FLORIDA DEPARTMENT OF Environmental Protection

Northeast District
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North Florida Resiliency Connection

Environmental Resource Permit
State-owned Submerged Lands Authorization – Granted Pending Document Execution
U.S. Army Corps of Engineers Authorization – Separate Corps Authorization Required

Columbia, Suwannee, Madison, Jefferson, Leon, Gadsden, and Jackson Counties
Permit No. 12-0378587-001-EI
Easement No. 42401
BOT No. 120356542

Permit Issuance Date: July 31, 2020
Permit Construction Phase Expiration Date: July 31, 2025

Consolidated Environmental Resource Permit and Recommended Intent to Grant Sovereignty Submerged Lands Authorization

Permittee/Grantee: Gulf Power Company
Permit No. 12-0378587-001-EI

PROJECT LOCATION

The activities authorized by this permit and sovereignty submerged lands authorization are located between two terminal substations in north Florida. The transmission line will traverse from the existing FPL Raven Substation, in Columbia County, at Latitude 30° 39' 53.43" N / Longitude -84° 54' 6.32" W, through portions of Suwannee, Madison, Jefferson, Leon, and Gadsden counties, to the existing GPC Sinai Cemetery Substation, at Latitude 30° 9' 45.88" N / Longitude -82° 34' 20.22" W, in Jackson County.

PROJECT DESCRIPTION

The project is to construct a 176-mile, 161-kilovolt overhead aerial transmission line in northern Florida. The transmission line will traverse from the existing FPL Raven Substation in Columbia County, through portions of Suwannee, Madison, Jefferson, Leon, and Gadsden counties, to the existing GPC Sinai Cemetery Substation in Jackson County. The project will be constructed using existing roads for access where available; or by limited improvements of existing ground for access such as light grading, filling of potholes, tree trimming or removal; and/or by installing temporary construction mats for access, if necessary. Following construction, these areas will be restored to preconstruction contours. No new permanent patrol roads will be constructed. This project has been deemed clearly in the public interest as the North Florida Resiliency Connection (NFRC) line provides additional public safety through increased reliability.

Generally, the NFRC 161kV Transmission Line will follow existing linear facilities including FDOT (I-75, I-10, US90 and US41), local rural roads, and other utility corridors (Clay Electric Co-Op, City of Tallahassee and FGT). Generally, a 15-foot-wide easement will be required where the line is adjacent to non-limited access rights-of-way. Generally, a 60-foot-wide easement will be needed where the line is overland or adjacent to limited access rights-of-way. Total easement width varies along the transmission line corridor.

There will be five (5) temporary construction staging areas to be constructed for contractor trailers, staging and storing construction materials, and equipment. Each staging area, along with its perimeter road, will be constructed entirely at-grade on uplands with 6-inch deep surface material of #57 aggregate on geofabric. Except the perimeter road, the soil underneath the #57 aggregate will not be compacted; and a check dam system using an impervious, flexible water barrier will be installed within the aggregate along each 1-foot contour line. The design is to utilize voids between the aggregate to provide stormwater treatment volume greater than runoff from 1.0-inch of rainfall but no less than 0.5-inch of runoff over the contributing area; and recover the treatment volume through natural soil infiltration within 72 hours. In addition, a stormwater management system consisting of swales, ditches and dry retention pond(s) will be constructed for all five staging areas. The system provides runoff collection and boundary control, additional treatment, and attenuation for storm events up to 100-year frequency, 1-, 2-, 4-, 8-, 24-hour and 3-, 7-, and 10-day duration periods for Staging Areas

#2, #3 and #4, and 25-year frequency, 24-hour durations periods for Staging Area #5 and #8. Excess runoff will be discharged via a weir installed on each retention pond.

The staging areas will remain in place for the duration of the construction. Once construction is completed, each staging area will be returned to its preconstruction state. The following is a list of the staging areas:

Staging Area	Location	Site Area (acre)	Water Management District (WMD)
Staging Area #2	Suwannee Valley Road Lake City, Columbia County Parcel ID 25-2S-15-00093-000 Lat 30º 17’ 32” N / Long -82º 46’ 20” W	18.19	Suwannee River WMD
Staging Area #3	153rd Road Live Oak, Suwannee County Parcel ID 36-01S-12E-0981400.0000 Lat 30º 21’ 04” N / Long -83º 04’ 02” W	25.16	Suwannee River WMD
Staging Area #4	S. Dale Leslie Drive Madison, Madison County Parcel ID 21-1S-10-1290-001-000 Lat 30º 23’ 18” N / Long -83º 19’ 04” W	50.13	Suwannee River WMD
Staging Area #5	Campground Road Monticello, Jefferson County Parcel ID 14-1N-4E-0000-0042-0000 Lat 30º 28’ 50” N / Long -83º 53’ 59” W	18.67	Northwest Florida WMD
Staging Area #8	Flat Creek Road Chattahoochee, Gadsden County Parcel ID 2-35-3N-6W-0000-00220-0000 Lat 30º 36’ 32” N / Long -84º 48’ 47” W	8.86	Northwest Florida WMD

Additionally, there will be a fiber-optic telecommunication repeater station to be constructed at SW Overstreet Avenue, Greensville, Madison County, with Parcel ID 32-1N-07-2601-000-000, at Latitude 30º 26’ 19.2” / Longitude 83º 39’ 09.3”. The total site area is 0.15 acre, mainly including the station building, gravel yard and gravel access drive. Swales will be constructed for stormwater management.

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The permittee is authorized to install a 176-mile, 161-kilovolt overhead aerial transmission line within and over wetlands and tributaries associated with the following Class III waterbodies.

Map ID	Milepost	County	Waterbody Name	Easement Square Footage	Easement Acreage	Waterbody Designation
1	29.4	Suwannee	Rocky Creek	20,093	0.46	n/a
2	50.6	Suwannee/Madison	Suwannee River	17,940	0.41	OFW
3	83.9	Jefferson/Madison	Aucilla River	16,205	0.37	OFW
4	98.9	Jefferson	Coocksey Branch	984	0.02	n/a
5	109.8	Jefferson	St. Marks River	28,497	0.65	OFW
6	124.8	Leon	Munson Slough	27,529	0.63	n/a
7	137.6	Leon/ Gadsden	Ochlockonee River	5,176	0.12	OFW
8a	138.1	Gadsden	Midway Branch	829	0.02	OFW
8b	139.9	Gadsden	Midway Branch	11,186	0.26	n/a
9	145.4	Gadsden	Little River	7,590	0.17	n/a
10	169.2	Gadsden	Crooked Creek	915	0.02	n/a
11	170.7	Gadsden/ Jackson	Apalachicola River	46,978	1.08	OFW
12	172.8	Jackson	Spring Branch	166,689	3.83	n/a

OFW – Outstanding Florida Waterbody

The transmission line will be installed by methods described in the Wetland and Waterbody Access Construction Criteria Manual (attached) that was submitted to the Department by Gulf Power Company on March 19, 2020. The project includes the permanent conversion of 177.53 acres of forested freshwater wetlands to herbaceous wetland habitat, 41.6 acres of temporary impacts to non-forested wetlands, 7.46 acres of temporary impacts to forested wetlands, 4.01 acres of temporary impacts to surface waters, 0.03 acres of permanent impacts to non-forested wetlands and surface waters, 0.23 acres of permanent impacts to forested wetlands, for workspace necessary to complete boring and trenching activities. The temporary impact areas will be restored to pre-impact grades and allowed to naturally revegetate. Those activities include the use of approximately 8.04 acres of state-owned sovereignty submerged lands. Proof of Real Property Interest will be provided to the Department, in accordance with Section 4.2.3(d)3., AHVI. Authorized activities are depicted on the attached exhibits.

To offset unavoidable impacts that will occur from these authorized activities, the permittee shall purchase 15.91 freshwater forested credits from San Pedro Bay Mitigation Bank (FDEP Permit Number 28-261781) and 12.45 cypress/mixed hardwoods freshwater forested credits at St. Marks Mitigation Bank (FDEP Permit Number 295847-001). These mitigation credits reflect the 0.16 credits reserved from the St. Marks Mitigation Bank that are needed to offset the impacts to the St. Joe Hammock Creek Commerce Center conservation easement. The permittee will purchase 28.36 mitigation credits to offset the total functional loss of 27.86.

AUTHORIZATIONS
North Florida Resiliency Connection

Environmental Resource Permit
The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization
The activity is located on sovereignty submerged lands owned by the State of Florida. It therefore also requires authorization from the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), pursuant to Article X, Section 11 of the Florida Constitution, and Section 253.77, F.S. As staff to the Board of Trustees under Section 253.002, F.S., the Department has determined that the activity qualifies for and requires a public easement, as long as the work performed is located within the boundaries as described and is consistent with the terms and conditions herein.

The final documents required to execute the public easement will be sent to the permittee/grantee by the Department's Division of State Lands for execution. The Department intends to issue the public easement, upon satisfactory execution of those documents, including payment of required fees and compliance with the conditions in the previously issued Consolidated Intent to Issue public easement. **You may not begin construction of the activities described on sovereign submerged lands until you receive a copy of the executed private easement from the Department.**

Federal Authorization
Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit, and a **SEPARATE permit** or authorization **shall be required** from the U. S Army Corps of Engineers (Corps). You must apply separately to the Corps using the federal application form (ENG 4345). More information about Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook. **Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.**

Authority for review - an agreement with the U. S. Army Corps of Engineers entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection, or Duly Authorized Designee, State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

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

Water Quality Certification
This permit within the extent of detail provided, also constitutes a water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

Other Authorizations

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

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS

The activities described must be conducted in accordance with:

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

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, 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 as described.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

1. Prior to construction commencement in a project area property parcel, the permittee must acquire legal ownership or legal control of the project area as delineated in the permitted construction drawings, per Section 4.2.3(d) of the Environmental Resource Permit Applicant's Handbook Volume I. The required submittal shall be provided to the Department in a digital format (via electronic mail, CD or DVD, or through file transfer site) when practicable. The mailing address for the appropriate Department office is, Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256, and the electronic mail address is, DEP_NED@FloridaDEP.gov. All submittals shall include the project name and indicated permit number when referring to this project.

2. The permittee provided delineation maps of all wetland and surface water boundaries as part of the application to the Department. Permittee did not have legal control or legal ownership of all property parcels at the time of Department review. Prior to construction commencement in any wetlands located in any property parcel that the legal ownership or legal control was acquired after permit issuance, the parcel(s) will need to be verified by the Department to confirm the limits of

surface waters and wetlands. If a substantial deviation exists between the extent of wetland or surface water boundaries as verified by the Department with the application materials or permit, the applicant will apply for a permit modification. The Department will review parcels within 60 days of notification of access to the property parcel.

3. The terms, conditions, and provisions of the required easements shall be met. Construction of this activity shall not commence on sovereignty submerged lands, title to which is held by the Board of Trustees of the Internal Improvement Trust Fund, until all required easement documents have been executed to the satisfaction of the Department.

4. Prior to construction or crossings on State-Owned Uplands, authorization/permission from the State of Florida for proposed work on State-Owned Uplands must be obtained.

5. Prior to construction GPC must complete and obtain a programmatic agreement with the Division of Historical Resources for protection of significant historical and archeological resources.

6. Prior to construction, the of impact shall be clearly marked in a way which is visible and obvious to anyone performing work on-site, including someone operating heavy equipment. An orange construction fence or tall flagged stakes along the construction limits are possible methods.

7. 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, and seeding.

8. Prior to commencement of work authorized by this permit, the permittee shall provide written notification of the date of the commencement and proposed schedule of construction to the Department of Environmental Protection, Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

9. The permittee shall ensure all workers including, but not limited to, contract workers shall follow the best management practices, as outlined in the Wetland and Waterbody Access Construction Criteria Manual (attached) and appendixes submitted by Gulf Power Company to the Department on March 19, 2020.

10. If any construction de-watering is required, which results in an offsite discharge of groundwater, the permittee and/or the contractor shall ensure that the requirements of pertinent portions of Chapter 62-621, F.A.C., are met. Please contact FDEP Northeast District's wastewater permitting section at 904-256-1700.

11. The maximum width of the disturbed corridor, including temporary equipment access in wetlands and surface waters, shall not exceed the widths or locations depicted in the permit drawings.

12. Access through wetlands will require the use of equipment with tracks or low ground pressure tires, the temporary placement of mats over wetland areas, or the lifting of equipment over the wetland areas into the sites. No dredging or filling, other than placement of temporary construction mats, is authorized for access.

13. Temporary wooden, composite, metal or other non-earthen construction access mats may be used within the authorized construction corridor. If temporary construction mats are used, they shall be placed as close as practicable to the time equipment starts passage through, or work starts at each location along the alignment of the project, but in no cases shall the matts be placed more than seven days earlier then when equipment starts work or passage through that location. Mats shall be removed as soon as practicable after equipment has completed passage through, or work has been completed at each location along the alignment of the project, but in no case longer than seven days after equipment has completed work or passage through that location.

14. Storage or stockpiling of tools and materials (i.e., lumber, pilings, and debris) within wetlands, along the shoreline, within the littoral zone, or elsewhere within wetlands or other surface waters is prohibited. All vegetative material and debris shall be removed to a self-contained upland disposal area with no stockpiling of debris within wetland areas.

15. All trees felled or vegetation cleared in preparation for the permitted activities shall be removed from wetland or creek areas within 14 days of completion of the work authorized in this permit.

16. No construction or fill is authorized in the remaining un-impacted wetlands as indicated on the attached plan-view drawings.

17. Construction equipment shall not be repaired or refueled in wetlands or elsewhere within waters of the state, without prior approval from the Department. For questions or to request written approval, please contact the Northeast District Office at DEP_NED@FloridaDEP.gov, or at 904-256-1700.

18. 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.

19. Any damage to wetlands outside of the authorized impact areas as a result of construction shall be immediately reported to the Department at 904-256-1700 and repaired by reestablishing the preconstruction 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.

20. Wetland areas or waterbodies, which are outside the specific limits of construction authorized by this permit, must be protected from erosion, siltation, scouring and dewatering. There shall be no discharge in violation of the water quality standards in Chapter 62-302, Florida Administrative Code. Turbidity/erosion controls shall be installed prior to clearing, excavation or placement of fill material, shall be maintained until construction is completed, disturbed areas are

stabilized, and turbidity levels have fallen to less than 29 NTU's above background or to background levels within Outstanding Florida Waterbodies. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.

21. All disturbed wetland soils shall be regraded to natural contours following completion of the project.

22. Phased construction can include a partial certification.

SPECIFIC CONDITIONS – MITIGATION

23. Prior to any construction or impacts authorized by this permit, the permittee shall provide the Department with an **Allocation Letter** to document that 15.91 freshwater forested credits have been purchased and deducted from the credit ledger of the San Pedro Bay Mitigation Bank (FDEP Permit Number 28-261781) and 12.45 cypress/mixed hardwoods freshwater forested credits have been purchased and deducted from the credit ledger of the St. Marks Mitigation Bank (FDEP permit 295847-001).

SPECIFIC CONDITIONS – OTHER LISTED SPECIES

24. The permittee shall follow the below conditions for protection of the Florida Sandhill Crane and Wading Birds as outlined in the comment letter submitted by the Florida Fish and Wildlife Commission to the Department (FWC), dated January 3, 2020 (attached).

a) Florida Sandhill Crane
Based on the existing open fields and existing waterbodies adjacent to the proposed ROW, many areas along the eastern portion of the route may provide potential nesting habitat for this species. Proposed site plans indicate that construction may avoid these areas, however surveys for nesting Florida sandhill cranes shall be conducted prior to construction activities and during the December through August breeding season. For scheduling surveys, specific attention should be given to the February – April timeframes. If there is evidence of nesting during this period, the nest site shall be buffered by 400 feet to avoid disturbance by human activities. If nesting is discovered after construction has begun or if maintaining the recommended buffer is not possible, the applicant shall contact FWC staff identified in the comment letter to discuss potential permitting needs. Additional information and guidance for conducting Florida sandhill crane surveys can be found in the Florida Sandhill Crane Species Conservation Measures and Permitting Guidelines (https://myfwc.com/media/11565/final-florida-sandhill-crane-species-guidelines-2016.pdf). FWC staff would also like to note that Florida sandhill cranes do not nest in the same location every year, so if construction occurs over several years, it may be necessary to determine if nesting is occurring each year.

b) Wading Birds
The potential exists for wading bird nesting activity at several locations along the project corridor including FWC-documented rookeries (592131, 592132, and L5 Rookery. Specific surveys shall be conducted for wading birds in the 90 days prior to the commencement of any clearing, grading, or filling activities. Wading birds of concern include but are not

limited to the tricolored heron and little blue heron which nest from late March through August with a survey window of May 1 to June 30. Additional information and guidance for conducting surveys can be found in the Species Conservation Measures and Permitting Guidelines for state-threatened wading birds (https://myfwc.com/media/18634/threatenedwadingbirds-guidelines.pdf). If there is evidence of nesting during this period, wading bird nest sites shall be buffered by 100 meters (330 feet) to avoid disturbance by human activities. If nesting is discovered after site activities have begun, if the removal or trimming of trees with active nests is unavoidable, or if maintaining the recommended buffer is not possible, we recommend that the applicant contact the FWC staff identified below to discuss potential permitting alternatives.

During construction, vegetative communities including wetland forested mixed, mixed wetland hardwoods, gum swamps, and bay swamps will be permanently converted to herbaceous wetlands. This conversion may also create new potential habitat for wading birds and the following guidelines may be used to enhance this habitat within the development: Maintain vegetated visual buffers around nesting colonies and feeding areas to protect birds from human disturbance. Leave shrubs around the edges of ponds to provide nesting and foraging habitat and for bank stabilization. Minimize fertilizer, herbicide, and pesticide runoff into wetlands.

25. 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 to 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 – CONSTRUCTION COMPLETION

26. Unless authorized by a specific condition of this permit, all machinery, tools, cleared vegetation, trash, garbage and any other type of debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized in this permit.

27. Upon completion of construction, the permittee shall submit to the Department the Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase". The form shall be certified by a registered professional and serve to notify the Department that the project, or independent portion of the project, is completed and ready for inspection by the Department. The person completing Form 62-330.310(1), shall inform the Department if there are substantial deviations from the plans approved as part of the permit and include as-built drawings with the form.

28. The plans must be clearly labeled as "as-built" or "record" drawings and shall consist of the permitted drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. The permittee shall be responsible for correcting the deviations [as verified by a new certification using Form 62-330.310(1)]. If such deviations require

a modification of the permit under Rule 62-330.315, F.A.C., the permittee shall separately request a modification to the permit, which must be issued by the Department prior to the Department approving the request to convert.

29. When projects authorized by the permit are to be constructed in phases, each phase or independent portion of the permitted project must be completed, and the permittee must have submitted Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase," in accordance with subparagraph 62-330.350(1)(f)2., F.A.C., certifying as to such completion prior to the use of that phase or independent portion of the project. The request for conversion to the operating phase for any phase or independent portion of the permitted project shall occur before construction of any future work that may rely on that infrastructure for conveyance and water quality treatment and attenuation

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

30. In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all stormwater management systems, dams, impoundments, reservoirs, appurtenant works, or works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity. The operation and maintenance shall also be in accordance the designs, plans, calculations, and other specifications that are submitted with an application, approved by the Department, and incorporated as a condition into any permit issued.

31. A registered professional shall perform inspections every three (3) years after conversion of the permit to the operation and maintenance phase to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation that may endanger public health, safety, or welfare, or the water resources, and to ensure that systems are functioning as designed and permitted. Within 30 days of the inspection, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification".

