE 301
PENSACOLA, FLORIDA 32502

October 26, 2018

REPLY TO
ATTENTION OF

Regulatory Division
North Permits Branch
Pensacola Permits Section
SAJ-2018-01638(SP-EPS)

Walton County
c/o Chance Powell, County Engineer
117 Montgomery Circle
Defuniak Springs, FL 32435

Dear Mr. Powell:

The U.S. Army Corps of Engineers (Corps) assigned your application for a Department of the Army permit, the file number SAJ-2018-01638. A review of the information and revised drawings provided indicates that the proposed work involves the discharge of fill material into 0.11-acre of jurisdictional wetlands and the dredging of 270 cubic yards of material for the replacement of an undersized box culvert with a bridge. Riprap would also be placed on both sides of the new bridge channel. The project site is located in surface waters and wetlands of Alligator Lake at County Road 30A, in Section 8, Township 02 South, Range 19 West, Walton County, Florida.

The dredging and filling associated with the replacement of the undersized box culvert is authorized by Nationwide Permit (NWP) Number #27. The placement of riprap is authorized by NWP#13. In addition, project specific conditions have been enclosed. These verifications are valid until **March 18, 2022**. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of these NWP's to complete the activity under the present terms and conditions of these nationwide permits. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Internet page to access Internet links to view the Final Nationwide Permits, Federal Register Vol. 82, dated January 6, 2017, specifically pages 1983 to 2008, and the table of Regional Conditions. The Internet page address is:

<http://www.saj.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and then click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to these verifications for NWP #27 and NWP#13. Enclosed is a

list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with these verifications:

1. **Self-Certification:** Within 60 days of completion of the work authorized, the attached *Self-Certification Statement of Compliance* must be completed and submitted to the U.S. Army Corps of Engineers. Mail the completed form to the Regulatory Division, Enforcement Section, at the letterhead address.

2. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall provide a written notification of the date of commencement of authorized work to the Corps.

3. **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.

4. Reporting Address: The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:

a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 41 North Jefferson St., Suite 301, Pensacola, FL 32502.

b. For electronic mail: CESAJ-ComplyDocs@usace.army.mil (not to exceed 10 MB). The Permittee shall reference this permit number, SAJ-2018-01638(NW-EPS), on all submittals.

5. Erosion Control: Prior to the initiation of any 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.

6. 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.

7. 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 attached to 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.

8. Regulatory Agency Changes: Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that 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 Regulatory Office.

9. No building or fill materials, tools or other equipment shall be stockpiled in waters of the United States outside of the authorized permanent impact areas.

10. All contractors involved in this permitted activity shall be provided copies of this permit in its entirety. A copy shall remain on site at all times during construction.

11. Turbidity Barriers: Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend 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.

This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this Nationwide permit must qualify for an exemption

under section 403.813(1), Florida Statutes or 373.406, Florida Statutes, or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, Florida

Statutes, by the Department of Environmental Protection, a water management district under section 373.069, Florida Statutes, or a local government with delegated authority under section 373.441, Florida Statutes, and receive Water Quality Certification and applicable Coastal Zone Consistency Concurrence or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, Florida Statutes, and, as applicable, Chapter 258, Florida Statutes. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact me by telephone at 850-439-9533.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. Please be aware

this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Sincerely,

A handwritten signature in black ink, appearing to read 'ESARFERT', with a stylized flourish at the end.

Ed Sarfert
Project Manager

Enclosures

Permit General Conditions
Permit Transfer Request
Self-Certification of Compliance
Eastern Indigo Snake Conditions
Permit Drawings (14 pages)

Copy Furnished:

John Fielding, PE, Atkins

GENERAL CONDITIONS
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on **March 18, 2022**.
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 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.
6. You must allow a representative 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.

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2018-01638 (NW-EPS)

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. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: SAJ-2018-01638

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

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.

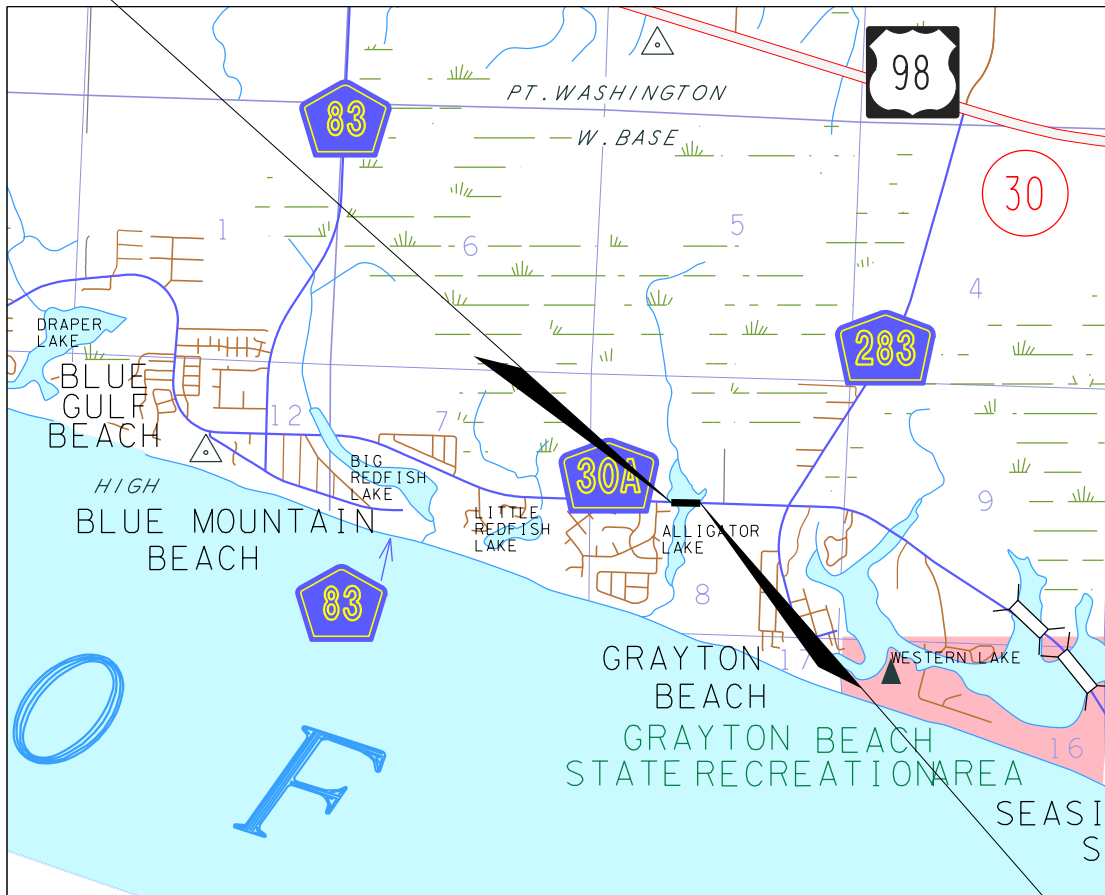
Walton County

Alligator Lake Culvert Replacement & Restoration Project

County Road 30A
At Alligator Lake

EXHIBITS AND DESCRIPTIONS OF IMPACTS TO EXISTING WETLANDS AND WATERS

BEGIN PROJECT
STA. 183+40.00



END PROJECT
STA. 191+00.00

**WETLANDS IMPACT
EXHIBIT
LOCATION MAP**

JOHN FIELDING, PE, PTOE
P.E. LICENSE NUMBER 79082
ATKINS NORTH AMERICA, INC.
1141 JACKSON AVE
CHIPLEY, FL 32428
CERTIFICATE OF AUTHORIZATION 24

WALTON COUNTY
DEPARTMENT OF PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 30A	WALTON	TWO 17-06

PROJECT INFORMATION

PROJECT AREAS

TOTAL PROJECT LENGTH:	760 ft
TOTAL PROJECT AREA:	2.10 Ac
TOTAL WETLANDS WITHIN R/W:	11,560 sf (0.265 Ac)
TOTAL WETLAND IMPACTS:	9,599 sf (0.220 Ac); 4,790 sf FILL - 4,809 sf DREDGE
TOTAL EXCAVATION WITHIN WETLANDS:	270 CY
TOTAL FILL WITHIN WETLANDS:	430 CY
VOLUME OF IMPOUNDED WATER:	0 Ac-ft
EXISTING IMPERVIOUS SURFACE:	0.61 Ac
PROPOSED IMPERVIOUS SURFACE:	0.67 Ac

NOTES:

1. PROJECT INTENT IS THE RESTORATION OF CONNECTIVITY BETWEEN THE REGIONS OF ALLIGATOR LAKE NORTH AND SOUTH OF CR 30A THROUGH THE REPLACEMENT OF THE EXISTING, FAILING BOX CULVERT WITH A NEW PRECAST CONCRETE BRIDGE. THE NEW CROSSING WILL PROVIDE IMPROVED FLOW BETWEEN THE TWO REGIONS, ELIMINATE THE SEDIMENT TRANSPORT ISSUES, AND PREVENT EROSION VELOCITIES DURING HEAVY RAINFALL EVENTS. THE EXISTING BYPASS CHANNEL AREA SERVING THE BOX CULVERT WILL BE FILLED AND RESTORED TO A NATURAL STATE WHILE THE NEW CROSSING IS SHIFTED EAST TO BETTER ALIGN WITH THE TWO WATERBODIES.
2. STORMWATER POLLUTION PREVENTION MEASURES INCLUDE THE USE OF INLET PROTECTION DEVICES, SEDIMENT BARRIERS, AND FLOATING TURBIDITY BARRIERS AS NECESSARY. ADDITIONAL MEASURES MAY BE USED IN ORDER TO MEET THE REQUIREMENTS OF THE SWPPP INCLUDED IN THE CONSTRUCTION PLANS.
3. EXISTING DRAINAGE OUTFALL LOCATIONS WILL BE MAINTAINED.
4. EXISTING DRIVEWAY CONNECTIONS WILL BE RESTORED.
5. PROJECT PROPOSES MAINTAIN THE EXISTING IMPERVIOUS SURFACE AREA WITHIN THE PROJECT LIMITS WITH A MINIMAL INCREASE ACCOUNTING FOR MISCELLANEOUS ASPHALT UNDER THE GUARDRAIL APPROACHES TO PREVENT EROSION.
6. REFER TO CONSTRUCTION PLANS AND DOCUMENTATION FOR ADDITIONAL INFORMATION ON DETAILED CONSTRUCTION ITEMS, SOIL CONDITIONS, AND PLANNED DRAINAGE CONDITIONS.

PROJECT CONTACTS:

ENGINEER OF RECORD: JOHN FIELDING, PE
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVENUE
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION NO. 24
 (850) 260-3213 - OFFICE

PROJECT OWNER: CHANCE POWELL, PE
 COUNTY TRAFFIC ENGINEER
 WALTON COUNTY PUBLIC WORKS
 117 MONTGOMERY CIRCLE
 DEFUNIAK SPRINGS, FL 32435
 (850) 892-8108 - OFFICE

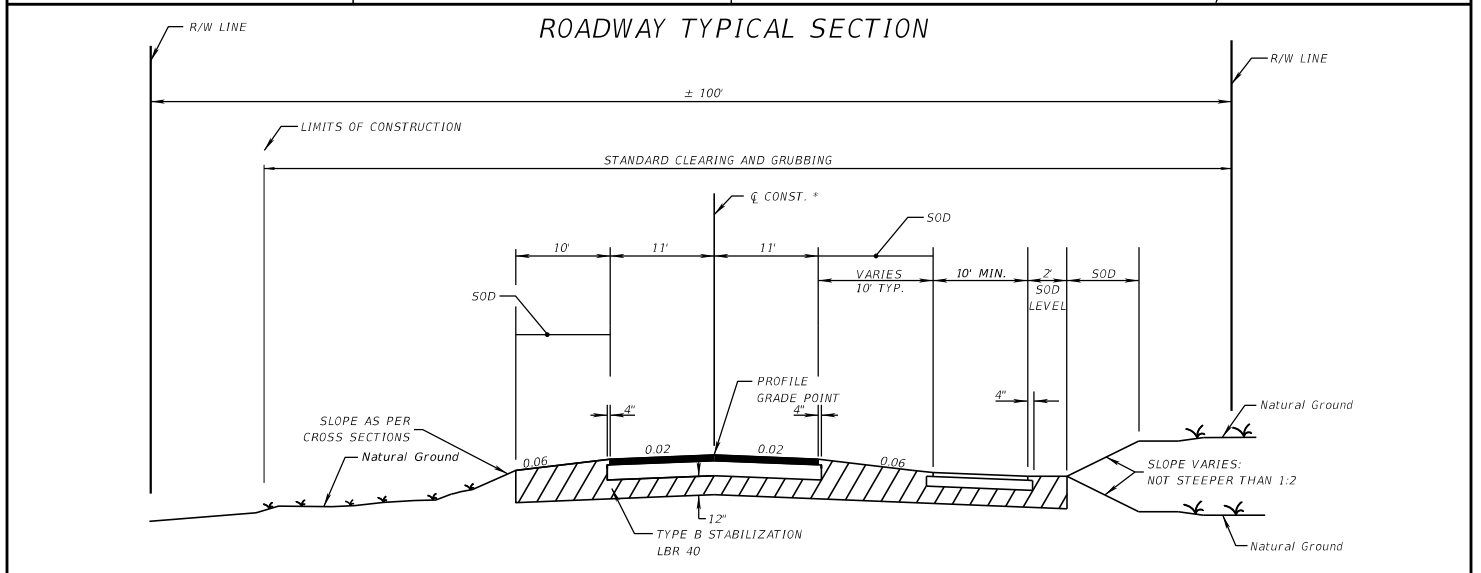
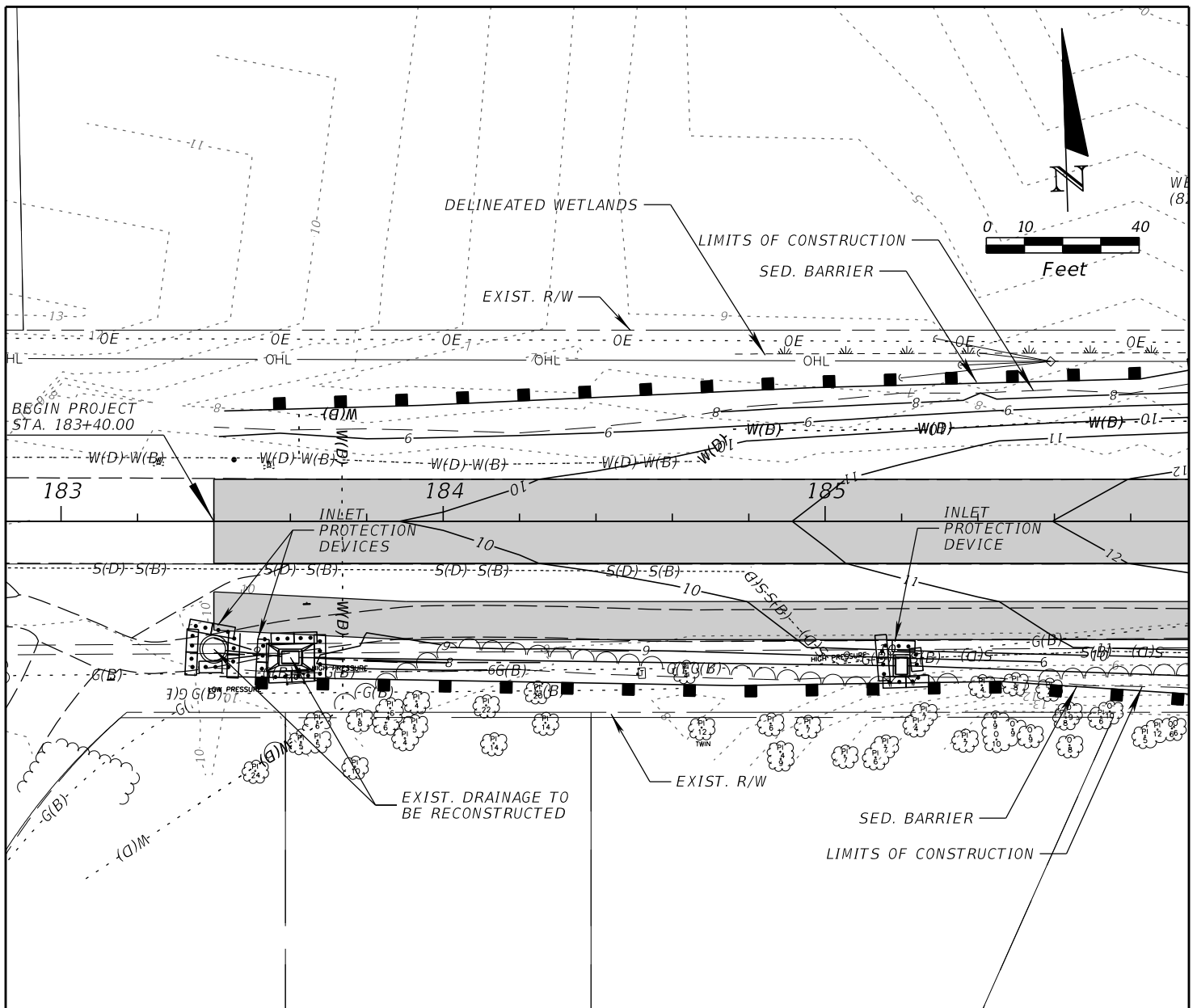
CHARLEY COTTON, PE
 COUNTY DRAINAGE ENGINEER
 WALTON COUNTY PUBLIC WORKS
 117 MONTGOMERY CIRCLE
 DEFUNIAK SPRINGS, FL 32435
 (850) 892-8108 - OFFICE