32. The permittee shall conduct periodic inspections in addition to the annual inspections, especially after heavy rain. The permittee shall maintain a record of each inspection, including the date of inspection, the name and contact information of the inspector, whether the system was functioning as designed and permitted, and make such record available upon request of the Department. Within 30 days of any failure of any system or deviation from the permit, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

33. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:

a. Inspection of swales, ditches, pipes and structures for damage and blockage;
b. Removal of trash, debris and sediments from the swales, ditches and dry retention basins;
c. Mowing and removal of clippings;
d. Stabilization and restoration of eroded areas and slopes;

e. Maintenance of overland flow areas to prevent channelization; and
f. Check for any indication of sinkhole development and repair of any sinkhole or solution pipe that develops in the system.

SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS

34. Progress reports for the project shall be submitted to the Department (Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256, or by email at DEP_NED@FloridaDEP.gov) at the beginning, when work commences and shall continue to be submitted on a quarterly basis until construction of the permitted project and mitigation is complete and successful. The cover page shall indicate the permit number, project name, and the Permittee name. Progress reports shall be submitted to the Department, even if there is no ongoing construction. Reports shall include the current project status and the construction schedule for the upcoming quarter.

The reports shall include the following:

a. Date permitted activity was begun; if work has not begun on-site, please indicate.
b. Brief description of the work (i.e., portions of transmission line installed, restoration complete, maintenance activities, and monitoring) completed since the previous report or since permit was issued. Provide initially, one full set of numbered aerials or quad maps. Refer to these maps by number to indicate locations where there is ongoing construction or has been completed. Subsequent reports should refer to the same master set of maps, with accompanying tables and other relevant information.
c. Brief description and extent of work (i.e., portions of pipeline installed, restoration complete, maintenance activities, and monitoring) anticipated in the next three (3) months. Refer to the above master set of maps to document the location of the anticipated construction.
d. This report shall include on the first page, the certification of the following statement by the individual who supervised the preparation of the report: “This report represents a true and accurate description of the activities conducted during a 3-month period covered by this report.”
e. Summary of incidents of water quality violations which have occurred prior to successful ground stabilization.

35. The permittee shall be responsible for daily inspection of all measures of best management practices during all phases of construction authorized by this permit.

36. Turbidity Monitoring. 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 (4) hours, one (1) foot above the bottom, mid-depth, and one (1) 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 sample 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.)

37. If monitoring reveals turbidity levels greater than or equal to the turbidity limits contained in Specific Condition 20, the permittee shall take the following measures:

a. Immediately cease all work contributing to the water quality violation. Work which may contribute to the violation shall not resume until corrective measures have been taken and turbidity levels have returned to acceptable levels; and
b. Stabilize exposed soils contributing to the violation. Modify work procedures responsible for the violation, install additional turbidity containment devices, repair nonfunctioning turbidity containment devices; and
c. Increase monitoring frequency to every two (2) hours until turbidity levels are within acceptable limits as specified in Specific Condition 20. Interim samples collected following the violation(s) shall be collected in the same manner and locations as the routine monitoring. Operations may not resume until the water quality standard for turbidity has returned.
d. The violation(s) shall be immediately reported to the Department. The report shall include the description of the corrective actions being taken or proposed to be taken. The report shall be made to the Department as soon as normal business hours resume if violation(s) are noted after normal business hours, on holidays, or on weekends. A copy of the monitoring data sheets, which indicate violation(s), shall be forwarded immediately to the Department. Failure to report violation(s) or to follow correct procedures before resuming work, shall constitute grounds for permit revocation.

SPECIFIC CONDITIONS – RESTORATION / CONVERSION REQUIREMENTS

38. The Department's approval of the restoration plans pursuant to this permit does not constitute a finding by the Department the restoration will meet the required success criteria. The permittee acknowledges its obligation to meet the intent of the permit regarding the restoration objective until the restoration is determined by the Department to be successful.

39. All wetlands disturbed by activities authorized by this permit shall be returned to the prior conditions within 14 days of completion of the work. This includes, but is not limited to, regrading ruts, raking dried native material, etc.

40. A "Time Zero" Monitoring Report shall be submitted within 30 days of completion of restoration of the impacted areas and shall include the following:

a. Date the restoration was completed;
b. Color photographs to provide an accurate representation of each restoration area. The photographs shall be taken from fixed reference points and directions which are shown on a scaled plan view.

41. Restoration Monitoring Reports shall be submitted to the District office for a minimum of annually for the first, second, third, fourth and fifth years or until all wetlands have met the requirements of Specific Condition No. 45.

42. Subsequent Restoration Monitoring Reports shall include the following for each restoration area: (Data shall be submitted in tabular form; subsample number and size shall be determined by a statistically valid method.)

a. Color photographic prints taken from the reference points established in the Time Zero Monitoring Report.

b. Detailed description of statistical methods used which must include the following:

i. Subsample method and map of sampling locations.

ii. Method used to determine percent cover and growth.

iii. Statistical analyses used.

c. Total percent cover by herbaceous species.

d. Plant species composition with estimates of the contribution of each species to percent cover.

e. Description of the pertinent climatological conditions preceding the monitoring event.

f. Description of the soil moisture condition in the restoration areas, i.e., soil appears dry, saturated with water or with so many inches of standing water.

g. Photocopy of the field notes depicting the raw data collected.

43. The responsibility to assess if the restoration is meeting the permit-specified success criteria shall not fall solely on the Department. In the event the permittee becomes aware restoration is not meeting the success criteria (based on either site observations or review of monitoring reports), the permittee, no later than 6 months before the permit construction phase expiration date, shall be responsible to submit an alternative restoration plan, including supplemental plantings with native wetland species, to the Department for review and approval; The permittee shall implement the alternative restoration plan no later than 60 days after receiving Department approval.

44. Permittee shall meet the restoration success criteria, as defined in permit specific condition No. 45, if the permit has expired or if the Department fails to require the permittee to develop an alternative restoration program as provided below.

45. The restoration shall be deemed successful when the following criteria has been continuously met for a period of at least one (1) year, without intervention in the form of irrigation, removal of undesirable vegetation, or replanting of desirable vegetation:

a. Naturally recruited native wetland species have achieved a minimum 80% cover or a coverage comparable to immediately adjacent non-impacted areas.

b. Total contribution to percent cover by non-native wetland species and species not listed in 62-340.450, F.A.C. shall be maintained below 20%.

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, 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 practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one (1) acre of construction that also require a NPDES Stormwater Construction General Permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
b. For all other activities – "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].
c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:

   a. Prior to sales of any lot or unit served by the activity and within one (1) year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
   b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:

   a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
   b. Convey to the permittee or create in the permittee any interest in real property;
   c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
   d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

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

12. The permittee shall notify the Agency in writing:

   a. Immediately, if any previously submitted information is discovered to be inaccurate; and
   b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340,

F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at 850-245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resource's assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1) above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in Rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

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

Judicial Review
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Gregory J. Strong
District Director
Northeast District Office

GJS:tgk

Attachments:
Exhibit 1, Final Combined Engineering Design Plan Set, 34 pages
Exhibit 2, Wetlands Impacts Maps by County, 302 pages
FWC Comments, 6 pages
Wetland and Waterbody Access Construction Criteria Manual, 30 pages
Construction Commencement Notice/Form 62-330.350(1)
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)
Request to Transfer Permit/Form 62-330.340(1)
Operation and Maintenance Inspection Certification/Form 62-330.311(1)

Copies furnished to:

Michael G. Spoor, Gulf Power Company, Mike.G.Spoor@nexteraenergy.com
Michael Leahy, Pickett and Associates, Inc., mleahy@pickettusa.com
Jude Dawson, Environmental Consulting & Technology, Inc., jdawson@ectinc.com
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Timothy Rach, FDEP, Timothy.Rach@FloridaDEP.gov
Jason Hight, FWC, Jason.Hight@MyFWC.com

File

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit and authorization to use sovereignty submerged lands, including all copies, were mailed before the close of business on July 31, 2020, to the above listed persons.

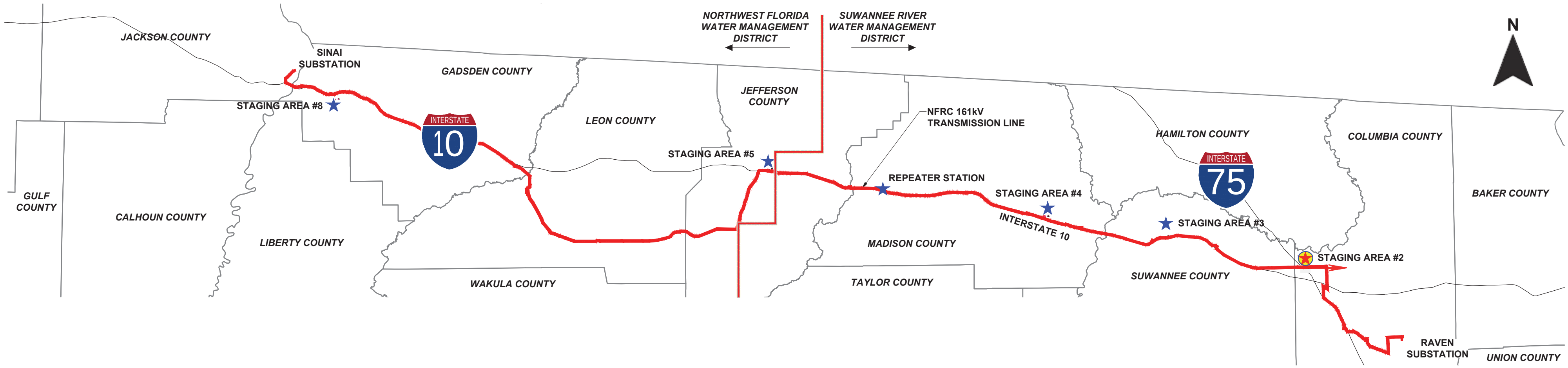
FILING AND ACKNOWLEDGMENT

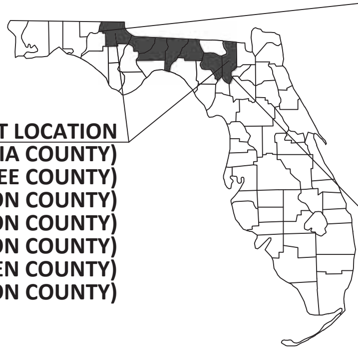
FILED, on this date, under 120.52(7) of the
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

Clerk — July 31, 2020
Date

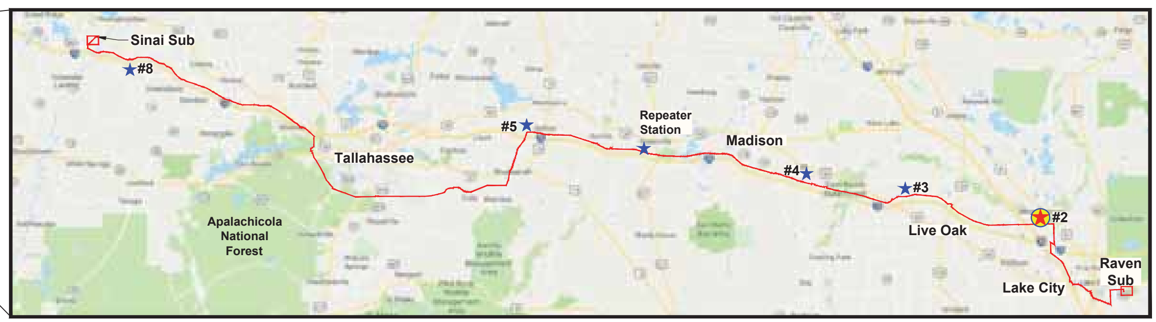
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 2
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)



LEGEND

- PROPOSED STAGING AREAS & REPEATER STATION

C O N T E N T S

NOTICE:
CONTRACTOR SHALL VERIFY ALL CONDITIONS ON JOB SITE & NOTIFY PROJECT MANAGER AND ENGINEER OF ANY VARIATIONS FROM DIMENSIONS SHOWN ON THESE DRAWINGS BEFORE PROCEEDING WITH ANY CONSTRUCTION.

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED UNDER MY DIRECTION ON THE DATE SHOWN BASED ON THE INFORMATION FURNISHED TO ME AS NOTED AND CONFORMS TO ACCEPTED ENGINEERING PRACTICES IN THE STATE OF FLORIDA PURSUANT TO SECTION 471,FLORIDA STATUTES IN ADDITION TO THE BEST OF THIS ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

Michael Leahy, P.E., P.S.M. Digitally signed by Michael Leahy, P.E., P.S.M. Date: 2020.03.31 23:41:08 -04'00'

1. This document has been electronically signed and sealed by Michael Leahy, P.E., P.S.M. using a Digital Signature and date.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Know what's below. before you dig.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: 25-2S-15E
DRAFTER: GCC	CHECKED: JJB	COUNTY: COLUMBIA
SHEET: 1 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg PLOT DATE/TIME: 3/25/2020 - 5:03pm BY: Josh Baker

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 2
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #2 - COLUMBIA COUNTY - SRWMD
SUWANNEE VALLEY ROAD, LAKE CITY, FL
PID 25-2S-15-00093-000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 2 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 2 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITIION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 2 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 2 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF SUWANNEE VALLEY ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 2 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 2 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. **NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..**
2. **ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.**
3. **SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.**
4. **NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.**
5. **THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.**
6. **PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.**

CONSTRUCTION NOTES:

1. **CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.**
2. **CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.**
3. **CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.**
4. **CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.**
5. **IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.**

FLOOD ZONE NOTES:

1. **FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:**

   MAP NUMBER 12023C0167D (DATED 11-02-18)

2. **APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:**

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

NOTICE:
CONTRACTOR SHALL VERIFY ALL CONDITIONS ON JOB SITE & NOTIFY PROJECT MANAGER AND ENGINEER OF ANY VARIATIONS FROM DIMENSIONS SHOWN ON THESE DRAWINGS BEFORE PROCEEDING WITH ANY CONSTRUCTION.

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED UNDER MY DIRECTION ON THE DATE SHOWN BASED ON THE INFORMATION FURNISHED TO ME AS NOTED AND IN CONFORMS TO ACCEPTED ENGINEERING PRACTICE IN THE STATE OF FLORIDA PURSUANT TO SECTION 471, FLORIDA STATUTES. IN ADDITION TO THE BEST OF THIS ENGINEER'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.

STATE OF FLORIDA
MICHAEL K. LEAHY
LICENSED PROFESSIONAL ENGINEER
PROFESSIONAL SURVEYOR & MAPPER
03-28-20

1. This document has been electronically signed and sealed by Michael Leahy, P.E., P.S.M. using a Digital Signature and date.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL | SECTION: 25-2S-15E
DRAFTER: GCC | CHECKED: JJB | COUNTY: COLUMBIA
SHEET: 2 OF 6 | FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg PLOT DATE/TIME: 3/25/2020 - 5:03pm BY: Josh Baker

FPL 028851
20210015-EI

Staging Area #2 - Columbia County - SRWMD
SUWANNEE Valley Road, Lake City, FL
PID 25-2S-15-00093-000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS

△3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 9.85 ACRES
GRAVEL DRIVE	± 2.03 ACRES
STORM PONDS	± 3.18 ACRES
OPEN/UNDEVELOPED	± 3.13 ACRES
TOTAL SITE AREA	± 18.19 ACRES

Table 4: Pond Storage Data

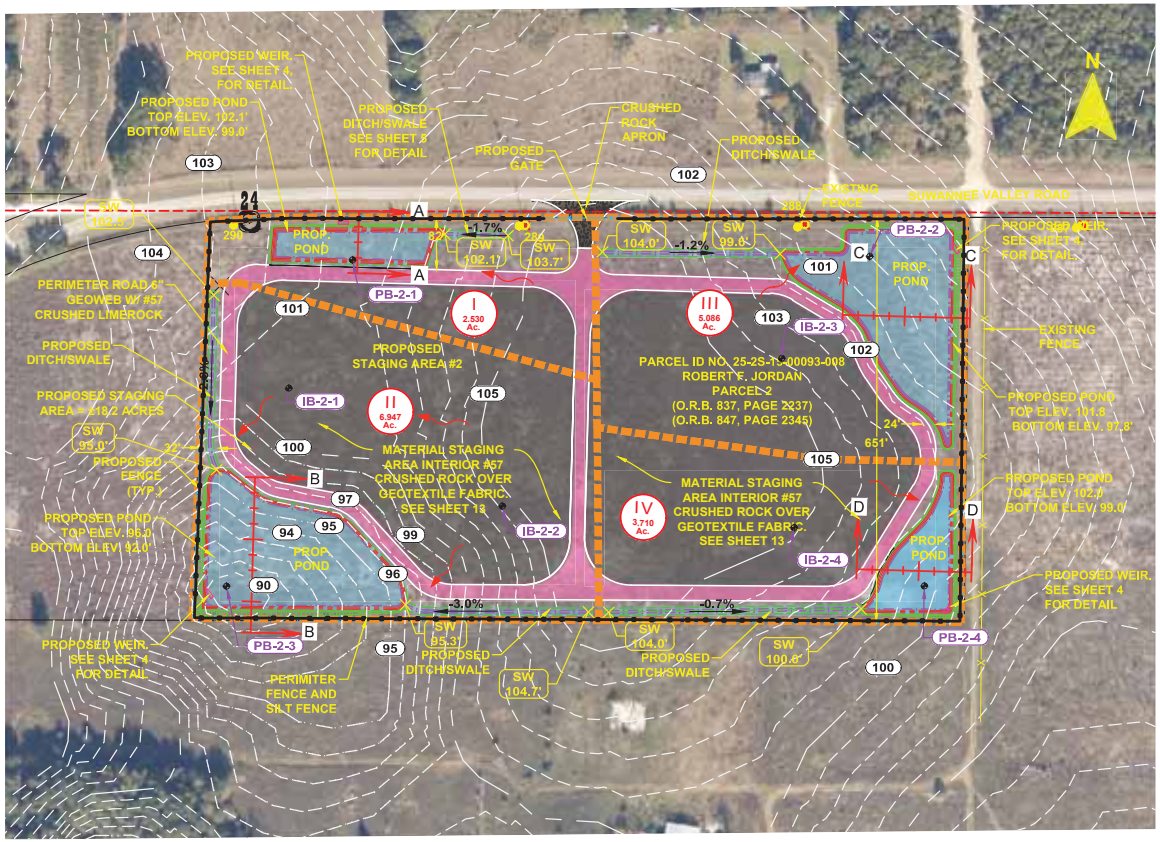
Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Q_{max} (cfs)
I	Top of Pond	102.1	0.37	3.07	24.53
	Peak Water Elev.	101.1			
	Weir Elev.	100.5			
	Bottom of Pond	97.5	0.24		
II	Top of Pond	96.0	1.20	4.10	13.40
	Peak Water Elev.	94.9			
	Weir Elev.	94.5			
	Bottom of Pond	92.0	1.03		
III	Top of Pond	101.8	1.17	3.89	1.92
	Peak Water Elev.	100.8			
	Weir Elev.	100.7			
	Bottom of Pond	97.8	0.97		
IV	Top of Pond	102.0	0.44	1.28	19.86
	Peak Water Elev.	101.0			
	Weir Elev.	100.3			
	Bottom of Pond	98.0	0.32		

△3

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
I	0.11	0.15	Not Accounted in Treatment Calculation	6
II	0.55	0.73	Not Accounted in Treatment Calculation	60
III	0.24	0.43	Not Accounted in Treatment Calculation	12
IV	0.17	0.42	Not Accounted in Treatment Calculation	12

△3



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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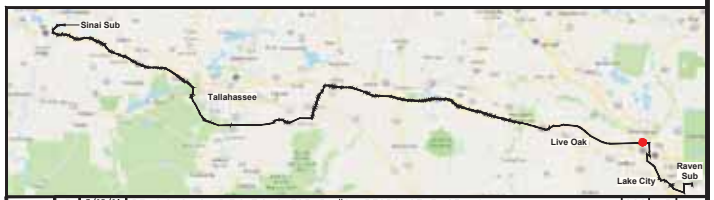
STATE OF FLORIDA
03-31-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 42287
PROFESSIONAL SURVEYOR & MAPPER No. 6508

0 100 200
1 INCH = 200 FEET



NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: 1" = 200'
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: COLUMBIA
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

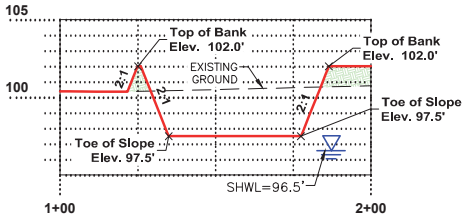
STAGING AREA NO. 2 SITE PLAN EXHIBIT

FPL 028852
20210015-EI

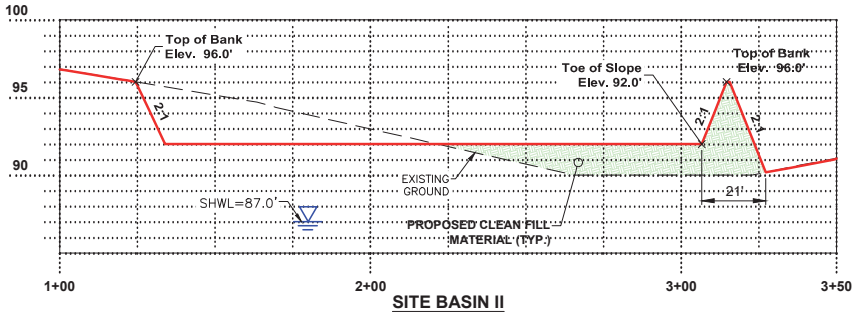
CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg
PLOT DATE/TIME: 3/25/2020 - 5:04pm BY: Josh Baker

Staging Area #2 - Columbia County - SRWMD
Suwannee Valley Road, Lake City, FL
PID 25-2S-15-00093-000

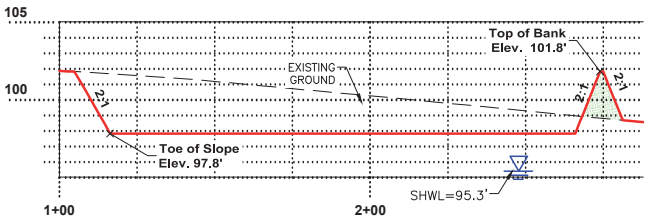
SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



SITE BASIN I
CROSS SECTION VIEW A-A
LOOKING EAST
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN II
CROSS SECTION VIEW B-B
LOOKING EAST
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN III
CROSS SECTION VIEW C-C
LOOKING NORTH
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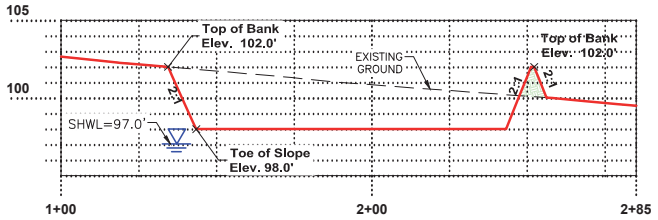
VERT. SCALE = 1" = 8'



SITE BASIN IV
CROSS SECTION VIEW D-D
LOOKING NORTH
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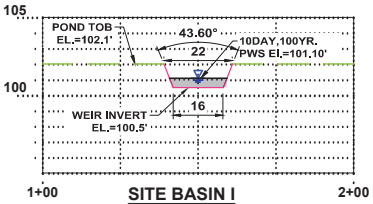
VERT. SCALE = 1" = 8'



SITE BASIN I
WEIR CROSS SECTION
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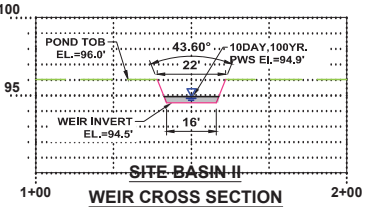
VERT. SCALE = 1" = 8'



SITE BASIN II
WEIR CROSS SECTION
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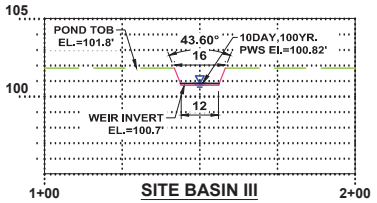
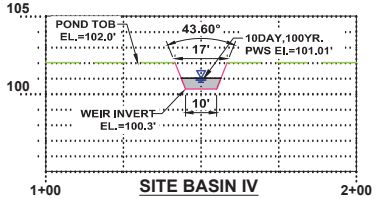
VERT. SCALE = 1" = 8'



SITE BASIN III
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN IV
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'

GENERAL NOTES:

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LEGEND

EXISTING GROUND
PROPOSED GROUND

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STATE OF FLORIDA
MICHAEL K. LEAHY
LICENSE NO. 67287
PROFESSIONAL SURVEYOR & MAPPER
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 67287
PROFESSIONAL SURVEYOR & MAPPER NO. 6467

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

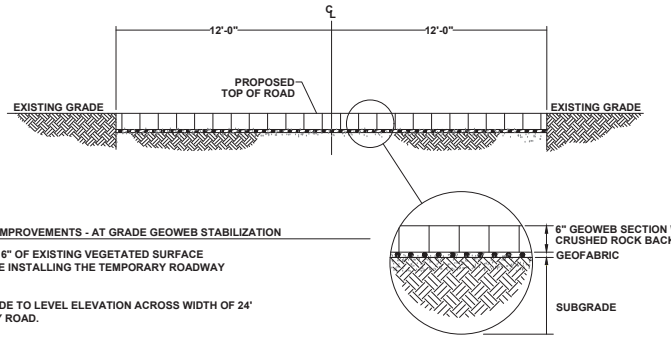
NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 4 OF 6
SECTION: AS SHOWN
COUNTY: COLUMBIA
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

FPL 028853
20210015-EI

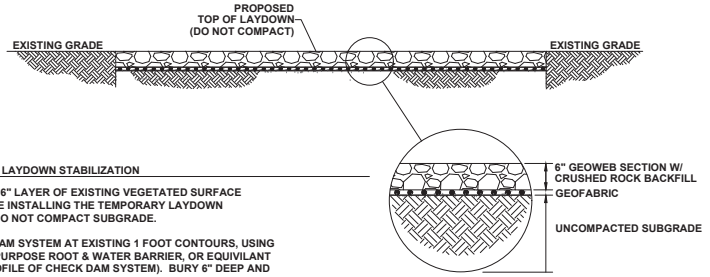


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

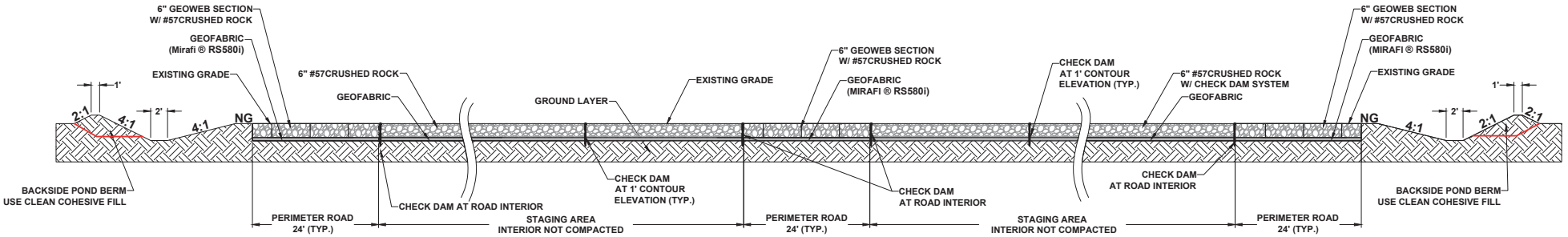


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

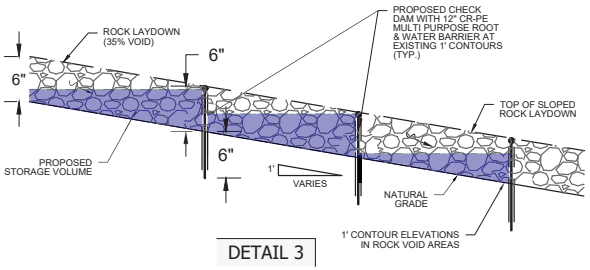
DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



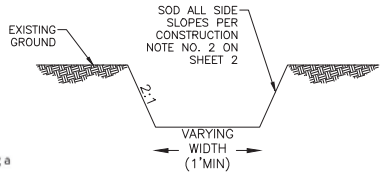
DETAIL 4

TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 5

STANDARD SWALE CROSS SECTION

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STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 46287
PROFESSIONAL SURVEYOR AND MAPPER NO. 5967
03-28-20

REVISIONS AND RECORD OF ISSUE					
NO	DATE		BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREAS SITE PLANS EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

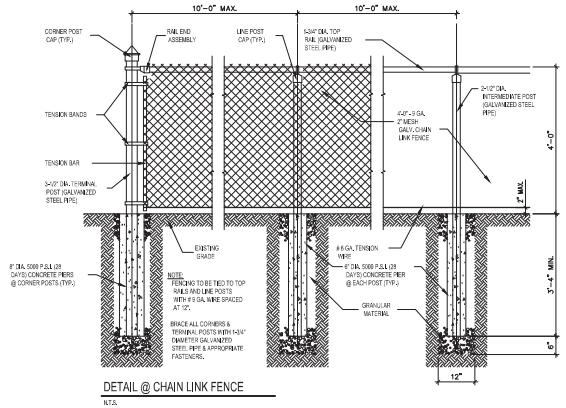
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 5 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

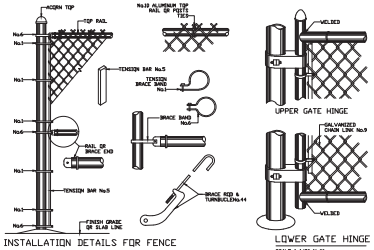
STAGING AREA NO. 2
SITE PLAN EXHIBIT

FPL 028854
20210015-EI

PERIMETER FENCE DETAILS



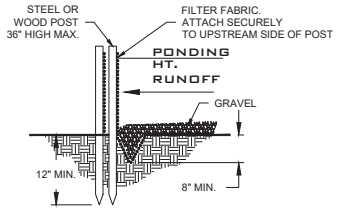
DETAIL @ CHAIN LINK FENCE
N.T.S.



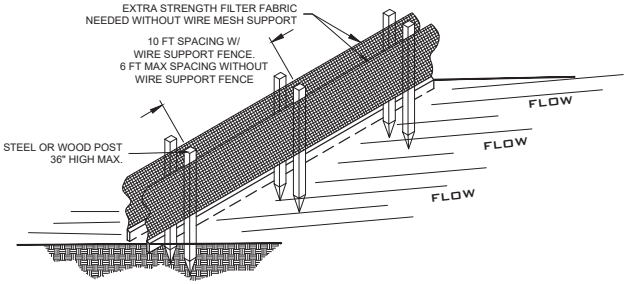
INSTALLATION DETAILS FOR FENCE

CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA
PROFESSIONAL ENGINEER
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSE OF PROFESSIONAL ENGINEER, No. 46287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREAS SITE PLANS EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 6 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

FPL 028855
20210015-EI

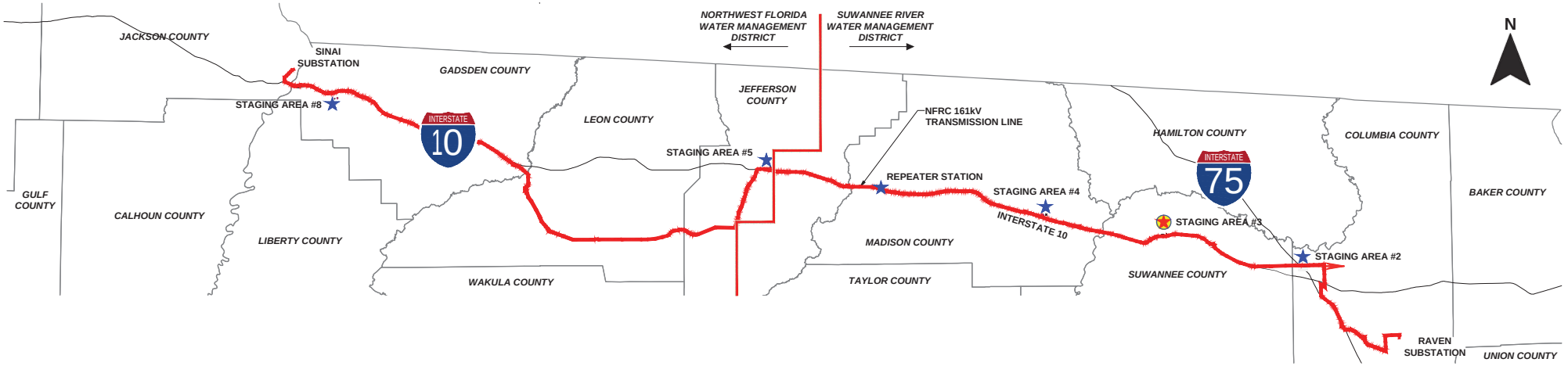
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg PLOT DATE/TIME: 3/25/2020 - 5:06pm BY: Josh Baker

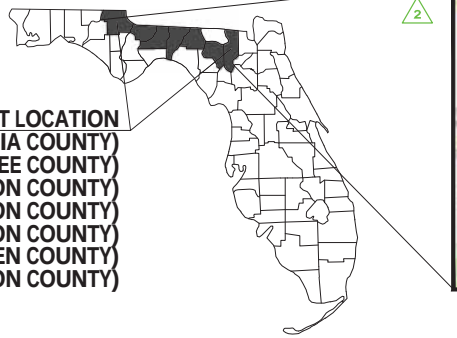
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

TEMPORARY STAGING AREA NO. 3

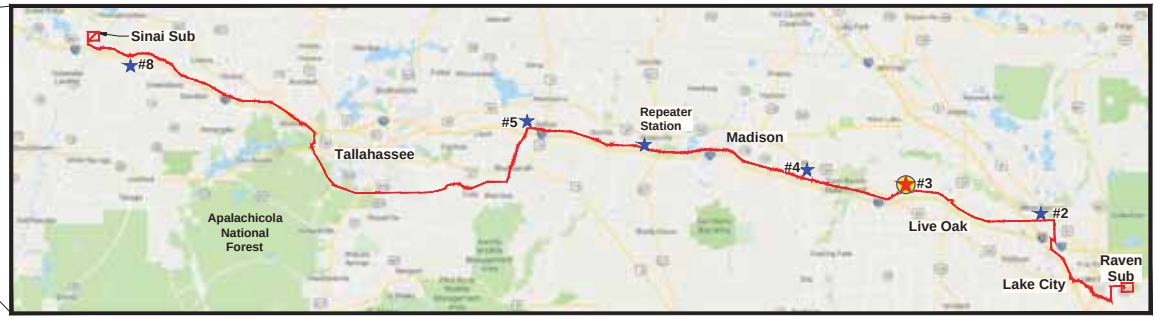
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2



△2 **LEGEND**

PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS △2

NOTICE:
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PICKETT SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
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PHONE: (813) 877-7770
CA #31323 LB #364

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PROFESSIONAL ENGINEER — MICHAEL K. LEAHY — STATE OF FLORIDA — No. 45287

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.03.31 23:49:48 -04'00'

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Know what's **below.** before you dig.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/26/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE	
SHEET: 1 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

STAGING AREA NO. 3 SITE PLAN EXHIBIT

FPL 028856
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:27am BY: Josh Baker

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 3
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #3 - SUWANNEE COUNTY - SRWMD
153RD ROAD, LIVE OAK, FL
PID 36-01S-12E-0981400.0000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 3 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 3 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 3 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 3 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF 153RD ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 3 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 3 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..
2. ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.
3. SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.
4. NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.
5. THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.
6. PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.
2. CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.
3. CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.
4. CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.
5. IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12023C0167D (DATED 11-02-18)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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STATE OF FLORIDA PROFESSIONAL ENGINEER

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 49287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 2 OF 6
SECTION: AS SHOWN
COUNTY: SUWANNEE
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 3
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:27am BY: Josh Baker

FPL 028857
20210015-EI

Staging Area #3 - Suwannee County - SRWMD
153rd Road, Live Oak, FL
PID 36-01S-12E-0981400.0000

△3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 13.24 ACRES
GRAVEL DRIVE	± 2.25 ACRES
STORM PONDS	± 5.09 ACRES
OPEN/UNDEVELOPED	± 4.58 ACRES
TOTAL SITE AREA	± 25.16 ACRES

Table 4: Pond Storage Data

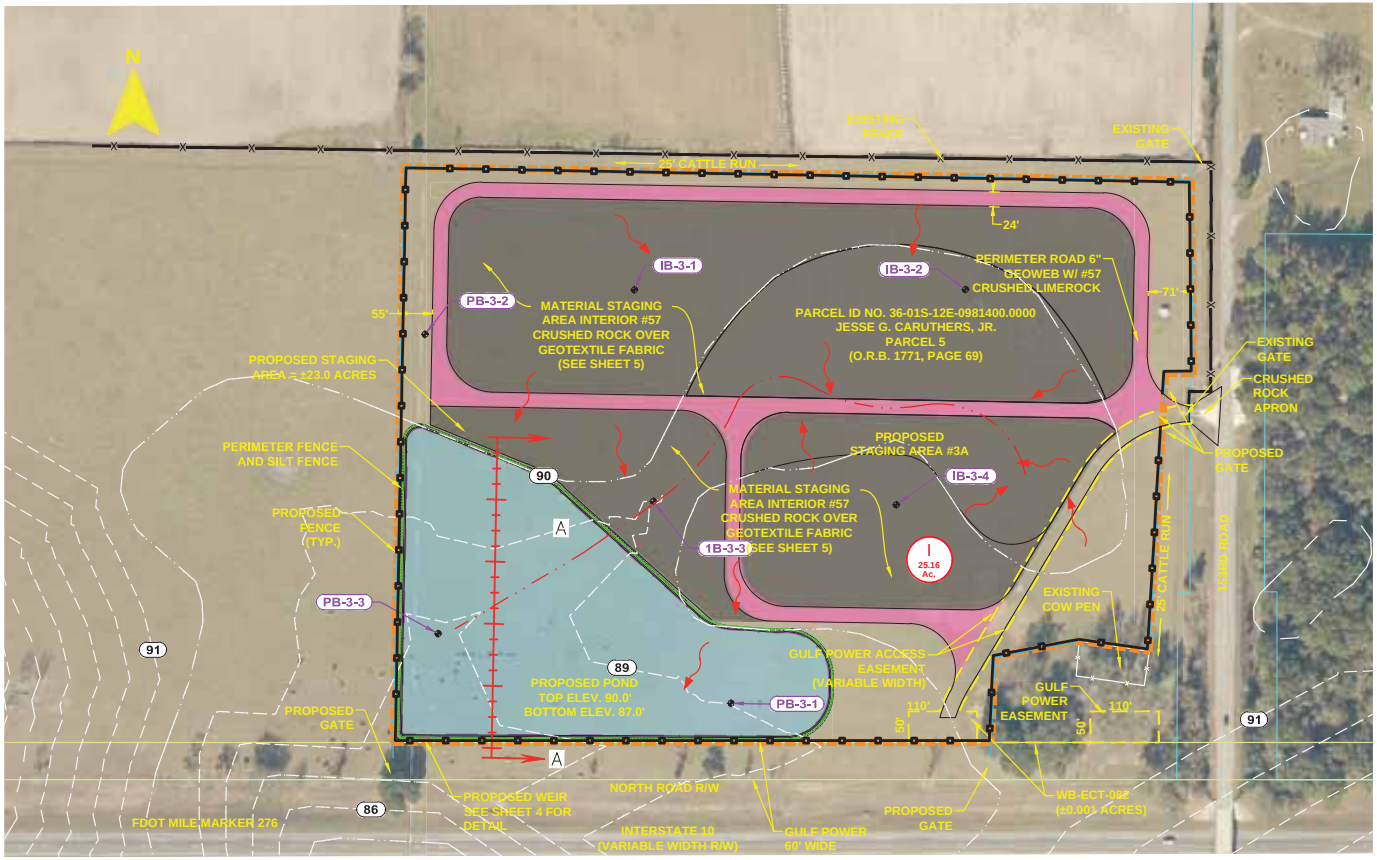
Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Q_{100} (cfs)
1	Top of Pond	90.0	5.09	12.18	15.14
	Peak Water Elev.	88.9			
	Weir Elev.	88.5			
	Bottom of Pond	87.5	4.85		