WETLANDS IMPACT EXHIBIT SHEET 2

JOHN FIELDING, PE, PTOE
 P.E. LICENSE NUMBER 79082
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVE
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION 24

**WALTON COUNTY
DEPARTMENT OF PUBLIC WORKS**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 30A	WALTON	TWO 17-06

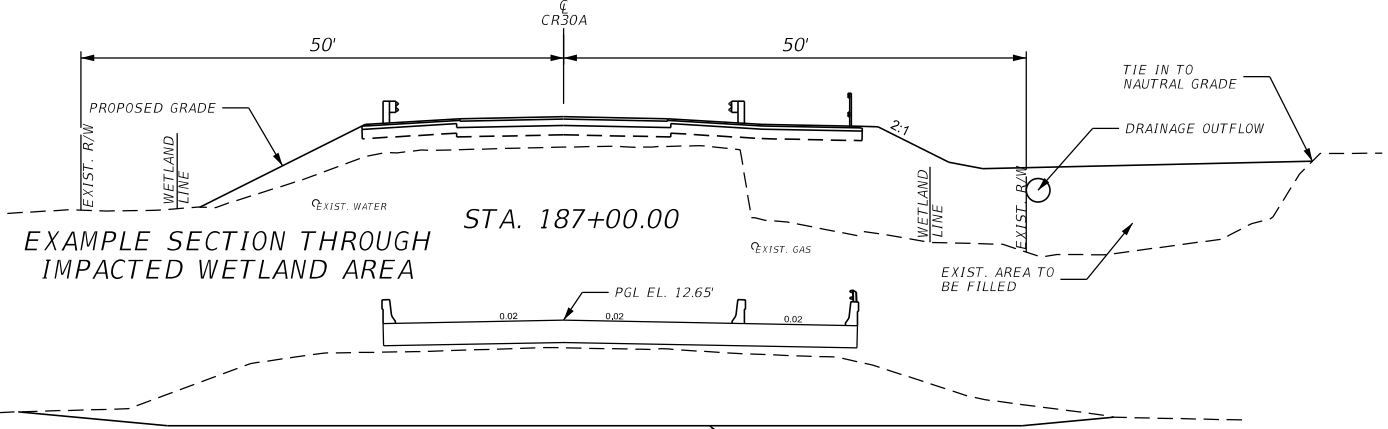
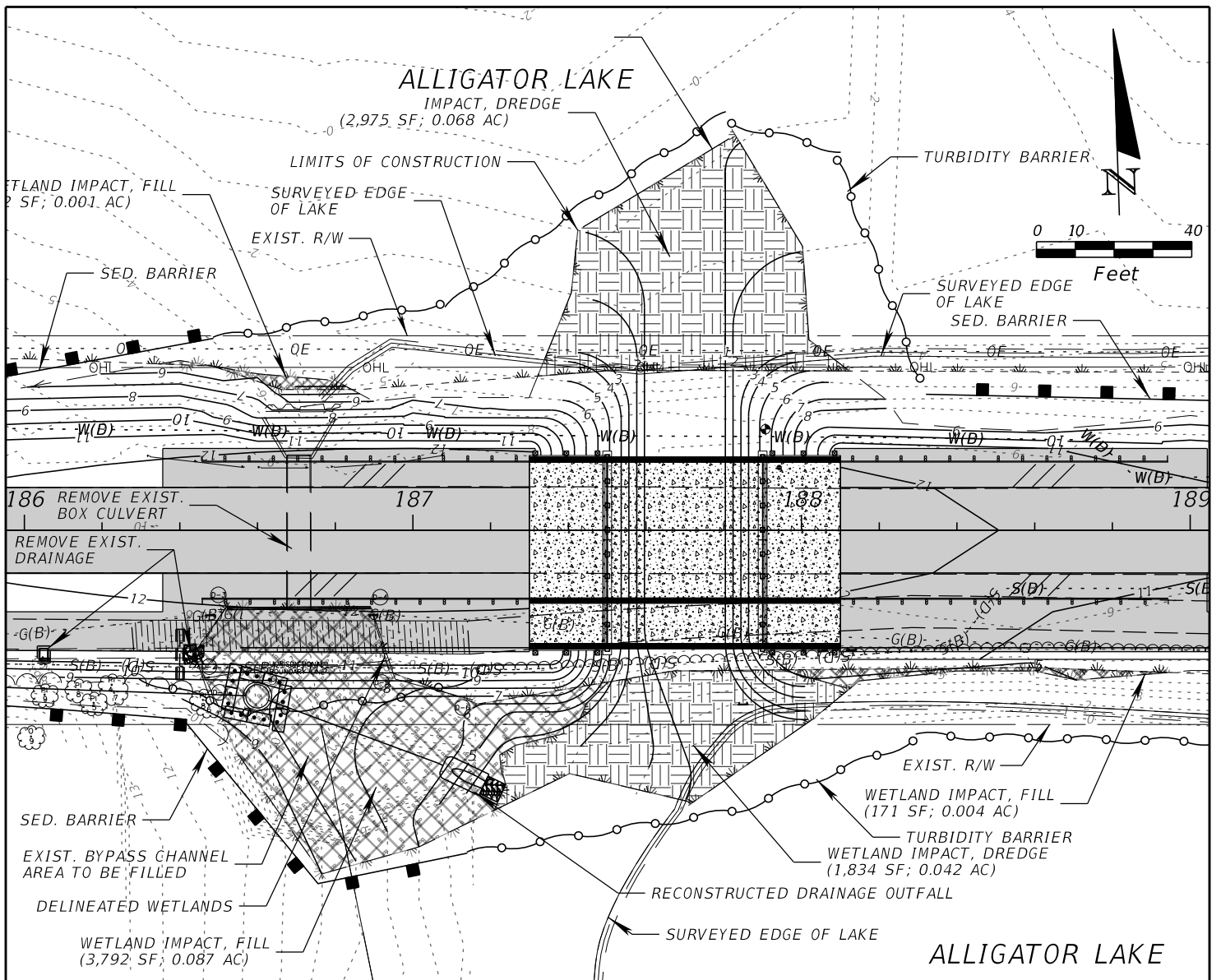


**WETLANDS IMPACT
EXHIBIT
SHEET 3**

JOHN FIELDING, PE, PTOE
P.E. LICENSE NUMBER 79082
ATKINS NORTH AMERICA, INC.
1141 JACKSON AVE
CHIPLEY, FL 32428
CERTIFICATE OF AUTHORIZATION 24

WALTON COUNTY
DEPARTMENT OF PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 30A	WALTON	TWO 17-06



EXAMPLE SECTION THROUGH IMPACTED WETLAND AREA

CROSS SECTION THROUGH PROPOSED CHANNEL AREA STA. 187+70.00

ESTIMATED EXCAVATION IN WETLAND: 270 CY (NEW CHANNEL EXCAVATION)
 ESTIMATED FILL IN WETLAND: 400 CY (FILL EXIST. CHANNEL)

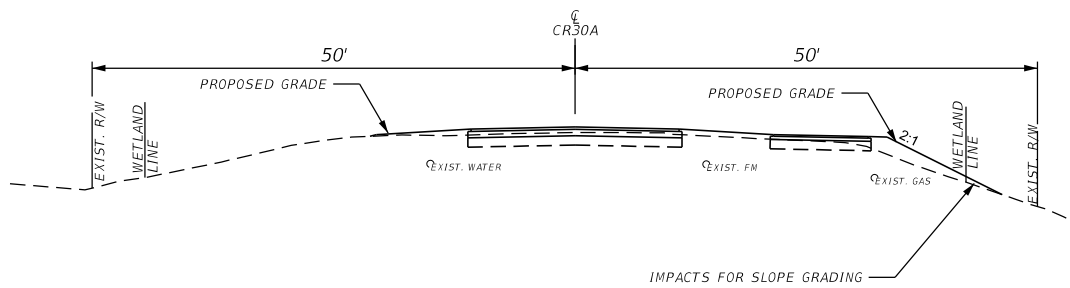
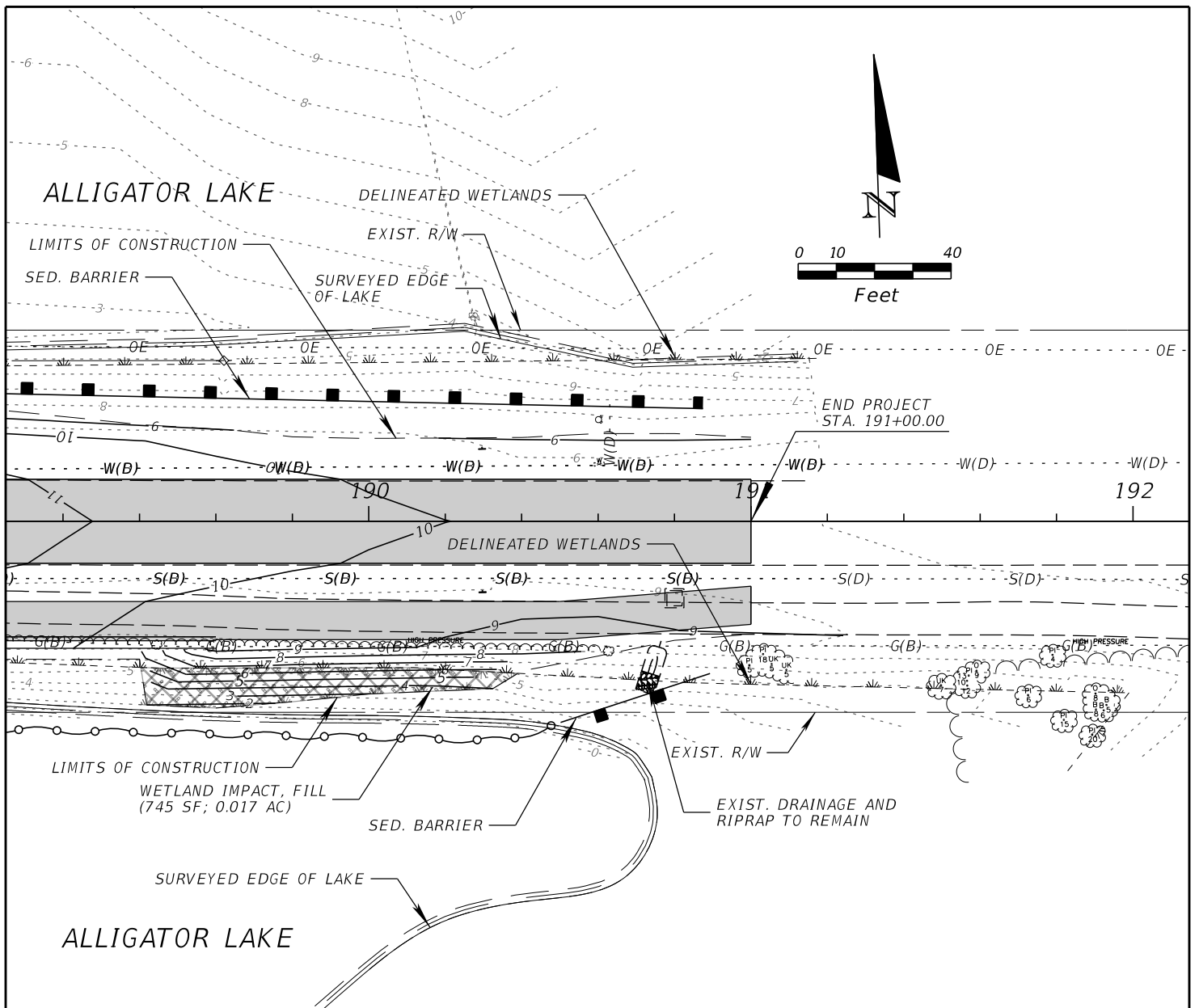
*NEW CHANNEL EXCAVATION TOTAL LIMITED TO WETLAND AREAS ONLY. DOES NOT INCLUDE NEW CHANNEL IN AREAS NOT CURRENTLY CLASSIFIED AS WETLANDS.

WETLANDS IMPACT EXHIBIT SHEET 4

JOHN FIELDING, PE, PTOE
 P.E. LICENSE NUMBER 79082
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVE
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION 24

WALTON COUNTY DEPARTMENT OF PUBLIC WORKS

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 30A	WALTON	TWO 17-06



EXAMPLE SECTION THROUGH IMPACTED WETLAND AREA

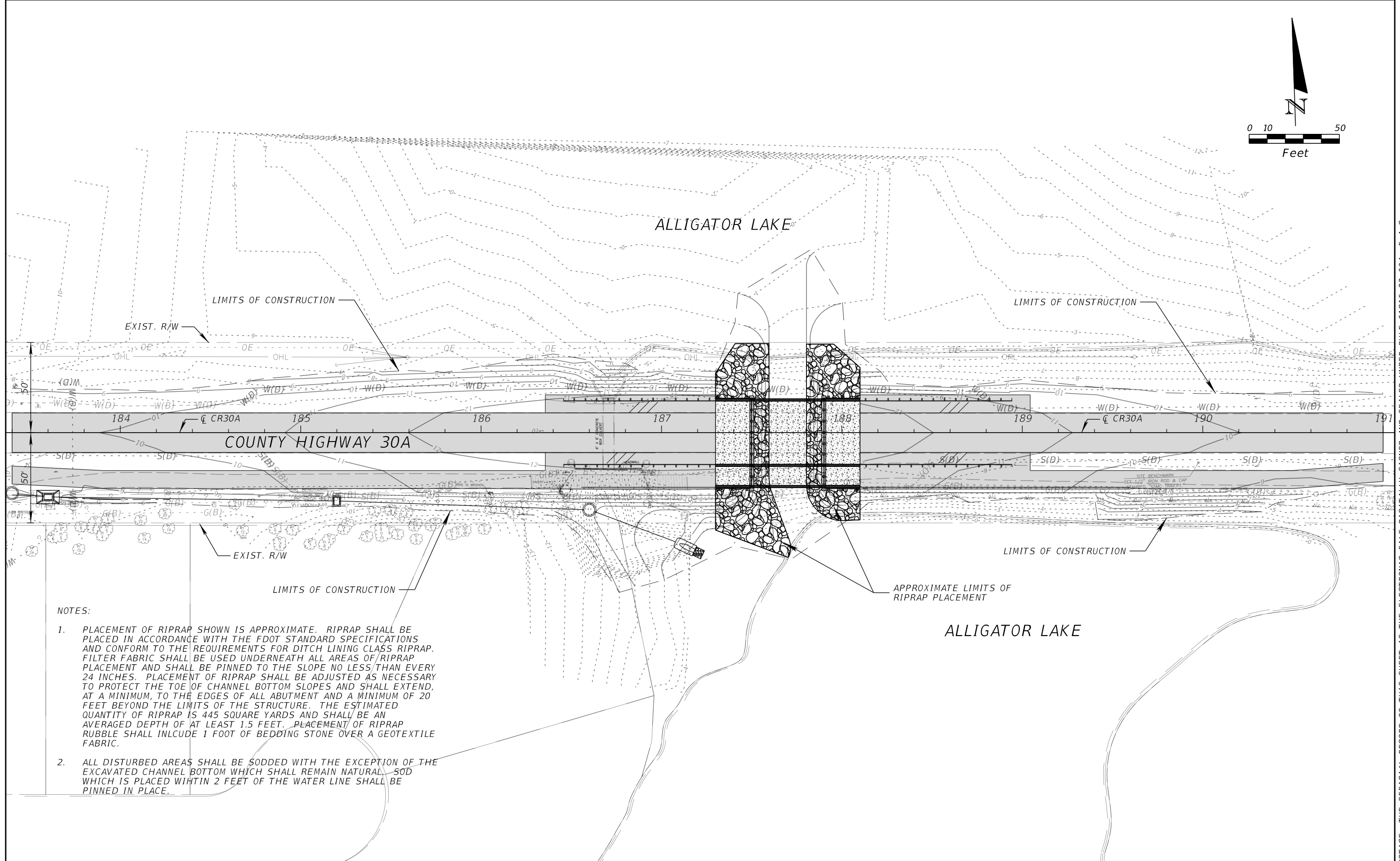
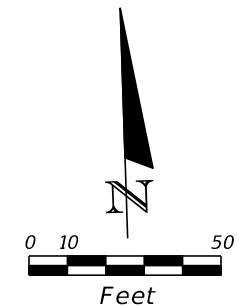
ESTIMATED EXCAVATION IN WETLAND: 0 CY
 ESTIMATED FILL IN WETLAND: 30 CY

**WETLANDS IMPACT
 EXHIBIT
 SHEET 5**

JOHN FIELDING, PE, PTOE
 P.E. LICENSE NUMBER 79082
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVE
 CHIPLEY, FL 32428
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WALTON COUNTY
 DEPARTMENT OF PUBLIC WORKS