△3

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	1.17	2.32	Not Accounted in Treatment Calculation	6

△3



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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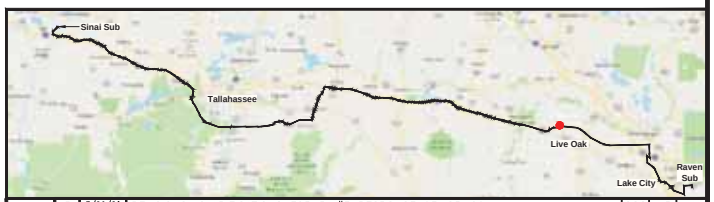
PROFESSIONAL SURVEYOR & MAPPER NO. 6658

0 100 200
1 INCH = 200 FEET



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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: 1"=200'
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: SUWANNEE
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

NFRC STAGING AREA NUMBER 3 SITE PLAN

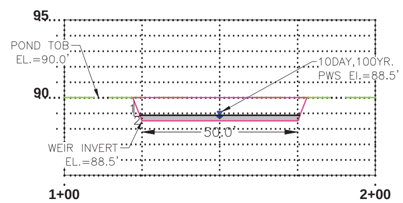
FPL 028858
20210015-EI

PLOT DATE/TIME: 3/26/2020 - 10:27am BY: Josh Baker
CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg

Staging Area #3 - Suwannee County - SRWMD
153rd Road, Live Oak, FL
PID 36-01S-12E-0981400.0000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS

SITE BASIN I
CROSS SECTION VEIW A-A
LOOKING EAST
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
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NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

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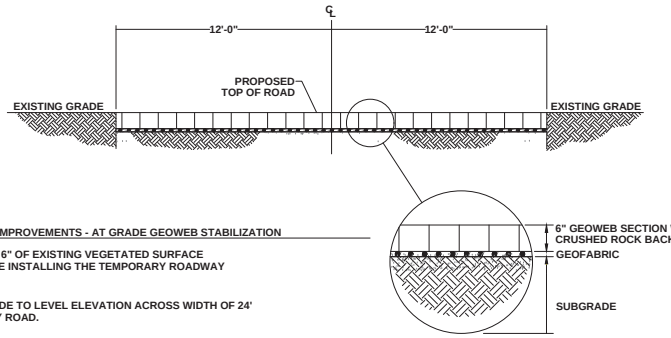
COUNTY: SUWANNEE
SHEET: 4 OF 6
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

NFRC STAGING AREA NUMBER 3 SITE PLAN

LEGEND
EXISTING GROUND
PROPOSED GROUND

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:28am BY: Josh Baker

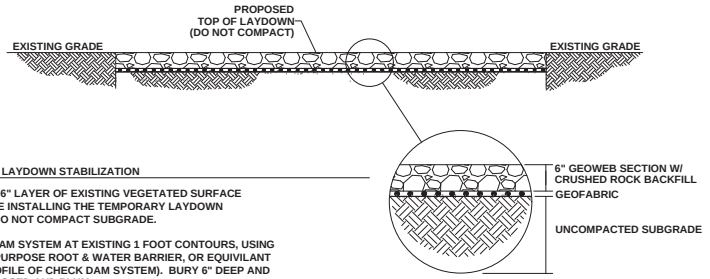


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

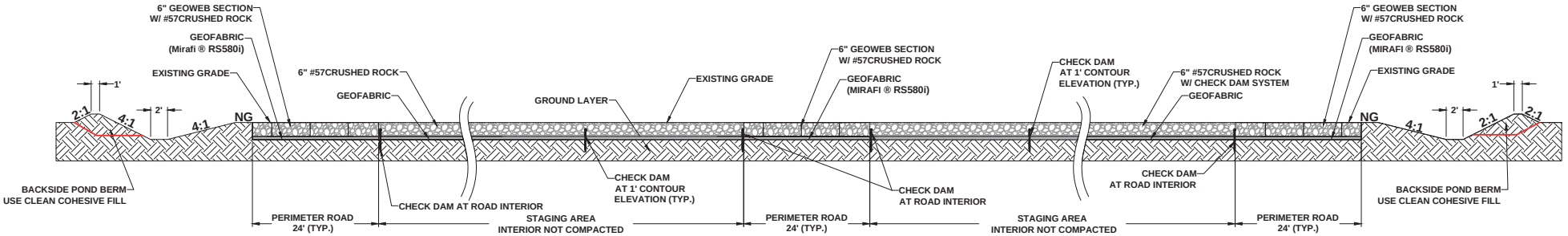


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

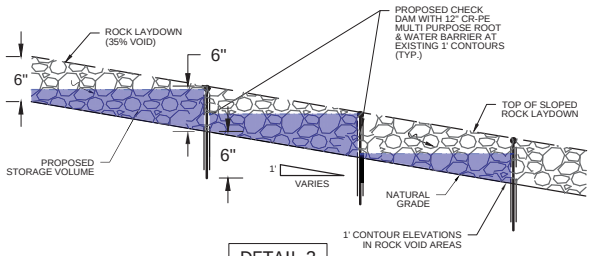
1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL

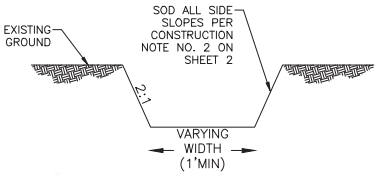


TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS



STANDARD SWALE CROSS SECTION
N.T.S.

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-28-20
LICENSED PROFESSIONAL ENGINEER NO. 45287
PROFESSIONAL SURVEYOR & MAPPER NO. 5658

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2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC JJB MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC JJB MKL
NO	DATE	REVISIONS AND RECORD OF ISSUE	BY CHK APP

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE
SHEET: 5 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg

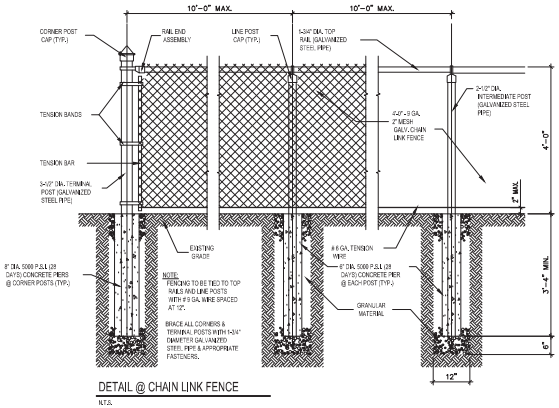
Gulf Power

NFRC STAGING AREA NUMBER 3 SITE PLAN

FPL 028860
20210015-EI

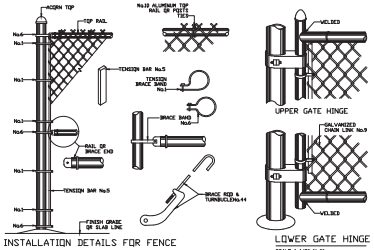
CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:28am BY: Josh Baker

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

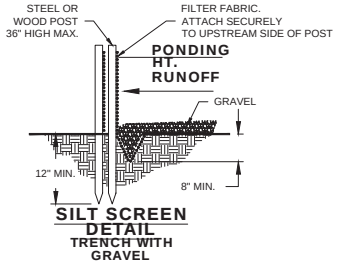
N.T.S.



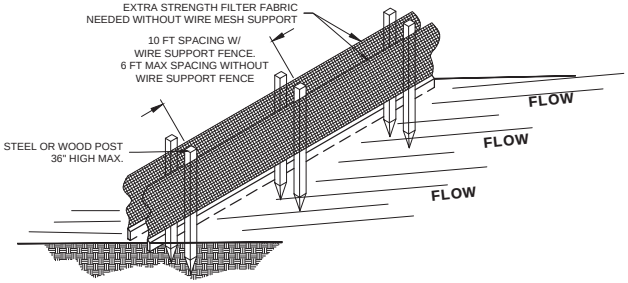
INSTALLATION DETAILS FOR FENCE

CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA — PROFESSIONAL ENGINEER — No. 45287

03-28-20

MICHAEL B. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE	
SHEET: 6 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

NFRC STAGING AREA NUMBER 3 SITE PLAN

FPL 028861
20210015-EI

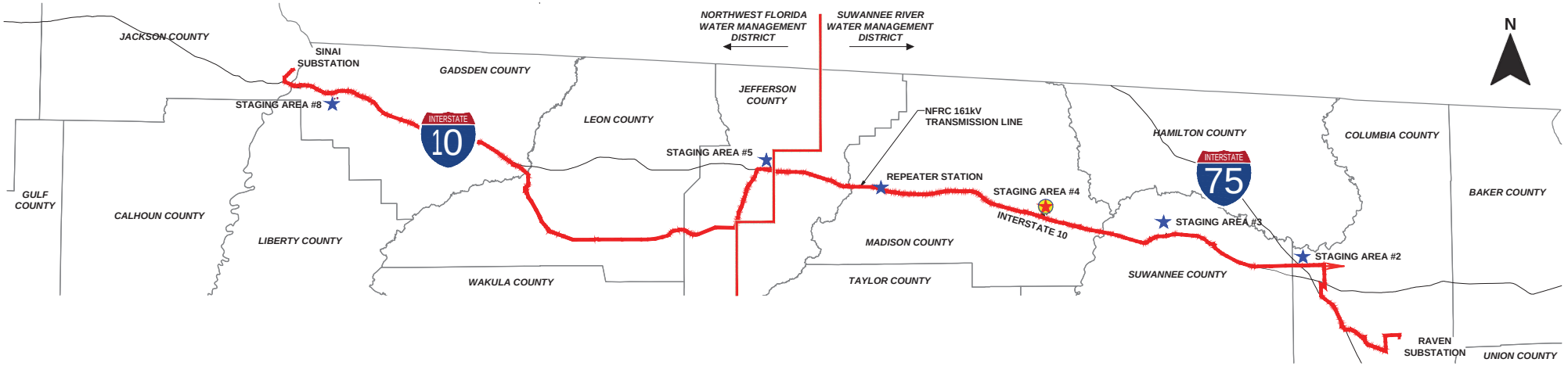
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:29am BY: Josh Baker

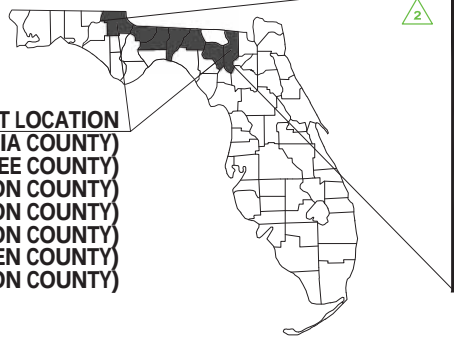
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

TEMPORARY STAGING AREA NO. 4

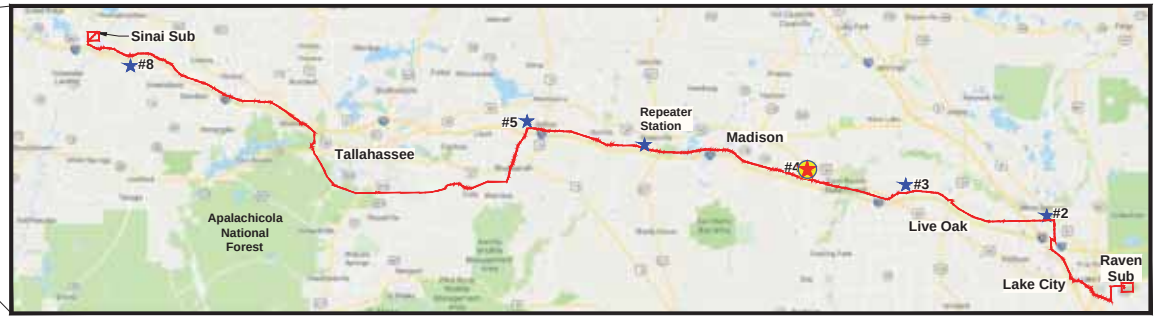
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2



△2 **LEGEND**

PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

△2

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Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.03.31 23:58:41 -04'00'

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811 Know what's **below.** before you dig.

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: 21-1S-10E	
DRAFTER: GCC	CHECKED: JJB	COUNTY: MADISON	
SHEET: 1 OF 6		FILE NAME: NFRC_EXH_SA04_R02.dwg	

Gulf Power

STAGING AREA NO. 4 SITE PLAN EXHIBIT

FPL 028862
20210015-EI

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 4
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #4 - MADISON COUNTY - SRWMD
S. DALE LESLIE DR., MADISON, FL
PID 21-1S-10-1290-001-000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 4 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 4 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITIION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 4 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 4 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF SE DALE LESLIE DRIVE. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 4 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 4 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..
2. ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.
3. SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.
4. NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.
5. THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.
6. PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.
2. CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.
3. CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.
4. CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.
5. IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12079C0314C (DATED 05-03-10)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE A AREA SUBJECT TO THE 100-YEAR FLOOD PLAIN
   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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PROFESSIONAL ENGINEER — STATE OF FLORIDA — No. 45287

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 2 OF 6
SECTION: 21-1S-10E
COUNTY: MADISON
FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

STAGING AREA NO. 4
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:20am BY: Josh Baker

FPL 028863
20210015-EI

Staging Area #4 - Madison County - SRWMD
S. Dale Leslie Dr., Madison, FL
PID 21-1S-10-1290-001-000 (3)

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 29.93 ACRES
GRAVEL DRIVE	± 4.64 ACRES
STORM PONDS	± 7.43 ACRES
OPEN/UNDEVELOPED	± 8.13 ACRES
TOTAL SITE AREA	± 50.13 ACRES

Table 4: Pond Storage Data (3)

Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Qpo (cfs)
I	Top of Pond	90.0	0.11	0.98	1.46
	Peak Water Elev.	89.1			
	Weir Elev.	88.9			
	Bottom of Pond	88.0	0.45		
II	Top of Pond	88.0	0.56	4.10	8.14
	Peak Water Elev.	87.1			
	Weir Elev.	86.9			
	Bottom of Pond	85.0	0.47		
III	Top of Pond	84.5	1.58	5.53	13.99
	Peak Water Elev.	83.6			
	Weir Elev.	83.0			
	Bottom of Pond	80.0	1.23		
IV	Top of Pond	85.3	2.34	10.96	18.82
	Peak Water Elev.	84.5			
	Weir Elev.	83.4			
	Bottom of Pond	79.3	1.83		
V.1	Top of Pond	94.9	0.74	1.84	0.38
	Peak Water Elev.	93.9			
	Weir Elev.	93.9			
	Bottom of Pond	91.9	0.61		
V.2	Top of Pond	94.3	1.80	4.21	2.66
	Peak Water Elev.	93.3			
	Weir Elev.	93.2			
	Bottom of Pond	91.3	1.42		

Table 5: Summary of Treatment Volume and Recovery (3)

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
I	0.08	0.06	Not Accounted in Treatment Calculation	36
II	0.14	0.29	Not Accounted in Treatment Calculation	12
III	0.56	1.39	Not Accounted in Treatment Calculation	13
IV	1.03	2.75	Not Accounted in Treatment Calculation	24
V	0.45	0.76	Not Accounted in Treatment Calculation	24

GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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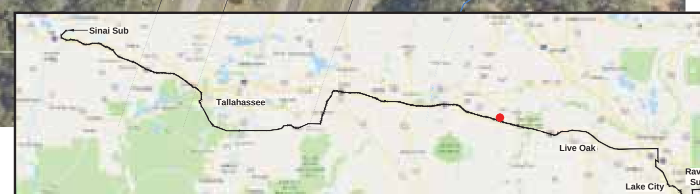

LEGEND

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

NOTICE:
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CA #31323 LB #364

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PROFESSIONAL ENGINEER, STATE OF FLORIDA
03-31-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

0 100 200
1 INCH = 200 FEET

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: 1"=200'	ENGINEER: MKL	SECTION: 21-1S-10E
DRAFTER: GCC	CHECKED: JJB	COUNTY: MADISON
SHEET: 4 OF 6		FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

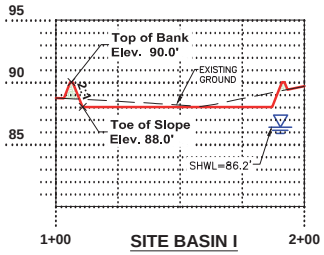
STAGING AREA NO. 4
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:20am BY: Josh Baker

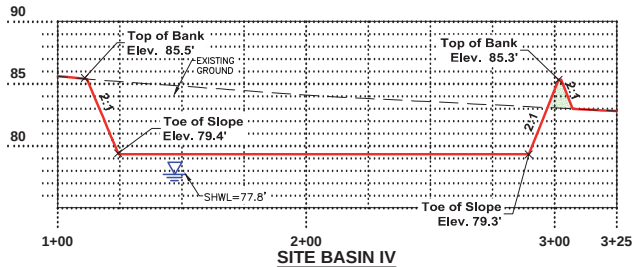
FPL 028864
20210015-EI

Staging Area #4 - Madison County - SRWMD
S. Dale Leslie Dr., Madison, FL
PID 21-1S-10-1290-001-000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 13 FOR TYPICAL CONSTRUCTION DETAILS



SITE BASIN I
CROSS SECTION VEIW A-A
LOOKING NORTH
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



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CROSS SECTION VEIW G-G
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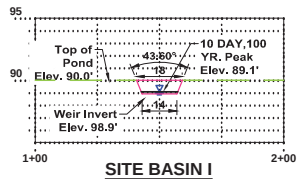

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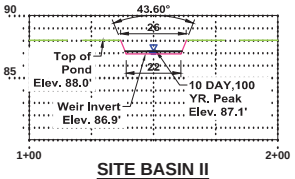

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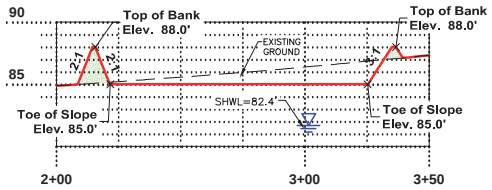

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CROSS SECTION VEIW C-C
LOOKING EAST
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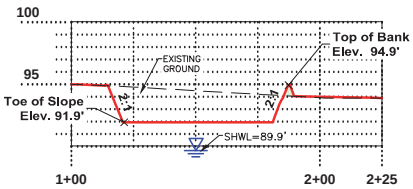
VERT. SCALE = 1" = 10'



SITE BASIN V
CROSS SECTION VEIW H-H
LOOKING EAST
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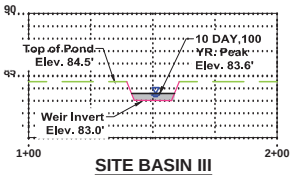
VERT. SCALE = 1" = 10'



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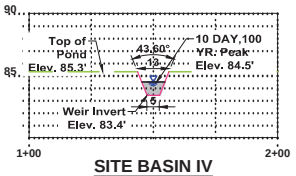
VERT. SCALE = 1" = 10'



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CROSS SECTION VEIW
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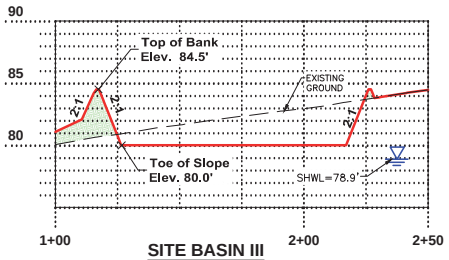
VERT. SCALE = 1" = 10'