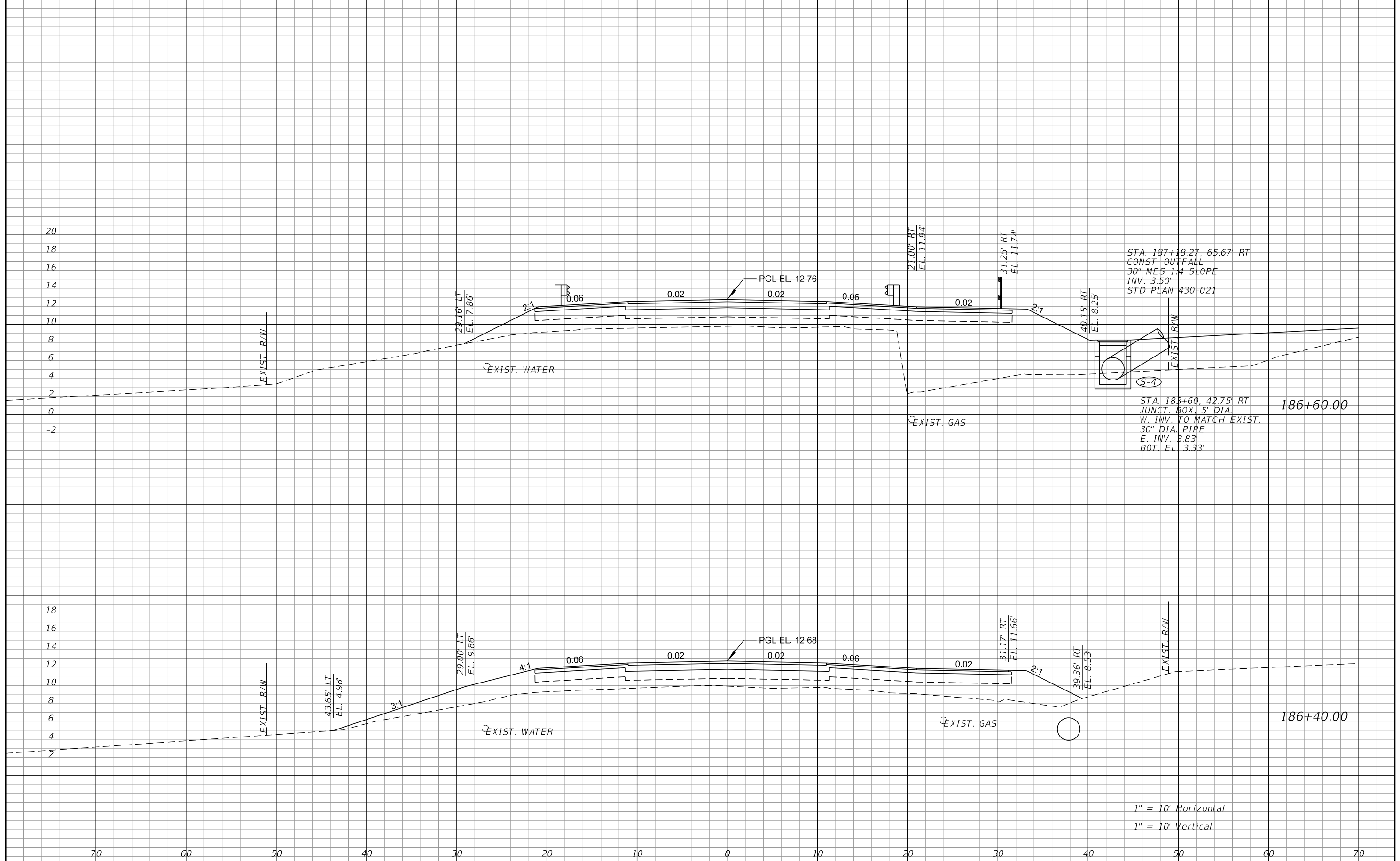
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 30A	WALTON	TWO 16-07



- NOTES:
1. PLACEMENT OF RIPRAP SHOWN IS APPROXIMATE. RIPRAP SHALL BE PLACED IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS AND CONFORM TO THE REQUIREMENTS FOR DITCH LINING CLASS RIPRAP. FILTER FABRIC SHALL BE USED UNDERNEATH ALL AREAS OF RIPRAP PLACEMENT AND SHALL BE PINNED TO THE SLOPE NO LESS THAN EVERY 24 INCHES. PLACEMENT OF RIPRAP SHALL BE ADJUSTED AS NECESSARY TO PROTECT THE TOE OF CHANNEL BOTTOM SLOPES AND SHALL EXTEND, AT A MINIMUM, TO THE EDGES OF ALL ABUTMENT AND A MINIMUM OF 20 FEET BEYOND THE LIMITS OF THE STRUCTURE. THE ESTIMATED QUANTITY OF RIPRAP IS 445 SQUARE YARDS AND SHALL BE AN AVERAGED DEPTH OF AT LEAST 1.5 FEET. PLACEMENT OF RIPRAP RUBBLE SHALL INCLUDE 1 FOOT OF BEDDING STONE OVER A GEOTEXTILE FABRIC.
 2. ALL DISTURBED AREAS SHALL BE SODDED WITH THE EXCEPTION OF THE EXCAVATED CHANNEL BOTTOM WHICH SHALL REMAIN NATURAL. SOD WHICH IS PLACED WITHIN 2 FEET OF THE WATER LINE SHALL BE PINNED IN PLACE.

REVISIONS				JOHN FIELDING, P.E., PTOE P.E. LICENSE NUMBER 79082 ATKINS NORTH AMERICA, INC. 1141 JACKSON AVE CHIPLEY, FL 32428 CERTIFICATE OF AUTHORIZATION 24	WALTON COUNTY PUBLIC WORKS DEPARTMENT			GRADING & EROSION CONTROL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT ID		
						30A	WALTON		TWO 17-06

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



STA. 187+18.27, 65.67' RT
 CONST. OUTFALL
 30" MES 1:4 SLOPE
 INV. 3.50'
 STD PLAN 430-021

STA. 183+60, 42.75' RT
 JUNCT. BOX, 5' DIA.
 W. INV. TO MATCH EXIST.
 30" DIA. PIPE
 E. INV. 3.83'
 BOT. EL. 3.33'

1" = 10' Horizontal
 1" = 10' Vertical

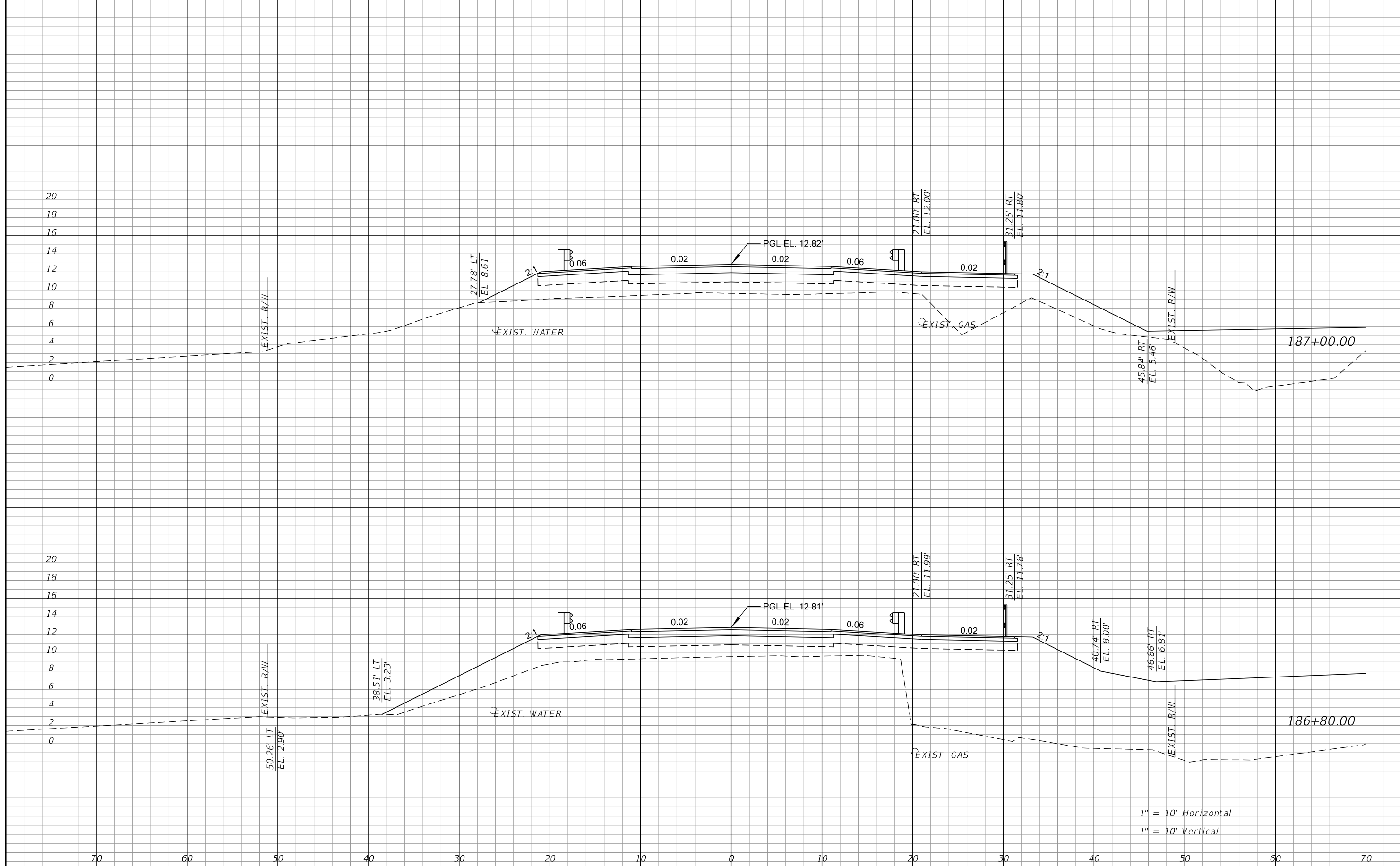
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN FIELDING, PE, PTOE
 P.E. LICENSE NUMBER 79082
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVE
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION 24

WALTON COUNTY DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
30A	WALTON	

**ALLIGATOR LAKE
 CROSS SECTIONS**

SHEET NO.
 26



1" = 10' Horizontal
 1" = 10' Vertical

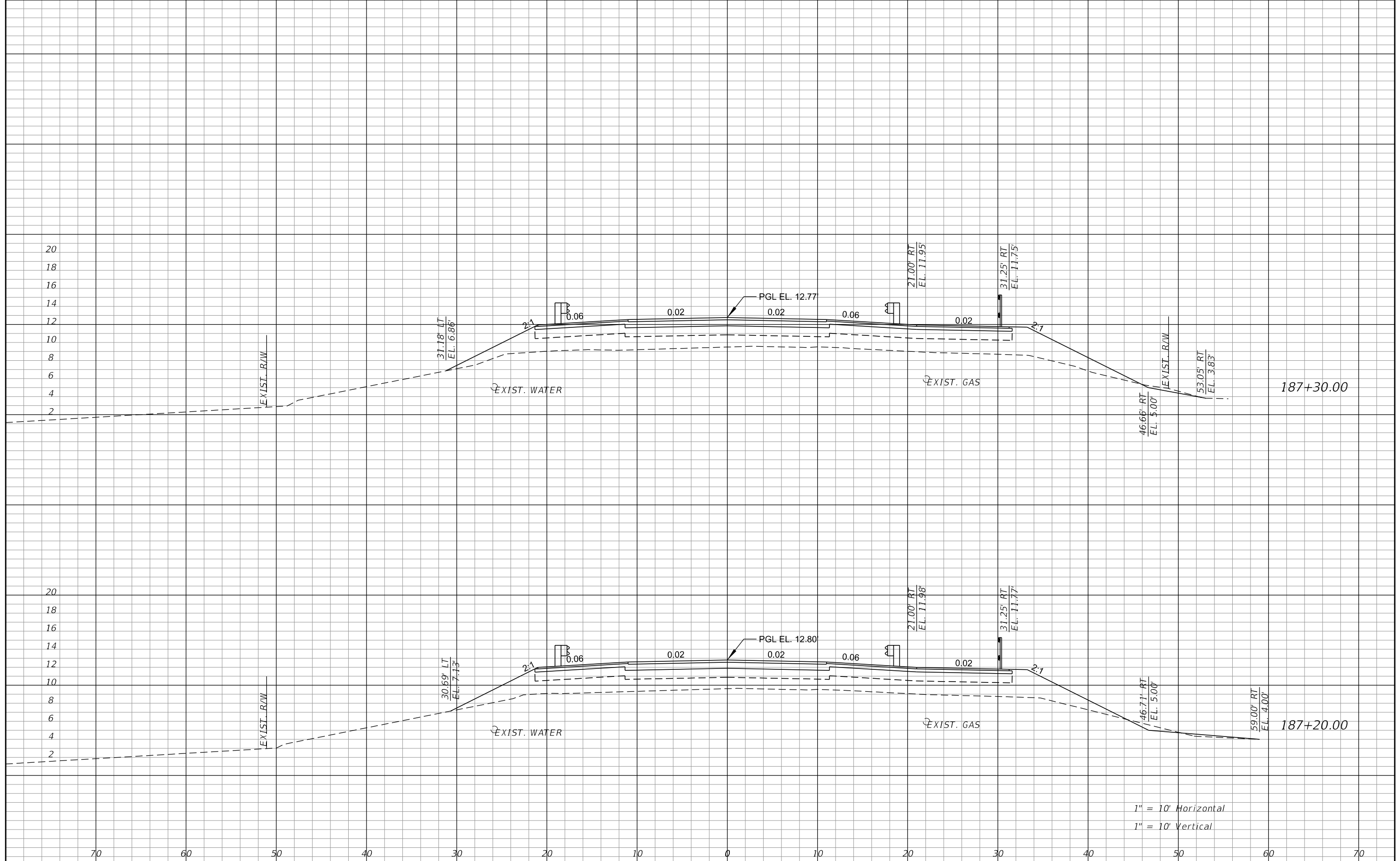
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN FIELDING, PE, PTOE
 P.E. LICENSE NUMBER 79082
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVE
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION 24