SITE BASIN III
CROSS SECTION VEIW D-D
LOOKING EAST
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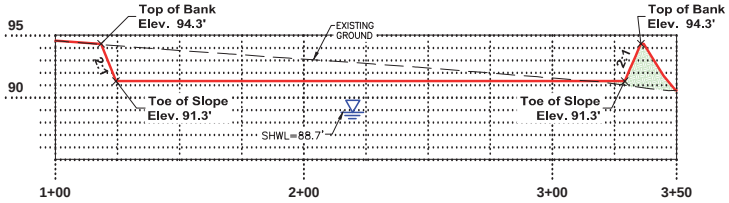
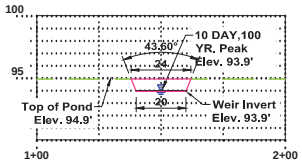
VERT. SCALE = 1" = 10'



SITE BASIN V
CROSS SECTION VEIW L-L
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



SITE BASIN V.1
CROSS SECTION VEIW
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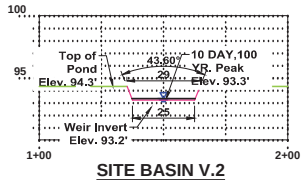
VERT. SCALE = 1" = 10'



SITE BASIN V.2
CROSS SECTION VEIW
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'

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LEGEND

EXISTING GROUND
PROPOSED GROUND

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-28-20
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

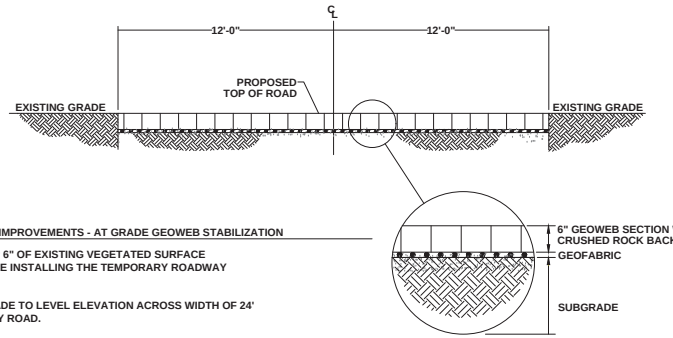
SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 4 OF 6
SECTION: 21-1S-10E
COUNTY: MADISON
FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

STAGING AREA NO. 4
SITE PLAN EXHIBIT

FPL 028865
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Roven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg
PLOT DATE/TIME: 3/26/2020 - 10:20am BY: Josh Baker

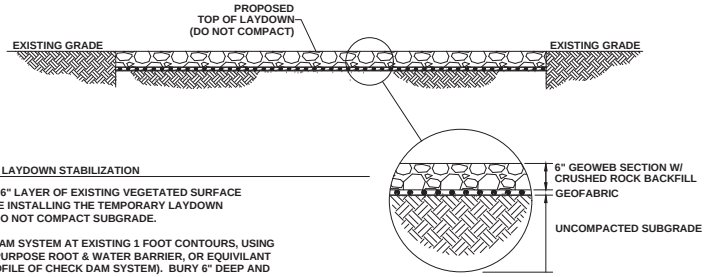


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

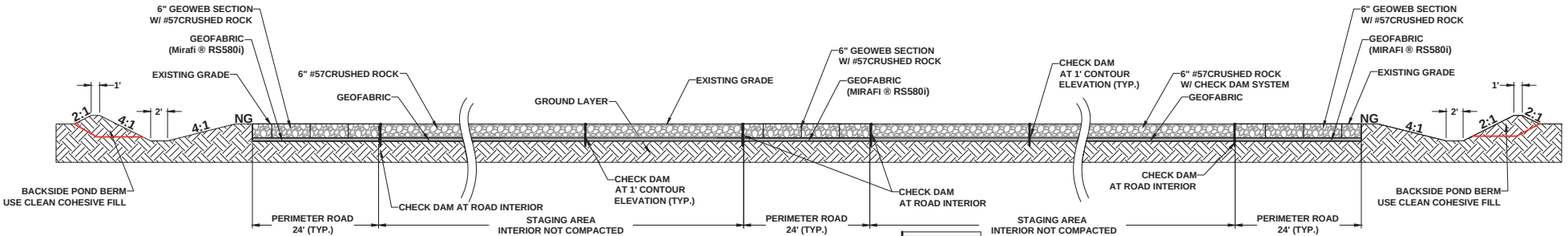


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

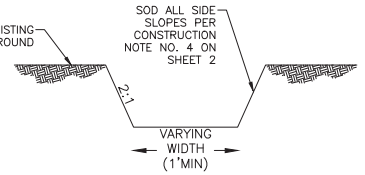
DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



DETAIL 4

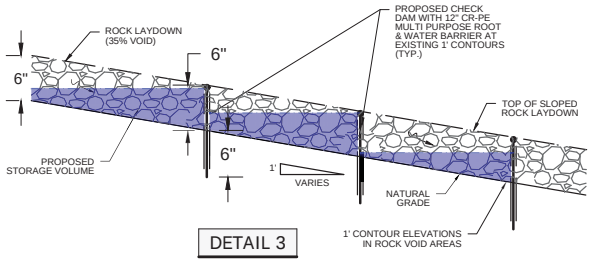
TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 5

STANDARD SWALE CROSS SECTION

N.T.S.



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-28-20
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR AND MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

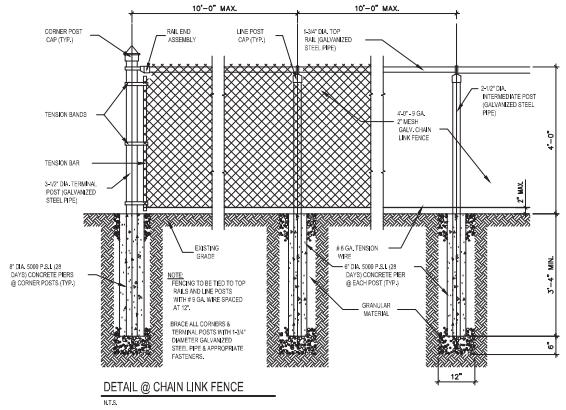
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 5 OF 6		FILE NAME: NFRC_EXH_SA04_R02.dwg	

Gulf Power

STAGING AREA NO. 4 SITE PLAN EXHIBIT

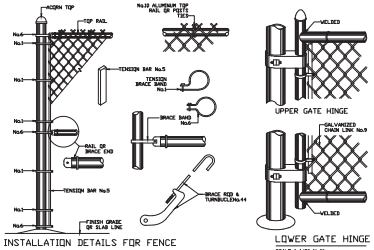
FPL 028866
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

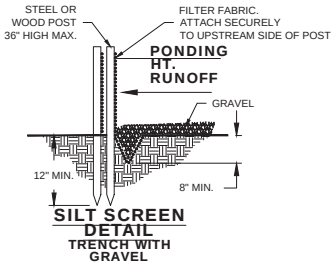
N.T.S.



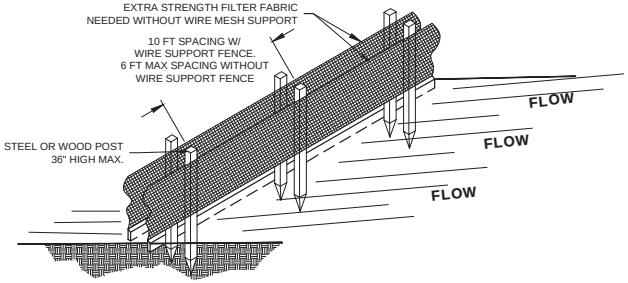
INSTALLATION DETAILS FOR FENCE

CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 45287

03-28-20

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLANS EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 6 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

STAGING AREA NO. 4 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:21am BY: Josh Baker

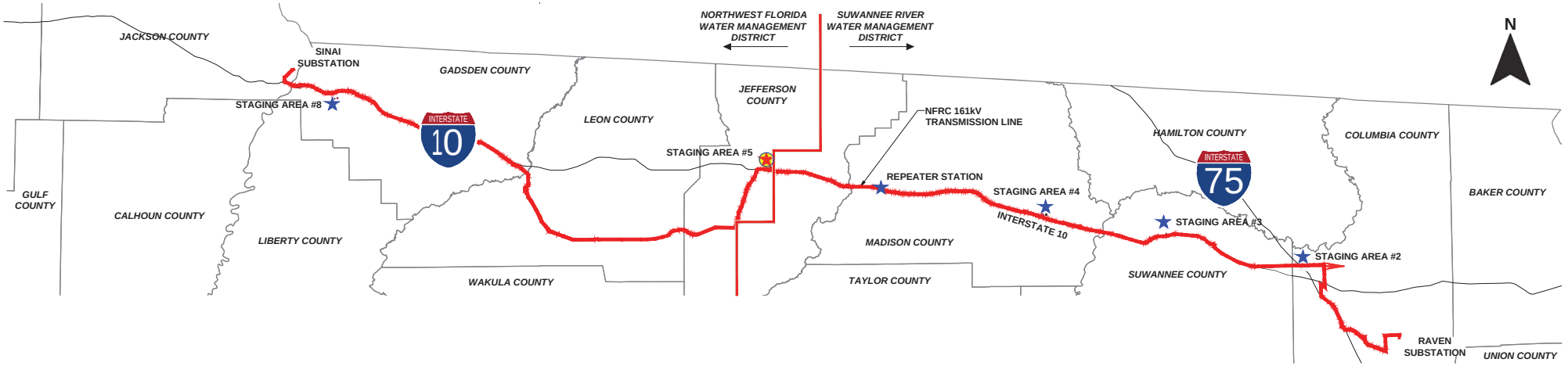
FPL 028867
20210015-EI

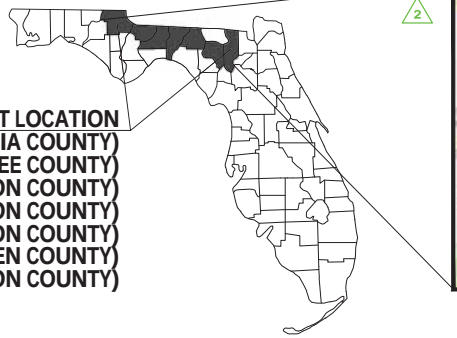
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

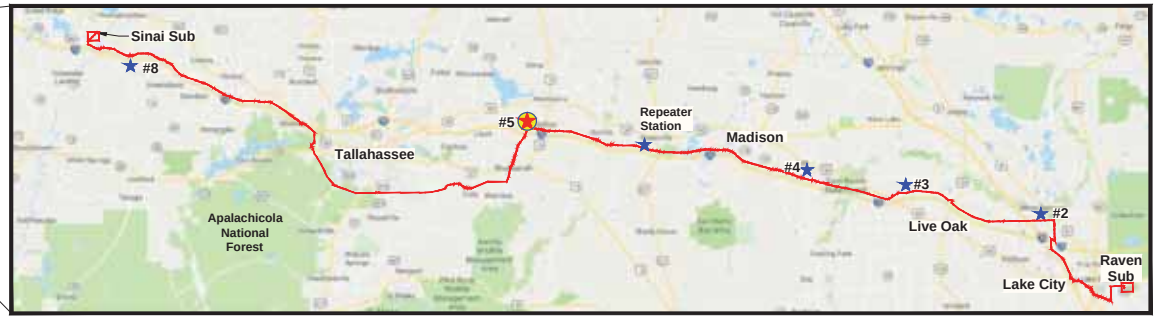
TEMPORARY STAGING AREA NO. 5

SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)



△2 **LEGEND**

- PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

△2

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MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR AND MAPPER No. 5658

Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.04.01 00:06:25 -04'00'

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811 Know what's **below.** before you dig.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
2	3/27/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
2	3/17/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 1 OF 6		FILE NAME: 191021_EXH_SA05_R02.dwg	

Gulf Power

STAGING AREA NO. 5 SITE PLAN EXHIBIT

FPL 028868
20210015-EI

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 5
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #5 - JEFFERSON COUNTY - NWFWMD
CAMPGROUND ROAD, MONTICELLO, FL
PID 14-1N-4E-0000-0042-0000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 5 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 5 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 5 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 5 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF CAMPGROUND ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 5 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 5 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. **NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..**
2. **ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.**
3. **SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.**
4. **NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.**
5. **THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.**
6. **PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.**

CONSTRUCTION NOTES:

1. **CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.**
2. **CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.**
3. **CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.**
4. **CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.**
5. **IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.**

FLOOD ZONE NOTES:

1. **FLOOD ZONE INFORMATION BASED ON THE JEFFERSON COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:**

   MAP NUMBER 12065C0300C (DATED 02-05-14)

2. **APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:**

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

NOTICE:
CONTRACTOR SHALL VERIFY ALL CONDITIONS ON JOB SITE & NOTIFY PROJECT MANAGER AND ENGINEER OF ANY VARIATIONS FROM DIMENSIONS SHOWN ON THESE DRAWINGS BEFORE PROCEEDING WITH ANY CONSTRUCTION.

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED UNDER MY DIRECTION ON THE DATE SHOWN BASED ON THE INFORMATION FURNISHED TO ME AS NOTED AND CONFORMS TO ACCEPTED ENGINEERING PRACTICES IN THE STATE OF FLORIDA PURSUANT TO SECTION 471 OF FLORIDA STATUTES AND THAT, TO THE BEST OF THIS ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.

STATE OF FLORIDA PROFESSIONAL ENGINEER

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 2 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: 191021_EXH_SA_R02.dwg

Gulf Power

STAGING AREA NO. 5 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA05_R02.dwg PLOT DATE/TIME: 3/26/2020 - 11:06am BY: Josh Baker

FPL 028869
20210015-EI

Staging Area #5 - Jefferson County - NWFWMD
Campground Road, Monticello, FL
PID 14-1N-4E-0000-0042-0000

3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 13.06 ACRES
GRAVEL DRIVE	± 1.84 ACRES
STORM PONDS	± 1.45 ACRES
OPEN/UNDEVELOPED	± 2.32 ACRES
TOTAL SITE AREA	± 18.67 ACRES

Table 4: Pond Storage Data

Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (25-Year, 24-Hour Storm) Q_{25} (cfs)
I.1 Primary/ Eastern	Top of Pond	190.0	1.45	2.10	29.28
	Peak Water Elev.	189.1			
	Weir Elev.	188.0			
	Bottom of Pond	187.5	1.31		
I.2 West	Top of Pond	193.5	0.27	0.53	0.00
	Peak Water Elev.	193.2			
	Bottom of Pond	191.0	0.22		
I.3 North	Top of Pond	190.5	0.66	1.08	0.00
	Peak Water Elev.	190.3			
	Bottom of Pond	188.5	0.55		

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	0.81	2.29	3.21	72

GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-31-20
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

0 50 100
1 INCH = 100 FEET

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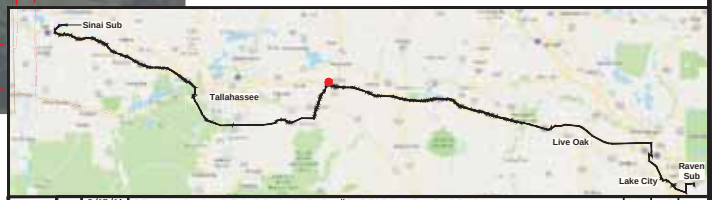

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

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ENGINEER:	MKL
DRAFTER:	GCC
CHECKED:	JJB
SHEET:	3 OF 6
SECTION:	AS SHOWN
COUNTY:	JEFFERSON
FILE NAME:	191021_EXH_SA_R02.dwg

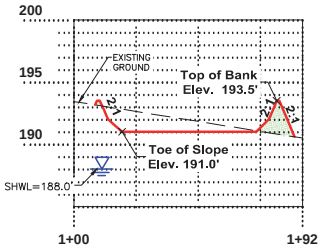
Gulf Power

NFRC STAGING AREA NUMBER 5 SITE PLAN

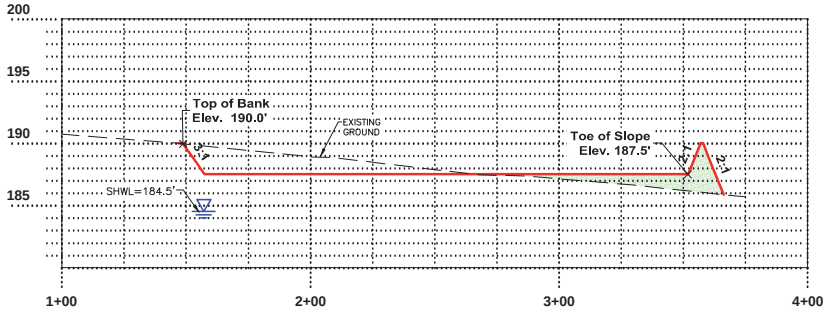
FPL 028870
20210015-EI

Staging Area #5 - Jefferson County - NWFWMD
Campground Road, Monticello, FL
PID 14-1N-4E-0000-0042-0000

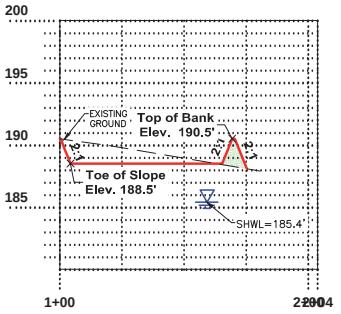
SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



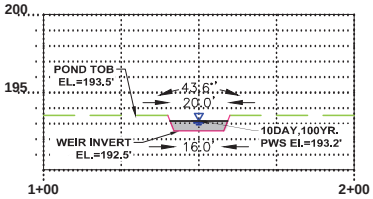
WEST POND I.2
CROSS SECTION VIEW A-A
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



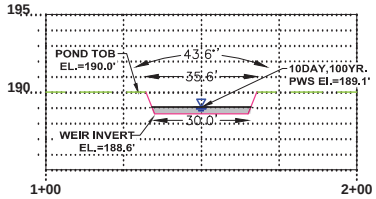
PRIMARY POND I.1
CROSS SECTION VIEW B-B
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



NORTH POND I.3
CROSS SECTION VIEW C-C
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



WEST POND I.2
WEIR OUTLET TO POND I.1
CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



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WEIR CROSS SECTION
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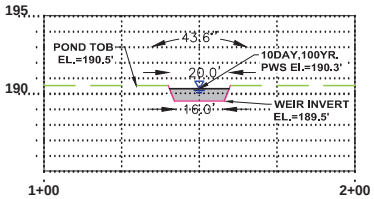

NORTH POND I.3
WEIR OUTLET TO POND I.1
CROSS SECTION
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GENERAL NOTES:

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LEGEND

EXISTING GROUND
PROPOSED GROUND

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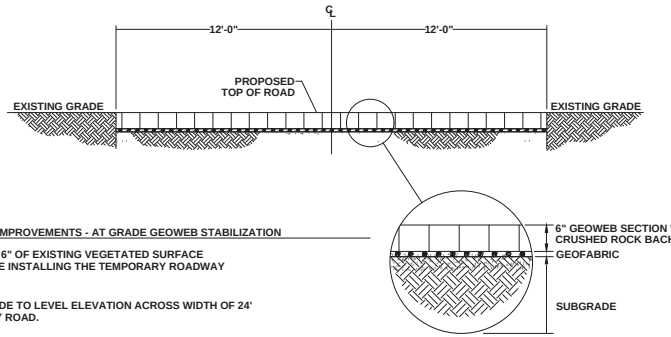
FILE NAME: 191021_EXH_SA_R02.dwg

Gulf Power

NFRC STAGING AREA
NUMBER 5 SITE PLAN

FPL 028871
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA05_R02.dwg
PLOT DATE/TIME: 3/26/2020 - 11:07am BY: Josh Baker

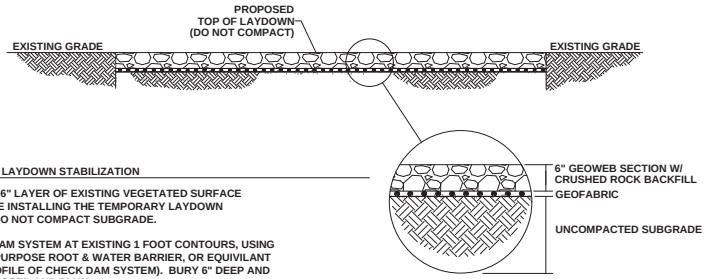


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

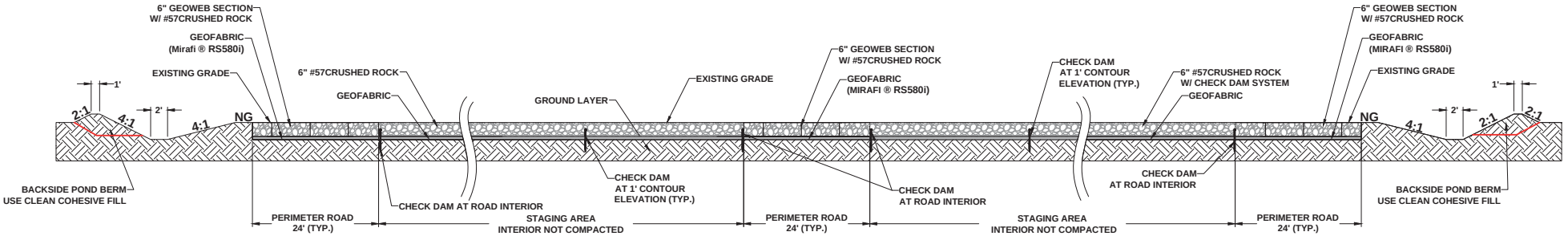


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

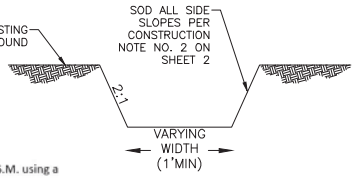
1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

DETAIL 2

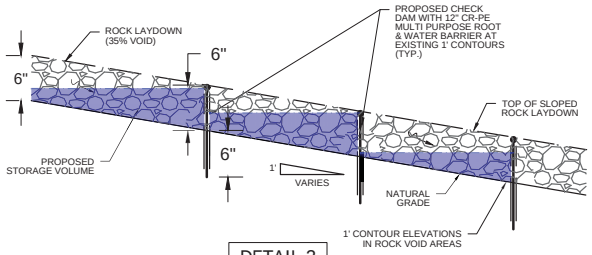
TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



STANDARD SWALE CROSS SECTION
N.T.S.



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS

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STATE OF FLORIDA
MICHAEL K. LEAHY
LICENSED PROFESSIONAL ENGINEER
03-28-20

FLORIDA LICENSED PROFESSIONAL ENGINEER No. 49287
FLORIDA LICENSED SURVEYOR & MAPPER No. 5658

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2	3/17/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

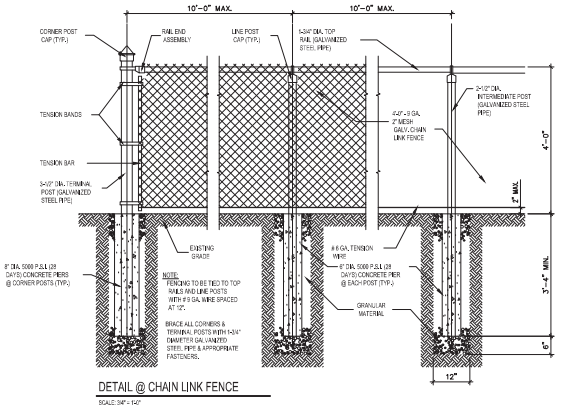
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 5 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

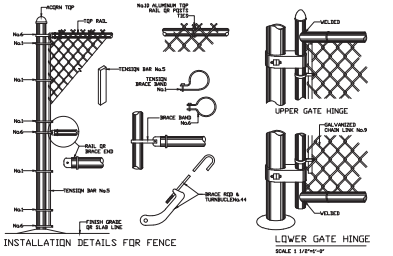
NFRC STAGING AREA CONSTRUCTION DETAILS

FPL 028872
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

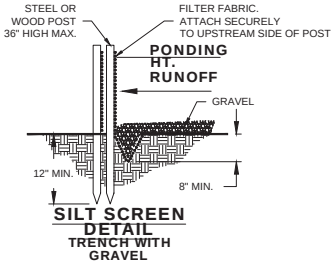


INSTALLATION DETAILS FOR FENCE

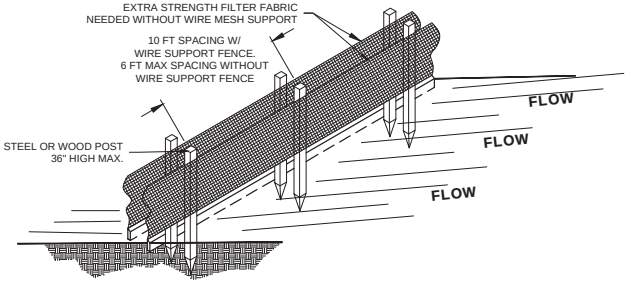
CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

SCALE 3/4"=1'-0"

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA — PROFESSIONAL ENGINEER

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 45287
PROFESSIONAL SURVEYOR AND MAPPER NO. 5698

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 6 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: 191021_EXH_SA_R02.dwg

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NFRC STAGING AREA FENCE AND BMP DETAILS

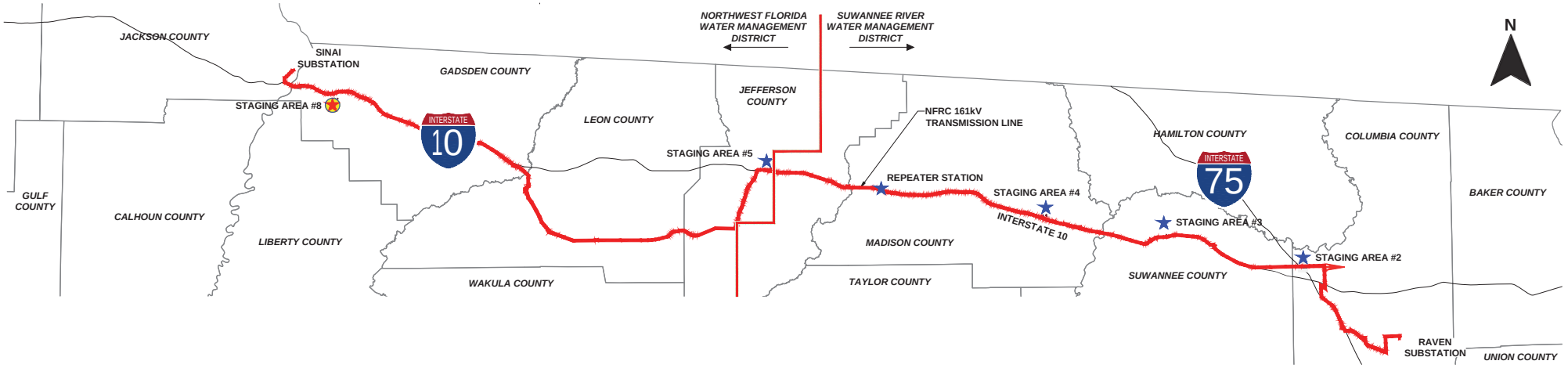
FPL 028873
20210015-EI

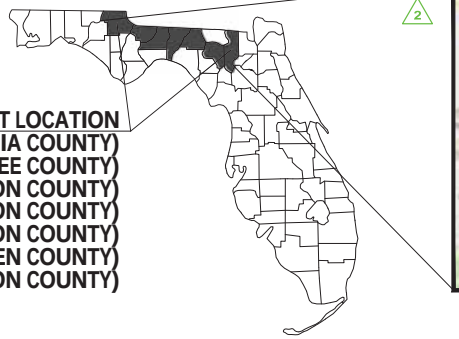
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

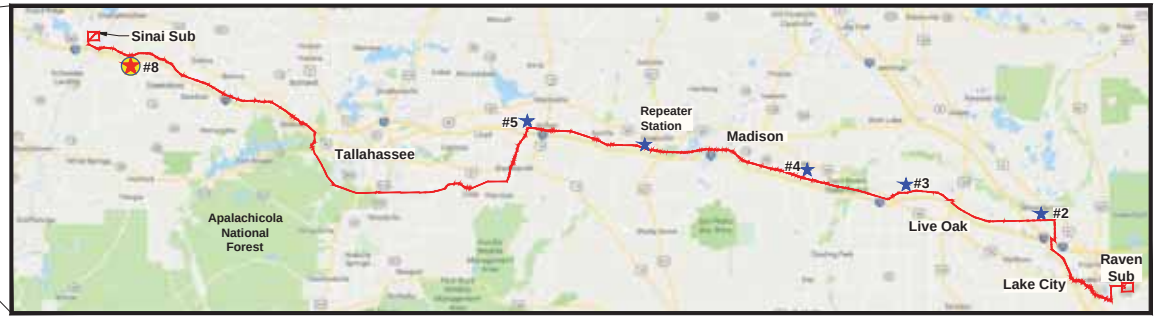
TEMPORARY STAGING AREA NO. 8

SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)



△2 **LEGEND**

- PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

△2

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-28-20
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 42267
PROFESSIONAL SURVEYOR & MAPPER NO. 6506

Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.04.01 00:14:27 -04'00'

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Know what's **below.** before you dig.

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
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STAGING AREA NO. 2 SITE PLAN EXHIBIT

FPL 028874
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA08_R02.dwg PLOT DATE/TIME: 3/27/2020 - 10:31am BY: Regina Viviano

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 8
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #8 - GADSDEN COUNTY - NWFWMD
FLAT CREEK ROAD, CHATTAHOOCHEE, FL
PID 2-35-3N-6W-0000-00220-0000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 8 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 8 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 8 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 8 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF CAMPGROUND ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 8 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 8 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. **NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..**
2. **ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.**
3. **SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.**
4. **NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.**
5. **THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.**
6. **PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.**

CONSTRUCTION NOTES:

1. **CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.**
2. **CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.**
3. **CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.**
4. **CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.**
5. **IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.**

FLOOD ZONE NOTES:

1. **FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:**

   MAP NUMBER 12023C0167D (DATED 11-02-18)

2. **APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:**

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 2 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

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STAGING AREA NO. 8 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA08_R02.dwg PLOT DATE/TIME: 3/27/2020 - 10:31am BY: Regina Viviano

FPL 028875
20210015-EI

Staging Area #8 - Gadsden County - NWFWMD
Flat Creek Road, Chattahoochee, FL
PID 2-35-3N-6W-0000-00220-0000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 6.13 ACRES
GRAVEL DRIVE	± 0.85 ACRES
STORM PONDS	± 1.34 ACRES
OPEN/UNDEVELOPED	± 0.54 ACRES
TOTAL SITE AREA	± 8.86 ACRES

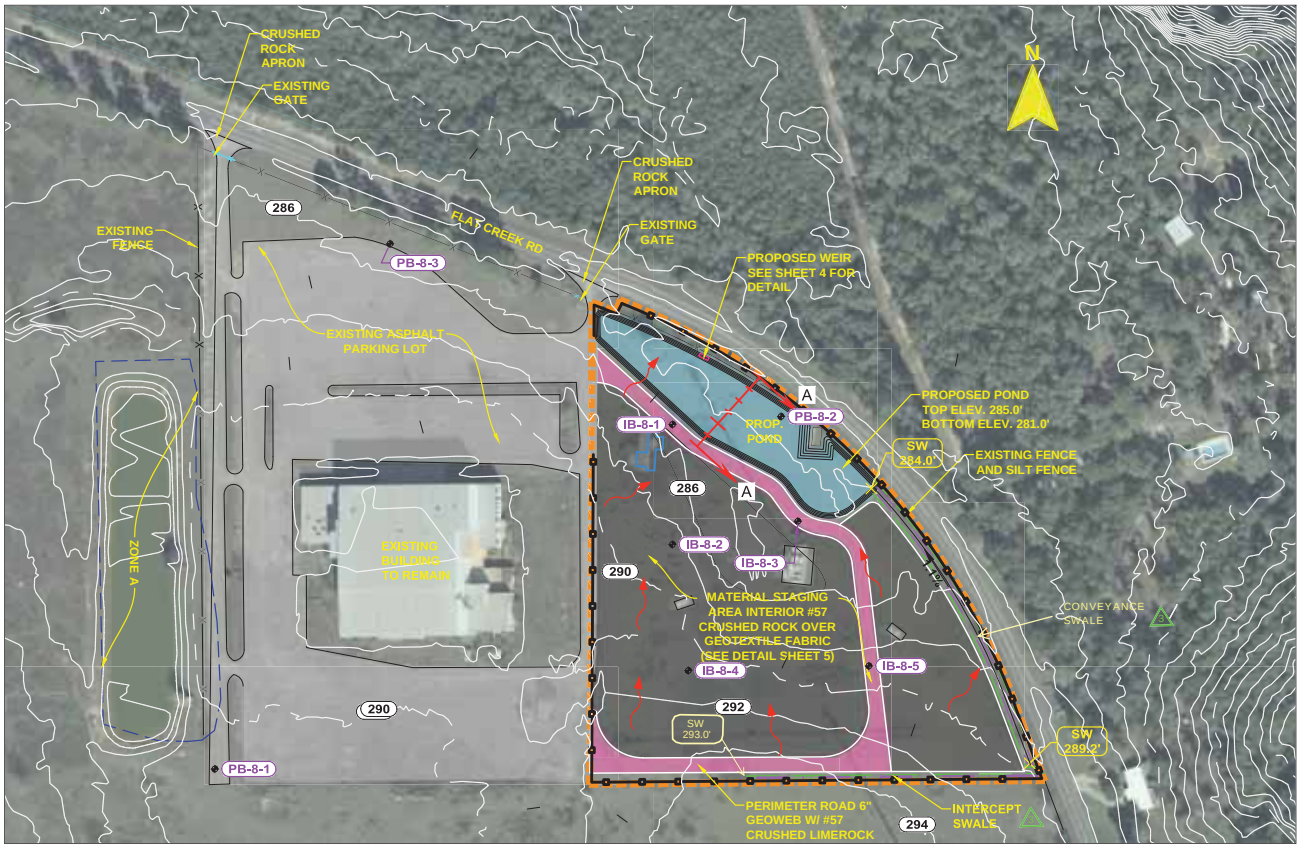

Table 4: Pond Storage Data

Basin No.	Elevation (Ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (25-Year, 24-Hour Storm) Q_{in} (cfs)
1	Top of Pond	285.0	1.34	3.15	4.62
	Peak Water Elev.	283.2			
	Weir Elev.	283.0			
	Bottom of Pond	281.0	0.88		

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	0.42	1.05	Not Accounted in Treatment Calculation	48

GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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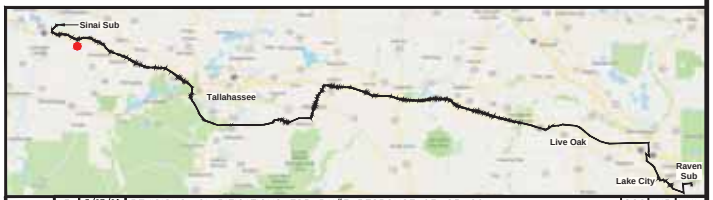
STATE OF FLORIDA
MICHAEL K. LEAHY
03.31.20
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 45287
PROFESSIONAL SURVEYOR & MAPPER NO. 6658

0 100 200
1 INCH = 200 FEET



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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: GADSDEN
FILE NAME: 191021_EXH_SA_R02.dwg

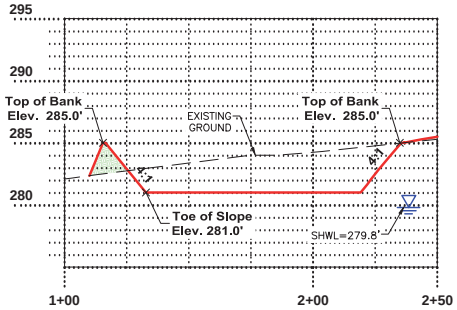
Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

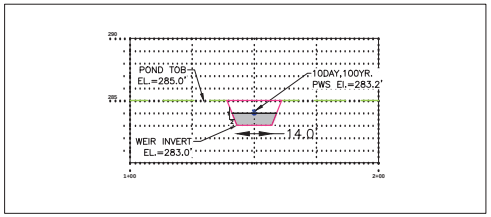
FPL 028876
20210015-EI

Staging Area #8 - Gadsden County - NWFWMD
Flat Creek Road, Chattahoochee, FL
PID 2-35-3N-6W-0000-00220-0000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



SITE BASIN I
CROSS SECTION VIEW A-A
LOOKING SOUTHEAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'

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LEGEND
EXISTING GROUND
PROPOSED GROUND

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MICHAEL K. LEAHY
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FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 6658

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TRANSMISSION ENGINEERING DEPARTMENT

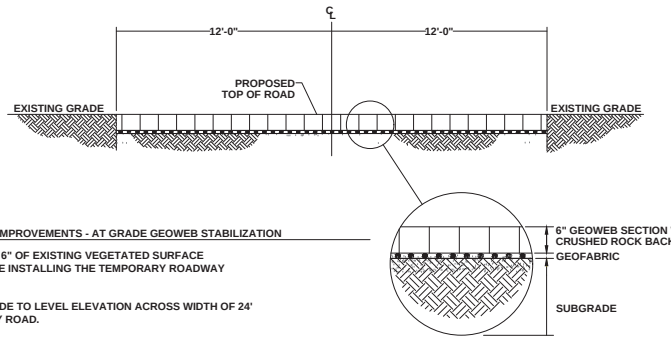
NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 4 OF 6
SECTION: AS SHOWN
COUNTY: GADSDEN
FILE NAME: 191021_EXH_SA_R02.dwg

Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

FPL 028877
20210015-EI

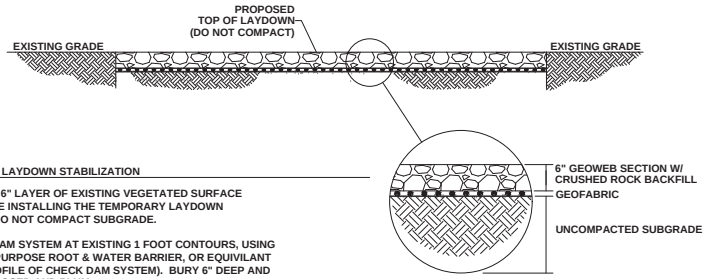


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

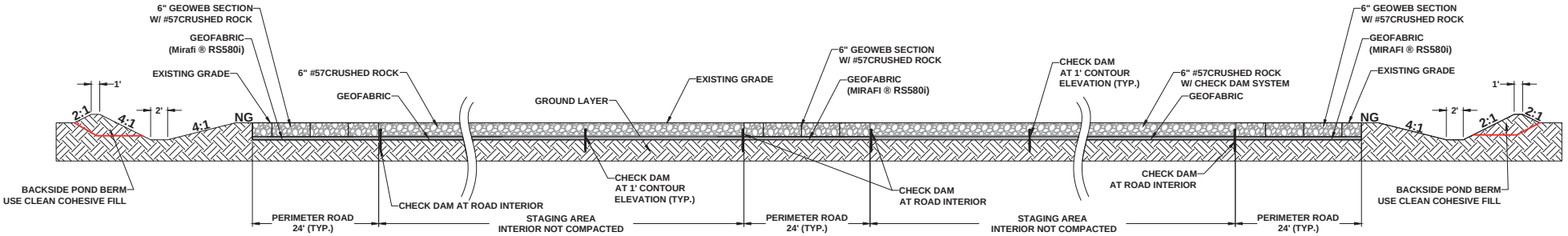


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

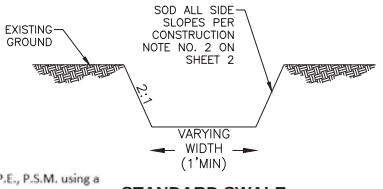
1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

DETAIL 2

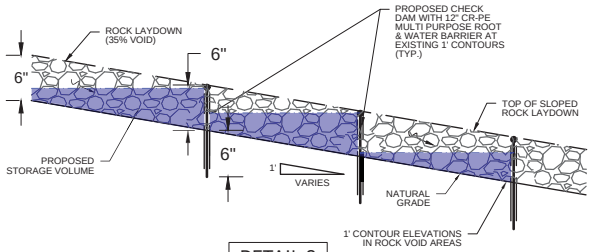
TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



STANDARD SWALE CROSS SECTION
N.T.S.