WALTON COUNTY DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
30A	WALTON	

**ALLIGATOR LAKE
 CROSS SECTIONS**

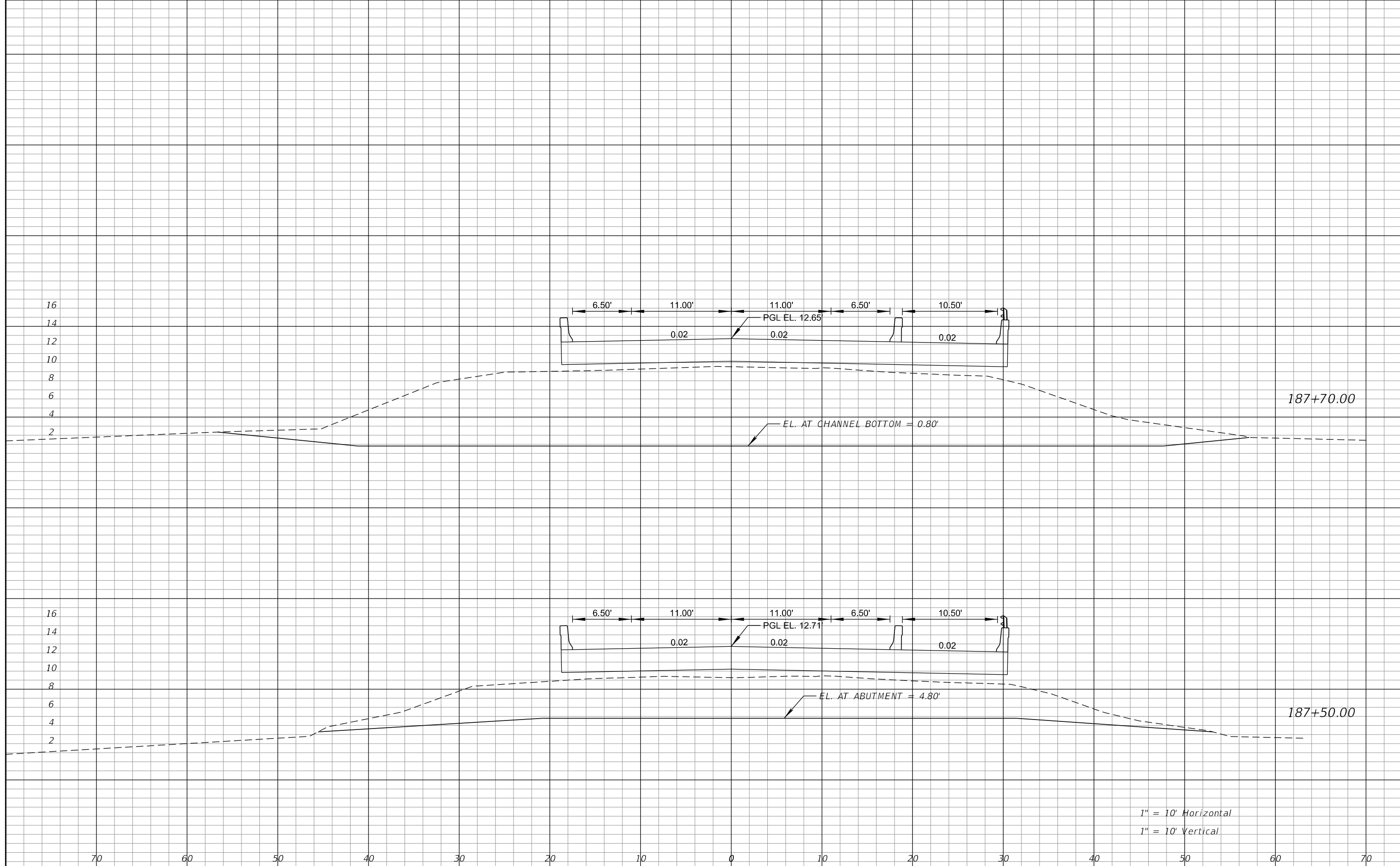
SHEET NO.
 27



1" = 10' Horizontal
 1" = 10' Vertical

REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

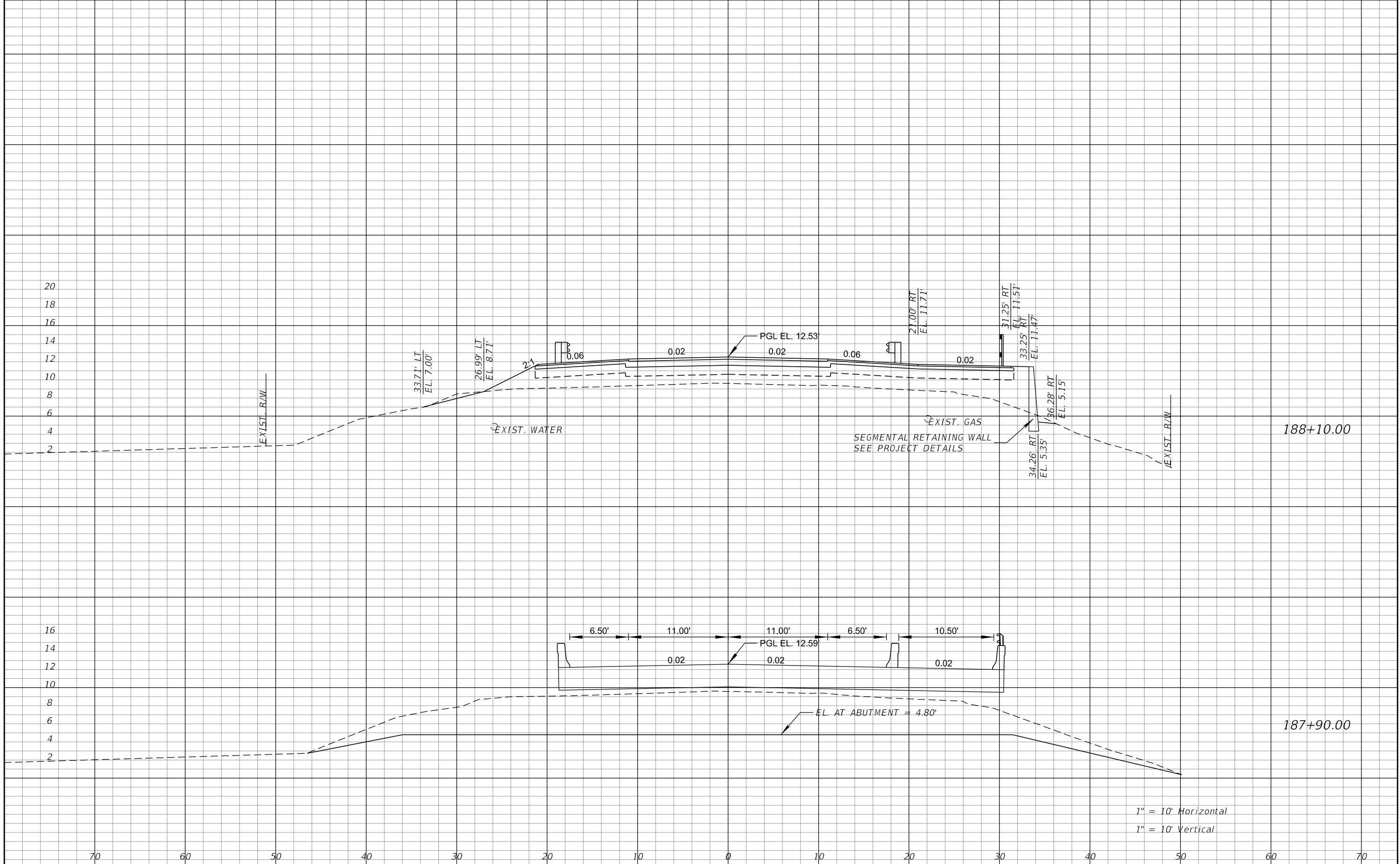
JOHN FIELDING, PE, PTOE P.E. LICENSE NUMBER 79082 ATKINS NORTH AMERICA, INC. 1141 JACKSON AVE CHIPLEY, FL 32428 CERTIFICATE OF AUTHORIZATION 24			WALTON COUNTY DEPARTMENT OF PUBLIC WORKS			<h2 style="margin: 0;">ALLIGATOR LAKE CROSS SECTIONS</h2>	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
30A	WALTON			28			



1" = 10' Horizontal
 1" = 10' Vertical

DATE		DESCRIPTION		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION

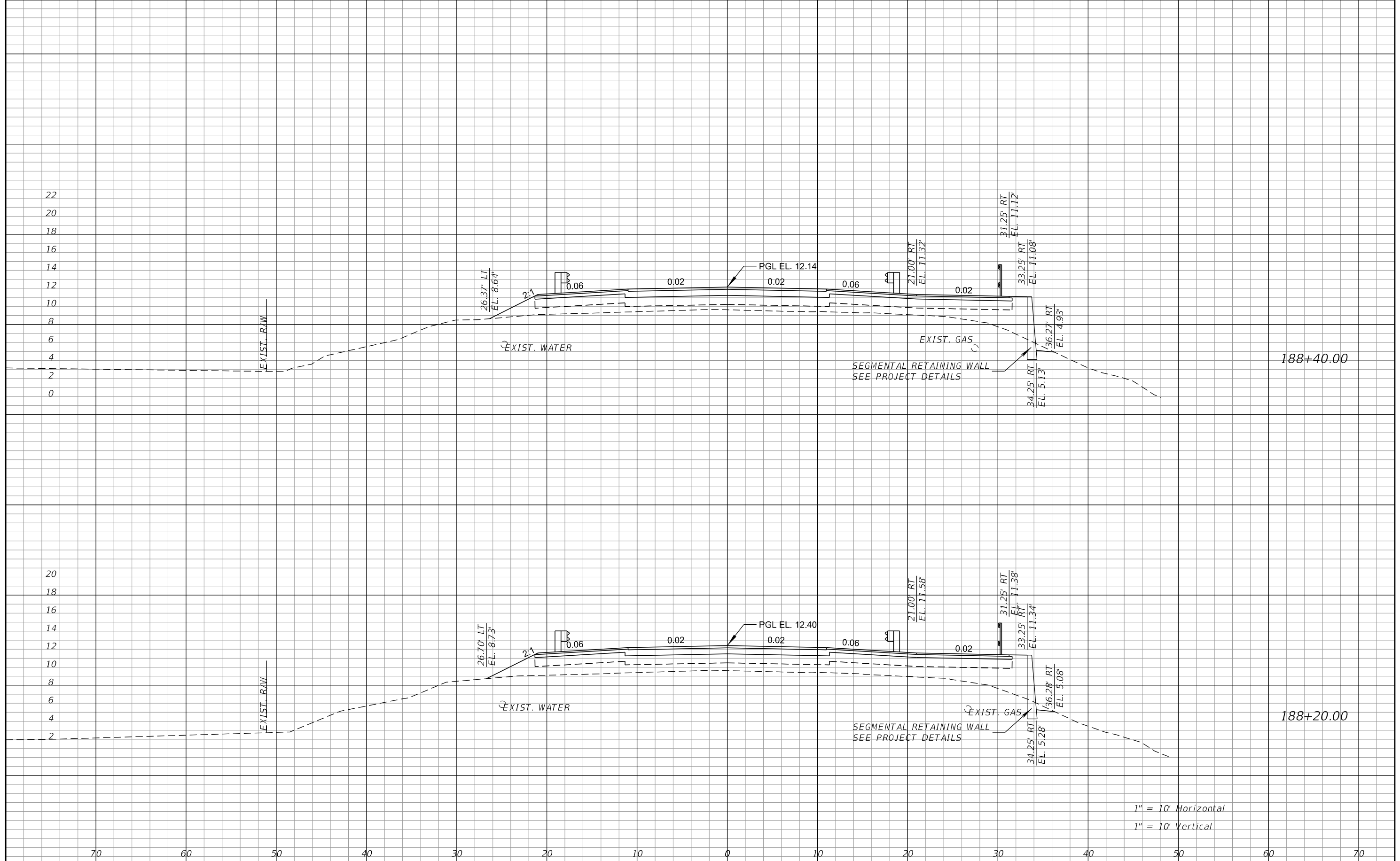
JOHN FIELDING, PE, PTOE P.E. LICENSE NUMBER 79082 ATKINS NORTH AMERICA, INC. 1141 JACKSON AVE CHIPLEY, FL 32428 CERTIFICATE OF AUTHORIZATION 24			WALTON COUNTY DEPARTMENT OF PUBLIC WORKS			ALLIGATOR LAKE CROSS SECTIONS	SHEET NO.
ROAD NO.		COUNTY		FINANCIAL PROJECT ID			29
30A		WALTON					



1" = 10' Horizontal
 1" = 10' Vertical

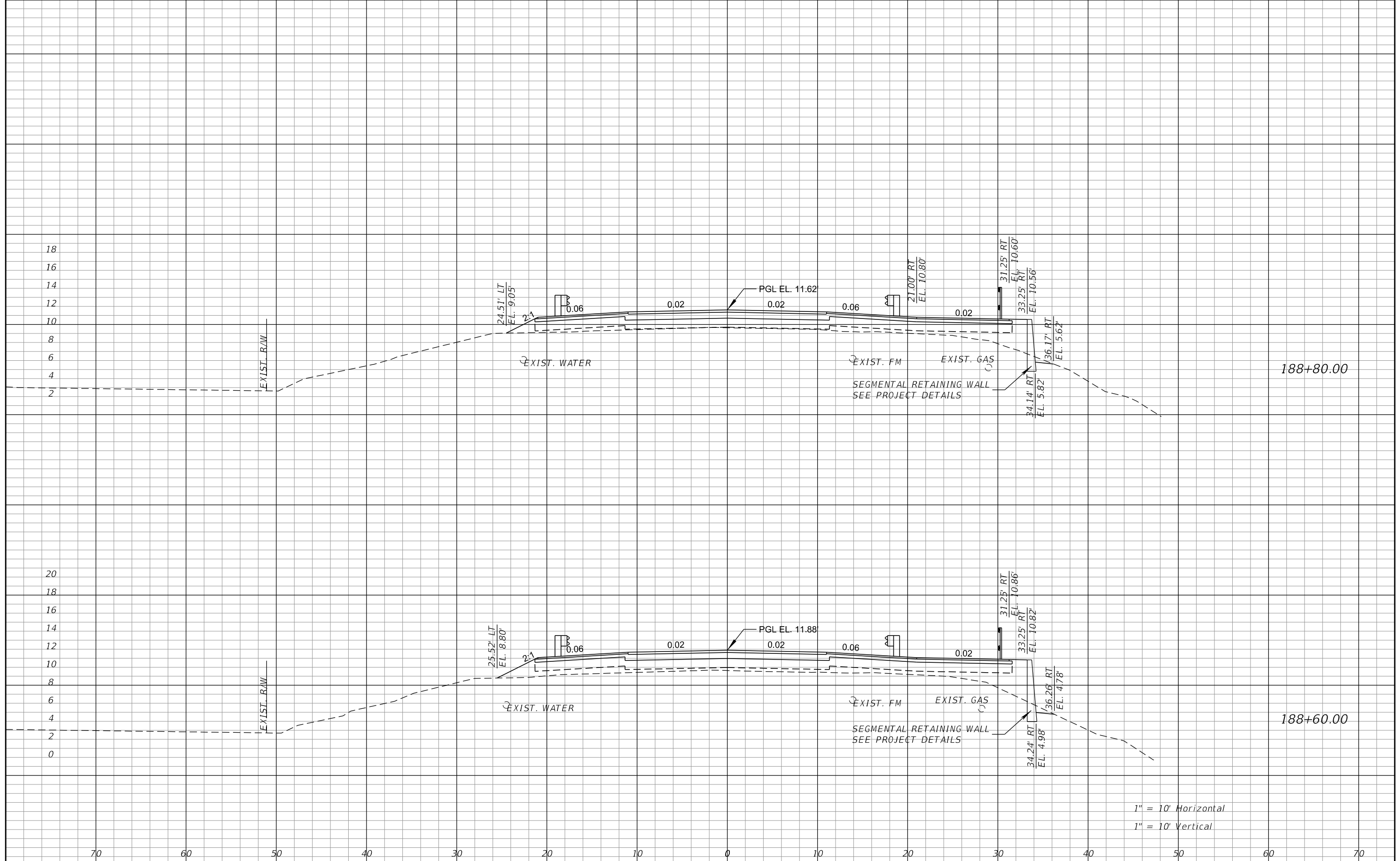
REVISIONS				WALTON COUNTY DEPARTMENT OF PUBLIC WORKS			ALLIGATOR LAKE CROSS SECTIONS	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				30A	WALTON			

JOHN FIELDING, PE, PTOE
 P.E. LICENSE NUMBER 79082
 ATKINS NORTH AMERICA, INC.
 1141 JACKSON AVE
 CHIPLEY, FL 32428
 CERTIFICATE OF AUTHORIZATION 24



1" = 10' Horizontal
 1" = 10' Vertical

REVISIONS		DESCRIPTION		JOHN FIELDING, PE, PTOE P.E. LICENSE NUMBER 79082 ATKINS NORTH AMERICA, INC. 1141 JACKSON AVE CHIPLEY, FL 32428 CERTIFICATE OF AUTHORIZATION 24	WALTON COUNTY DEPARTMENT OF PUBLIC WORKS			ALLIGATOR LAKE CROSS SECTIONS	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					30A	WALTON			

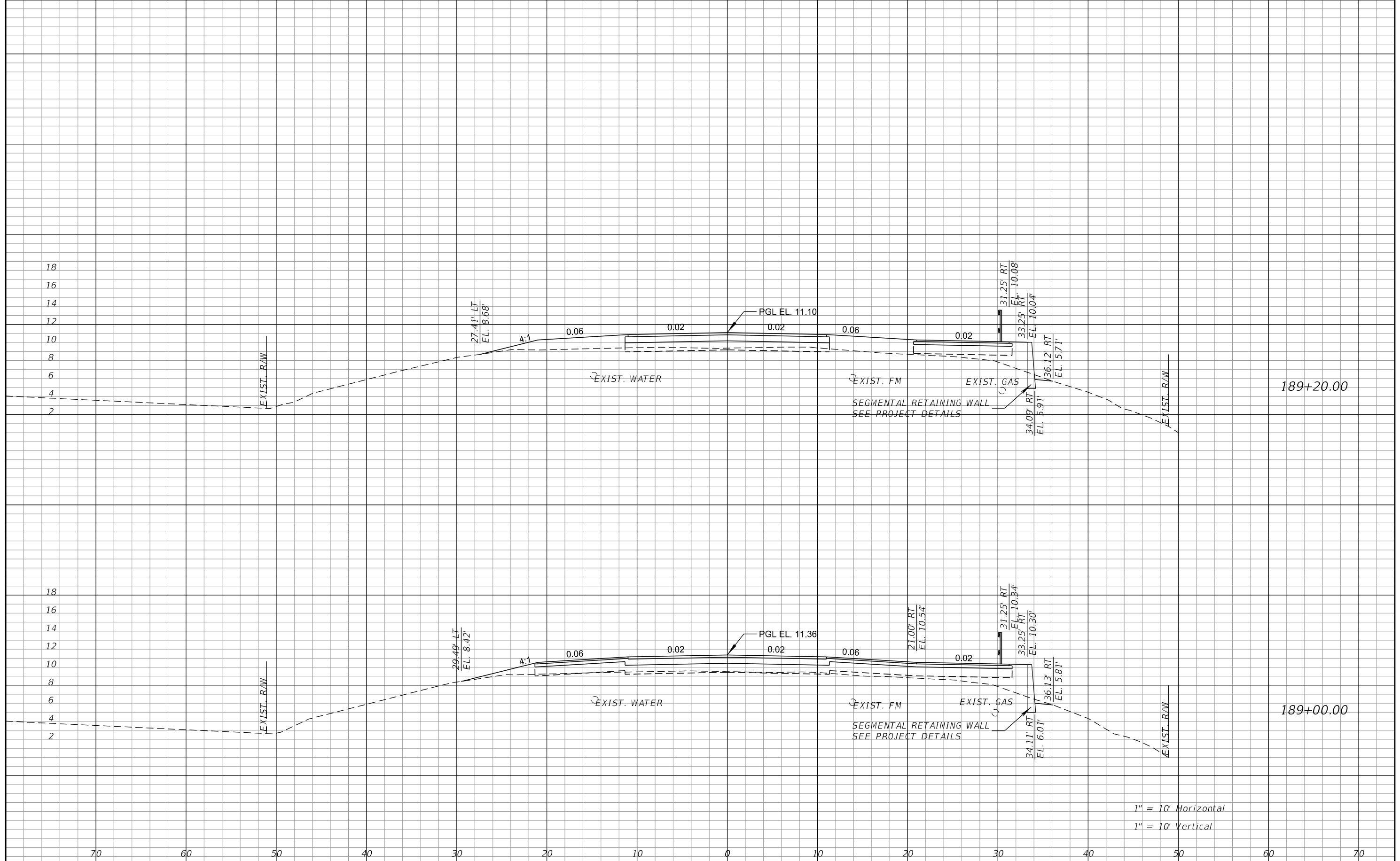


1" = 10' Horizontal
 1" = 10' Vertical

REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

JOHN FIELDING, PE, PTOE P.E. LICENSE NUMBER 79082 ATKINS NORTH AMERICA, INC. 1141 JACKSON AVE CHIPLEY, FL 32428 CERTIFICATE OF AUTHORIZATION 24			WALTON COUNTY DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
30A	WALTON				

ALLIGATOR LAKE CROSS SECTIONS		SHEET NO. 32
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1" = 10' Horizontal
1" = 10' Vertical

REVISIONS				JOHN FIELDING, PE, PTOE P.E. LICENSE NUMBER 79082 ATKINS NORTH AMERICA, INC. 1141 JACKSON AVE CHIPLEY, FL 32428 CERTIFICATE OF AUTHORIZATION 24	WALTON COUNTY DEPARTMENT OF PUBLIC WORKS			ALLIGATOR LAKE CROSS SECTIONS	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				30A	WALTON				