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS

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STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 45297
PROFESSIONAL SURVEYOR & MAPPER NO. 5826
03-28-20

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

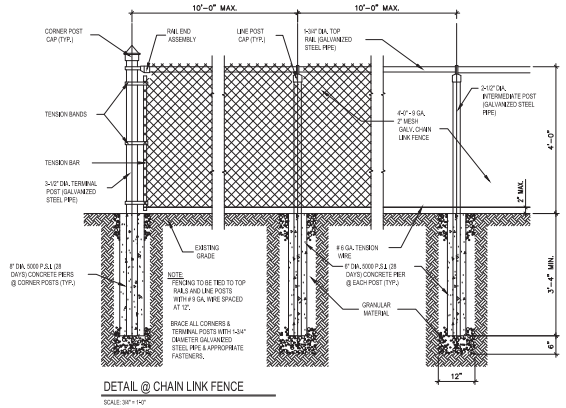
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 5 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

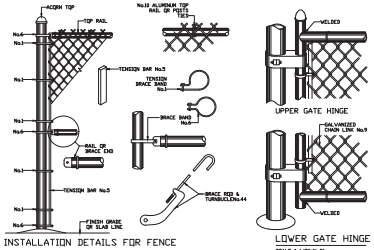
FPL 028878
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

SCALE: 3/4" = 1'-0"



INSTALLATION DETAILS FOR FENCE

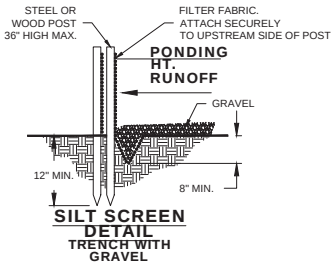
LOWER GATE HINGE

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

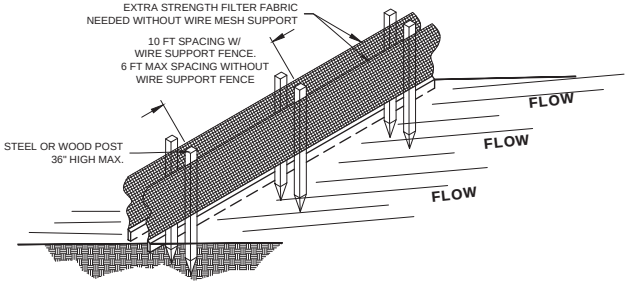
CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

SCALE 3/4"=1'-0"

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 6 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

FPL 028879
20210015-EI

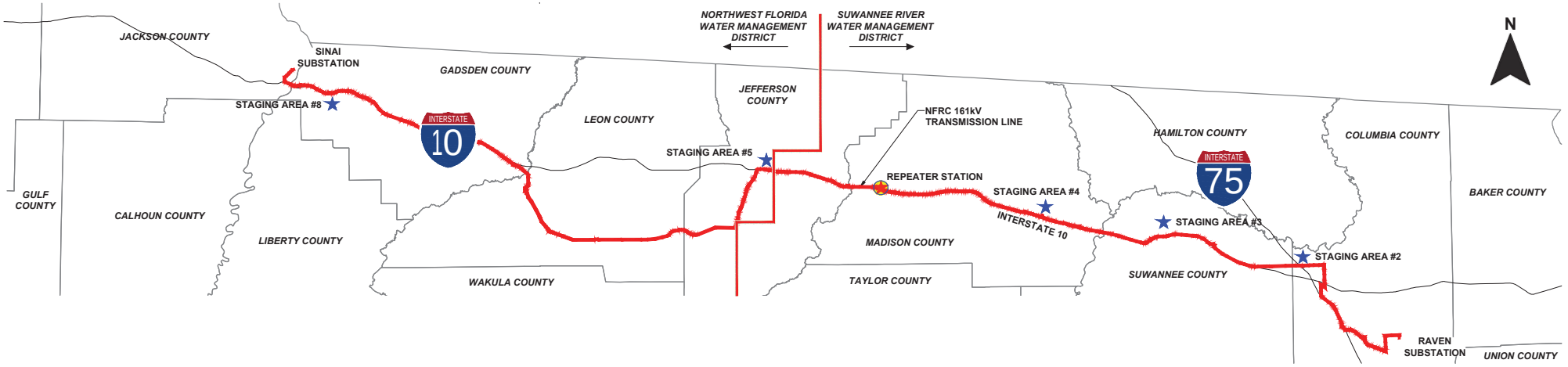
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA08_R02.dwg PLOT DATE/TIME: 3/27/2020 - 10:33am BY: Regina Viviano

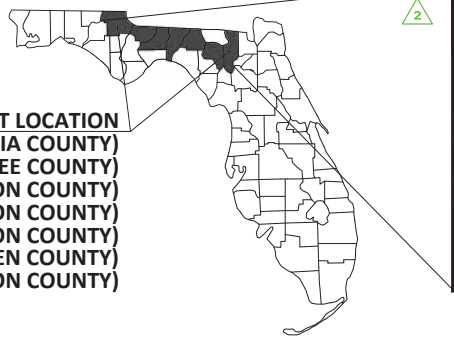
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

REPEATER STATION

SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2

△2 **LEGEND**

- PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

△2

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FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR AND MAPPER No. 5658

Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.03.31 23:32:53 -04'00'

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Know what's **below.** before you dig.

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
REPEATER STATION SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: MADISON	
SHEET: 1 OF 3		FILE NAME: NFRC_EXH_REPEATER_R02.dwg	

Gulf Power

REPEATER STATION SITE PLAN EXHIBIT

FPL 028880
20210015-EI

Repeater Station - Madison County - SRWMD
SW Overstreet Avenue, Greensville, FL
PID 32-1N-07-2601-000-000

SEE SHEET 3 FOR TYPICAL CONSTRUCTION DETAILS DETAILS

△3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 0.02 ACRES
GRAVEL DRIVE	± 0.03 ACRES
BUILDING/CONCRETE	± 0.009 ACRES
STORM PONDS	± 0.007 ACRES
OPEN/UNDEVELOPED	± 0.08 ACRES
TOTAL SITE AREA	± 0.15 ACRES

Table 4: Pond Storage Data

Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Q_{out} (cfs)
I.1 South	Top of Pond	98.0	0.003	0.101	0.00
	Peak Water Elev.	96.0			
	Weir Elev.	97.0			
	Bottom of Pond	96.0	0.001		
I.2 North	Top of Pond	98.0	0.004	0.034	1.26
	Peak Water Elev.	97.0			
	Weir Elev.	96.9			
	Bottom of Pond	96.5	0.002		

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	0.006	0.004	Not Accounted in Treatment Calculation	2

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE GADSDEN COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12079C0235C (DATED 05-03-10)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

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08-31-20
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FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR AND MAPPER No. 5658

0 100 200
1 INCH = 200 FEET

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
REPEATER STATION SITE PLAN EXHIBIT
SHOWING EXISTING BORINGS AND SITE PLAN REFERENCE

SCALE: N.T.S. | ENGINEER: MKL
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SHEET: 2 OF 3
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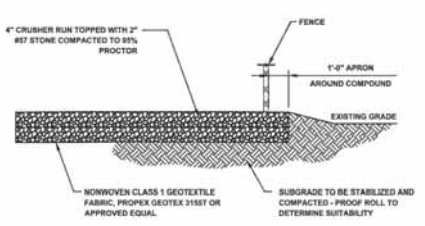
Gulf Power

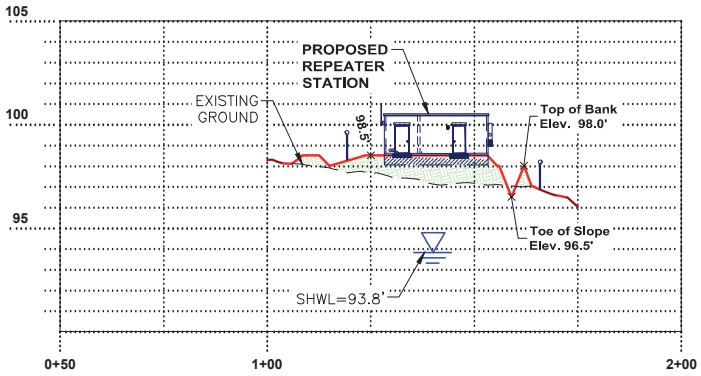
NFRC REPEATER STATION EXHIBIT

FPL 028881
20210015-EI

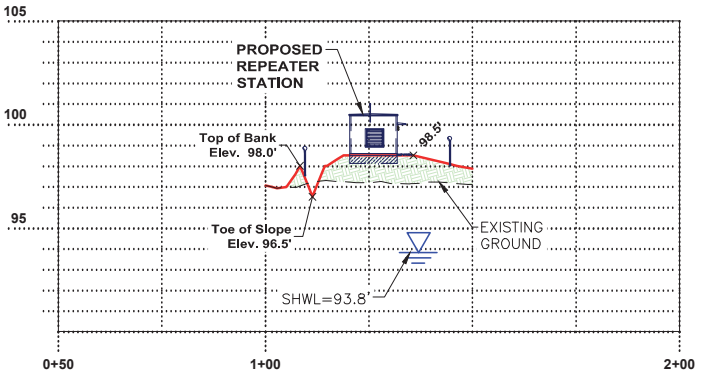
Repeater Station - Madison County - SRWMD
SW Overstreet Avenue, Greensville, FL
PID 32-1N-07-2601-000-000



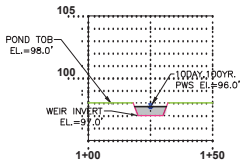
TYPICAL COMPOUND SECTION
DETAIL 2 NTS



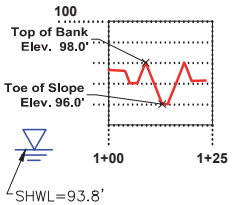
SITE BASIN I
CROSS SECTION VEIW A-A
LOOKING SOUTHEAST
HORZ. SCALE = 1" = 30'
VERT. SCALE = 1" = 6'



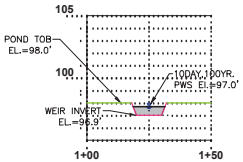
SITE BASIN I
CROSS SECTION VEIW B-B
LOOKING SOUTHEAST
HORZ. SCALE = 1" = 30'
VERT. SCALE = 1" = 6'



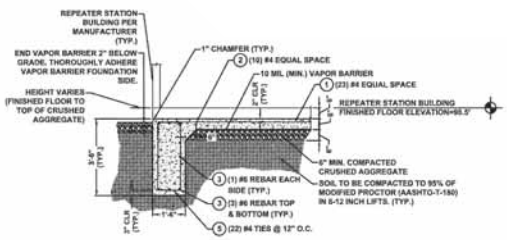
SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10



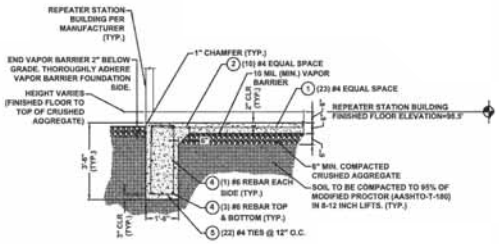
SITE BASIN I
CROSS SECTION VEIW C-C
LOOKING EAST
HORZ. SCALE = 1" = 30'
VERT. SCALE = 1" = 6'



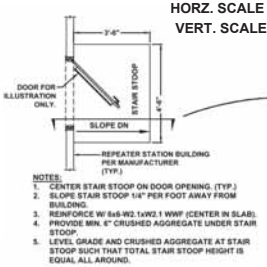
SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10



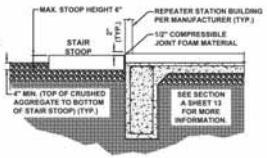
SECTION A - FOUNDATION DETAIL
N.T.S.



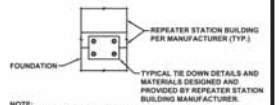
SECTION B - FOUNDATION DETAIL
N.T.S.



TYPICAL STAIR STOOP
PLANS
N.T.S.



TYPICAL STAIR STOOP
DETAIL
N.T.S.



NOTE:
BUILDING MANUFACTURER SHALL USE ANCHORS THAT DO NOT CONFLICT WITH THE CONCRETE REINFORCEMENT DURING INSTALLATION.

SECTION C - TYPICAL BUILDING TIE DOWN
N.T.S.

1. This document has been electronically signed and sealed by Michael Leahy, P.E., P.S.M. using a Digital Signature and date.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED UNDER MY DIRECTION ON THE DATE SHOWN BASED ON THE INFORMATION FURNISHED TO ME AS NOTED AND CONFORMS TO ACCEPTED ENGINEERING PRACTICES IN THE STATE OF FLORIDA, PURSUANT TO SECTION 471, FLORIDA STATUTES. IN ADDITION TO THE BEST OF THIS ENGINEER'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.

PROFESSIONAL ENGINEER
STATE OF
MICHAEL N. LEAHY
03-28-20
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 46287
PROFESSIONAL SURVEYOR & MAPPER No. 6638

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/27/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
REPEATER STATION SITE PLAN EXHIBIT

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 3 OF 3
SECTION: AS SHOWN
COUNTY: MADISON
FILE NAME: NFRC_EXH_SA02_R02.dwg

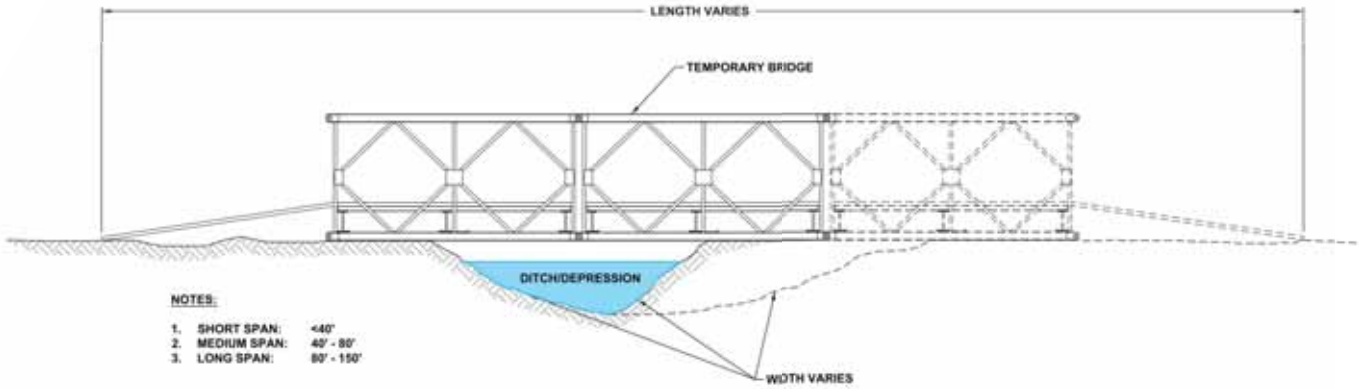
Gulf Power

NFRC REPEATER STATION EXHIBIT

LEGEND
EXISTING GROUND
PROPOSED GROUND

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Riven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_Repeater_R02.dwg PLOT DATE/TIME: 3/26/2020 - 4:23pm BY: Josh Baker

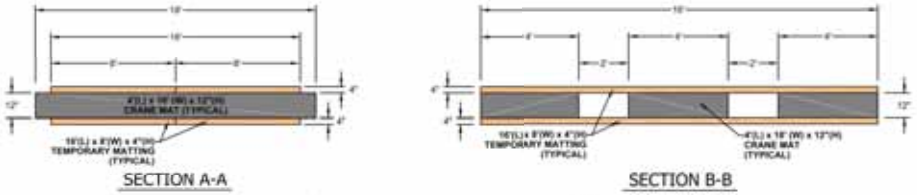
FPL 028882
20210015-EI

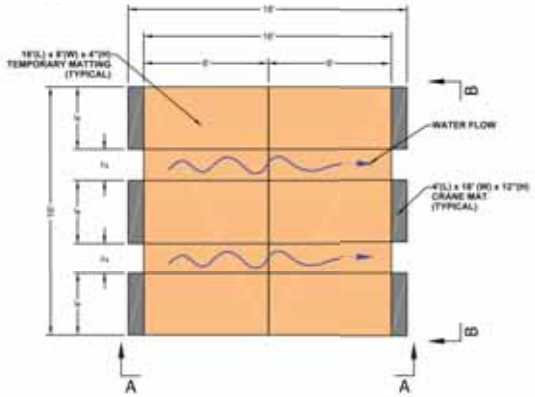


NOTES:

1. SHORT SPAN: <40'
2. MEDIUM SPAN: 40' - 80'
3. LONG SPAN: 80' - 150'

TYPICAL TEMPORARY BRIDGE DETAIL





TYPICAL TEMPORARY MATTING DETAIL

PHOTO OF TYPICAL LAYOUT
OF WOOD & PLANK MATTING

PHOTO OF TYPICAL LAYOUT
OF COMPOSITE MATTING

REV	DATE	DESCRIPTION	BY	CKD	APP
0	10/25/19	ISSUED FOR PERMIT SUBMITTAL	GCC	JJB	MKL

GULF POWER COMPANY

NORTH FLORIDA RESILIENCY CONNECTION

SCALE: NTS
DRAWN BY: GCC
ENGINEER: MKL
COUNTY: COLUMBIA
SHEET 5 OF 5

DATE: 10/25/19
CHECKED BY: JRC
SECTION: AS SHOWN
FILE NAME: NFRC STAGING AREAS

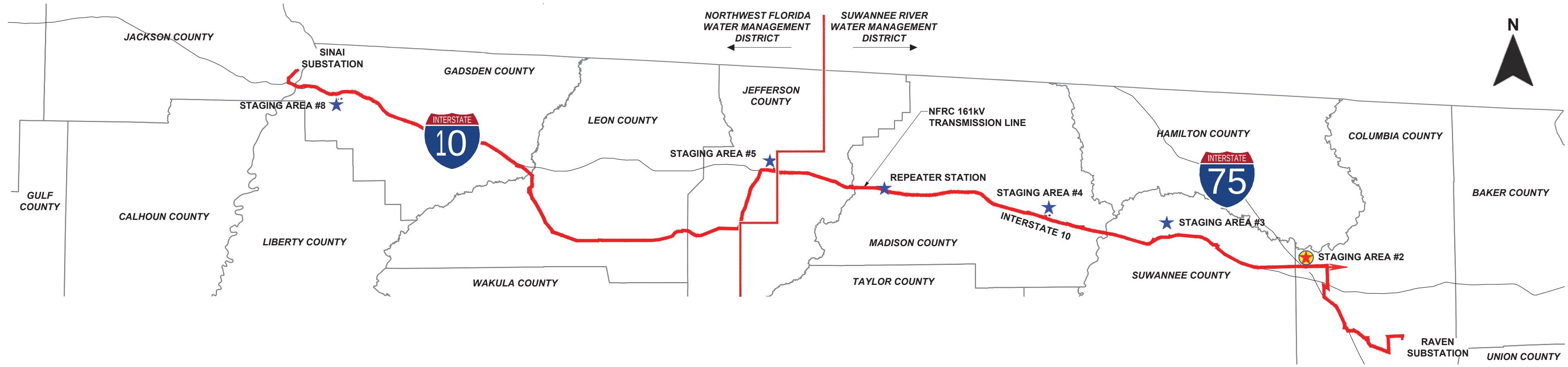
Gulf Power

TYPICAL WETLAND SITE
TEMPORARY MATTING
EXHIBIT DETAILS

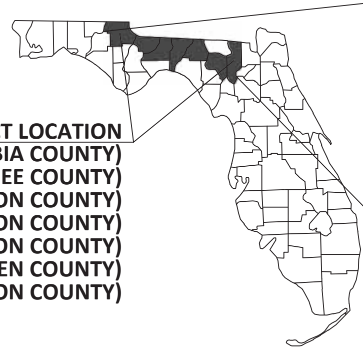
FPL 028883
20210015-EI

GULF POWER COMPANY

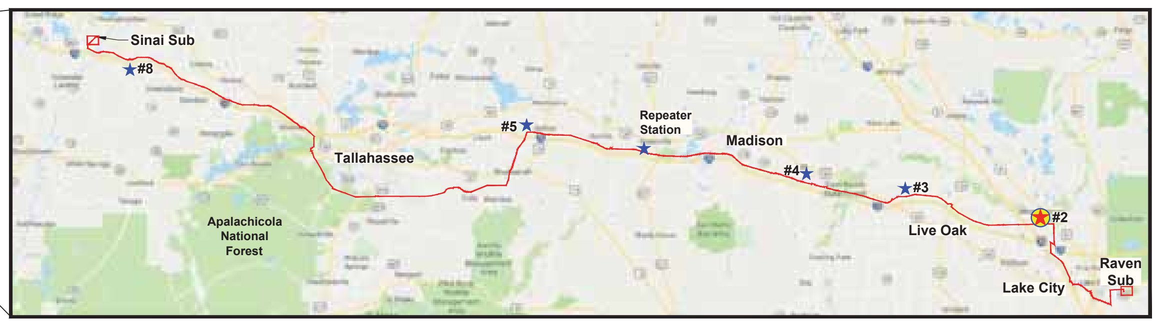
NFRC TRANSMISSION LINE PROJECT 2
TEMPORARY STAGING AREA NO. 2
SITE PLAN EXHIBIT



2



PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)



2 **LEGEND**

- PROPOSED STAGING AREAS
- & REPEATER STATION

811 Know what's below. before you dig.

Michael Leahy, P.E., P.S.M.

Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.03.31 23:41:08 -04'00'

1. This document has been electronically signed and sealed by Michael Leahy, P.E., P.S.M. using a Digital Signature and date.
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C O N T E N T S

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03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: 25-2S-15E
DRAFTER: GCC	CHECKED: JJB	COUNTY: COLUMBIA
SHEET: 1 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg PLOT DATE/TIME: 3/25/2020 - 5:03pm BY: Josh Baker

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 2
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #2 - COLUMBIA COUNTY - SRWMD
SUWANNEE VALLEY ROAD, LAKE CITY, FL
PID 25-2S-15-00093-000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 2 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 2 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITIION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 2 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 2 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF SUWANNEE VALLEY ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 2 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 2 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..
2. ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.
3. SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.
4. NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.
5. THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.
6. PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.
2. CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.
3. CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.
4. CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.
5. IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12023C0167D (DATED 11-02-18)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE X   AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: 25-2S-15E
DRAFTER: GCC	CHECKED: JJB	COUNTY: COLUMBIA
SHEET: 2 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg PLOT DATE/TIME: 3/25/2020 - 5:03pm BY: Josh Baker

Staging Area #2 - Columbia County - SRWMD
SUWANNEE Valley Road, Lake City, FL
PID 25-2S-15-00093-000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS

△3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 9.85 ACRES
GRAVEL DRIVE	± 2.03 ACRES
STORM PONDS	± 3.18 ACRES
OPEN/UNDEVELOPED	± 3.13 ACRES
TOTAL SITE AREA	± 18.19 ACRES

Table 4: Pond Storage Data

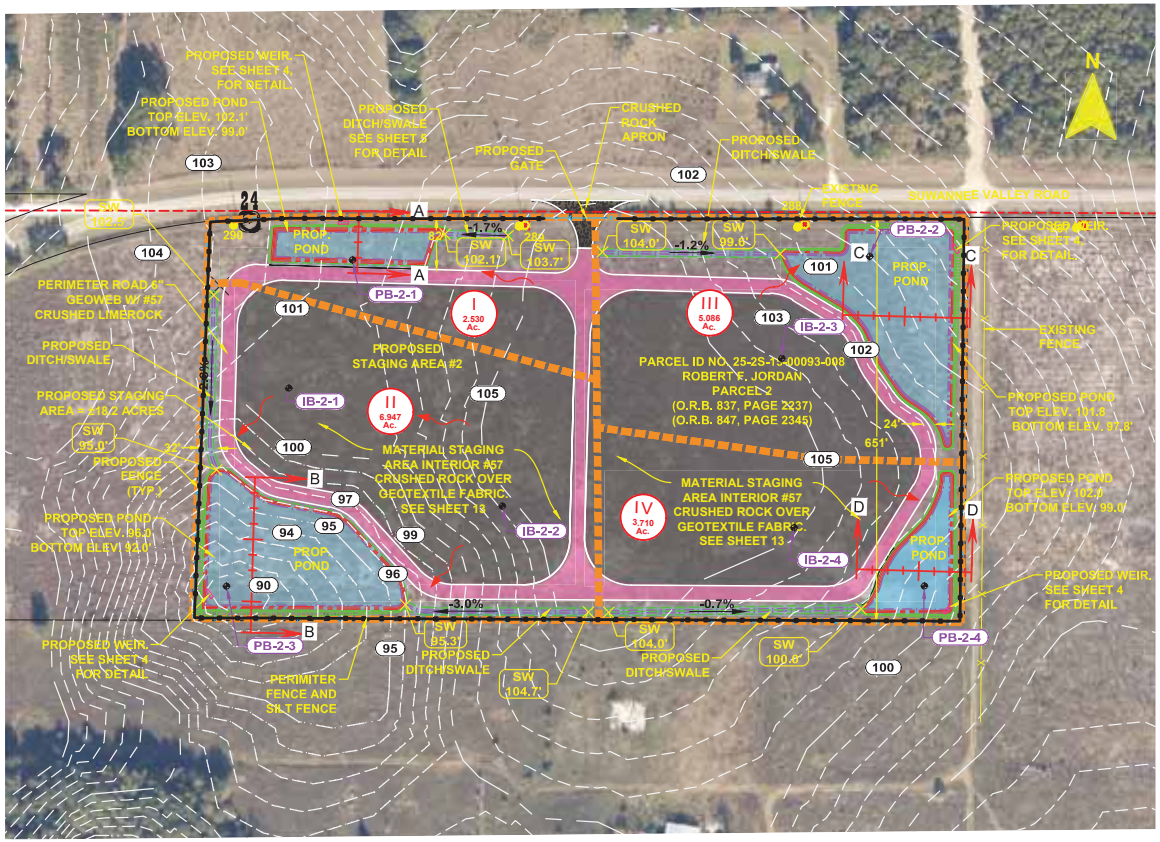
Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Q_{max} (cfs)
I	Top of Pond	102.1	0.37	3.07	24.53
	Peak Water Elev.	101.1			
	Weir Elev.	100.5			
	Bottom of Pond	97.5	0.24		
II	Top of Pond	96.0	1.20	4.10	13.40
	Peak Water Elev.	94.9			
	Weir Elev.	94.5			
	Bottom of Pond	92.0	1.03		
III	Top of Pond	101.8	1.17	3.89	1.92
	Peak Water Elev.	100.8			
	Weir Elev.	100.7			
	Bottom of Pond	97.8	0.97		
IV	Top of Pond	102.0	0.44	1.28	19.86
	Peak Water Elev.	101.0			
	Weir Elev.	100.3			
	Bottom of Pond	98.0	0.32		

△3

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
I	0.11	0.15	Not Accounted in Treatment Calculation	6
II	0.55	0.73	Not Accounted in Treatment Calculation	60
III	0.24	0.43	Not Accounted in Treatment Calculation	12
IV	0.17	0.42	Not Accounted in Treatment Calculation	12

△3



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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CA #31323 LB #364

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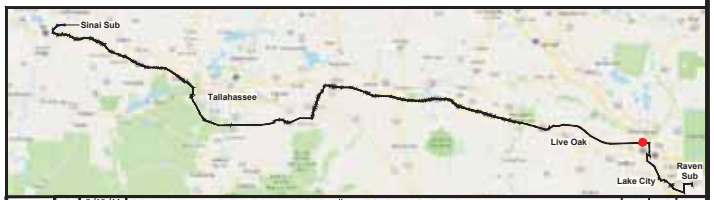
STATE OF FLORIDA
03-31-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 42287
PROFESSIONAL SURVEYOR & MAPPER NO. 6508

0 100 200
1 INCH = 200 FEET



NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: 1" = 200'
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: COLUMBIA
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

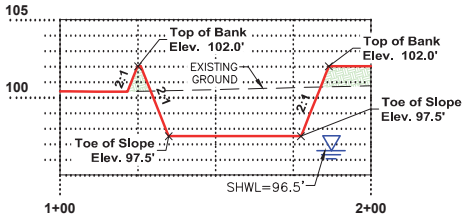
STAGING AREA NO. 2 SITE PLAN EXHIBIT

FPL 028886
20210015-EI

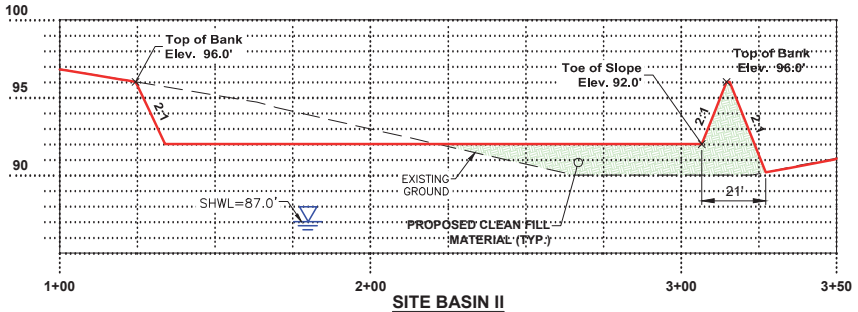
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg
PLOT DATE/TIME: 3/25/2020 - 5:04pm BY: Josh Baker

Staging Area #2 - Columbia County - SRWMD
Suwannee Valley Road, Lake City, FL
PID 25-2S-15-00093-000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



SITE BASIN I
CROSS SECTION VIEW A-A
LOOKING EAST
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



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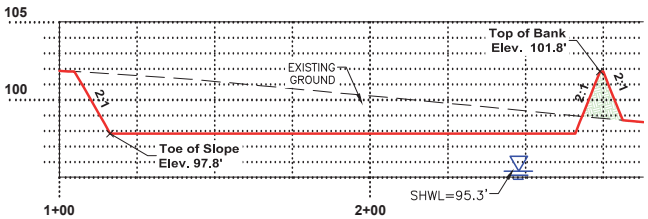
CROSS SECTION VIEW B-B
LOOKING EAST
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



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CROSS SECTION VIEW C-C
LOOKING NORTH
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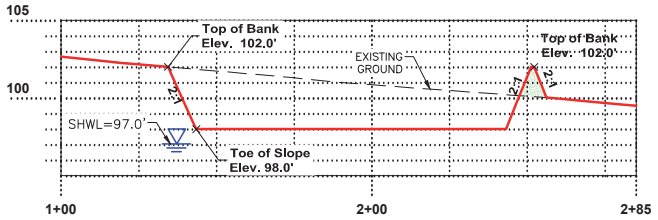
VERT. SCALE = 1" = 8'



SITE BASIN IV
CROSS SECTION VIEW D-D
LOOKING NORTH
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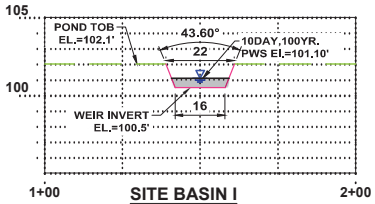
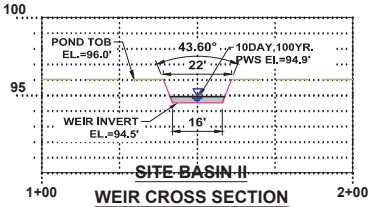
VERT. SCALE = 1" = 8'



SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN II
WEIR CROSS SECTION
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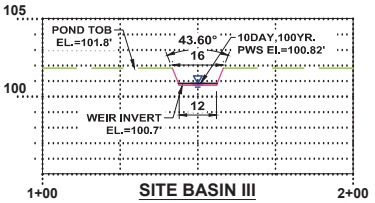
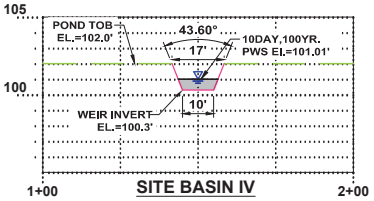
VERT. SCALE = 1" = 8'



SITE BASIN III
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN IV
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'

GENERAL NOTES:

1. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.

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LEGEND

EXISTING GROUND
PROPOSED GROUND

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STATE OF FLORIDA
MICHAEL K. LEAHY
LICENSE NO. 67287
PROFESSIONAL ENGINEER
03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 67287
PROFESSIONAL SURVEYOR AND MAPPER NO. 6467

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/25/20	REVISIONS, CLARIFICATIONS FOR RAI#2A RESPONSE 3-23-19	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

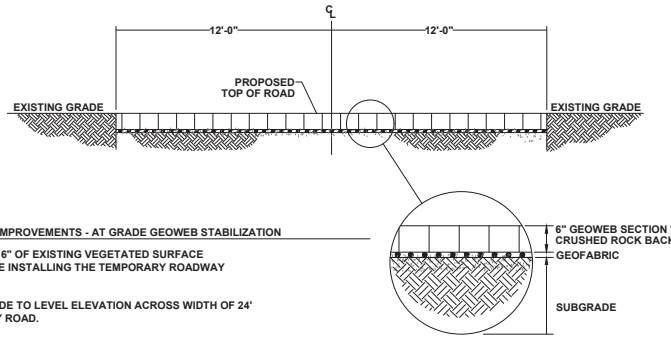
NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 2 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 4 OF 6
SECTION: AS SHOWN
COUNTY: COLUMBIA
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

FPL 028887
20210015-EI

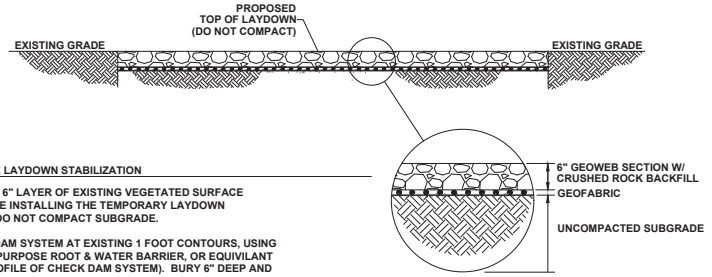


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

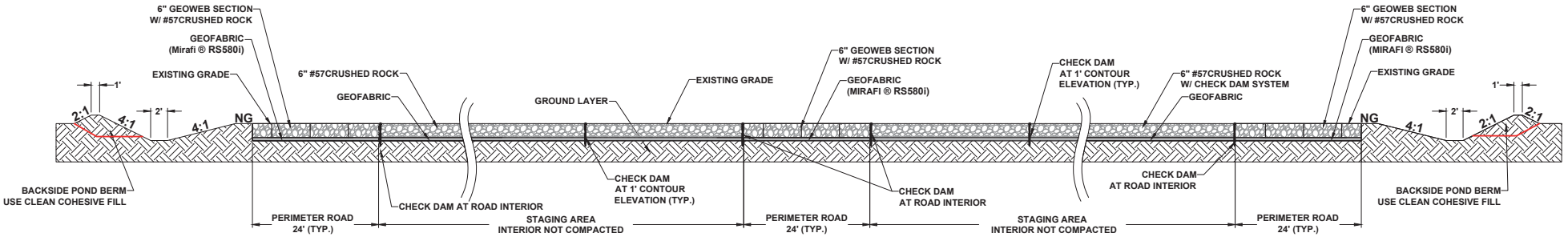


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

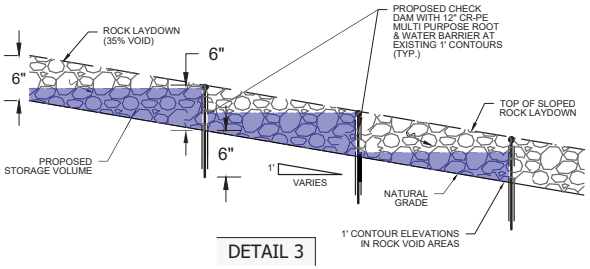
DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



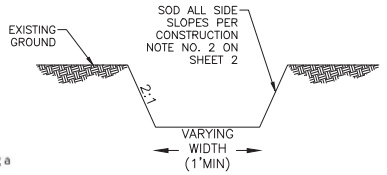
DETAIL 4

TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 5

STANDARD SWALE CROSS SECTION

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STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 46287
PROFESSIONAL SURVEYOR & MAPPER NO. 5967
03-28-20

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
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2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREAS SITE PLANS EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

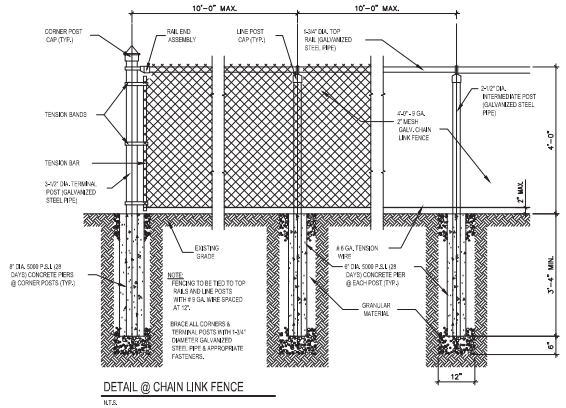
SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 5 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

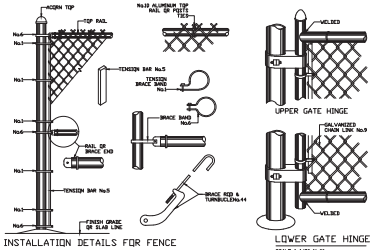
STAGING AREA NO. 2 SITE PLAN EXHIBIT

FPL 028888
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE
N.T.S.

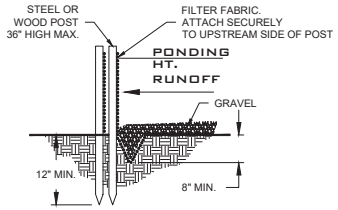


INSTALLATION DETAILS FOR FENCE

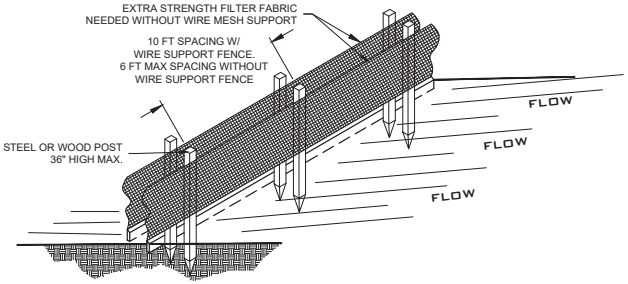
LOWER GATE HINGE
SCALE 1 1/2"=1'-0"

CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA
PROFESSIONAL ENGINEER
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 46287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREAS SITE PLANS EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 6 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

STAGING AREA NO. 2
SITE PLAN EXHIBIT

FPL 028889
20210015-EI

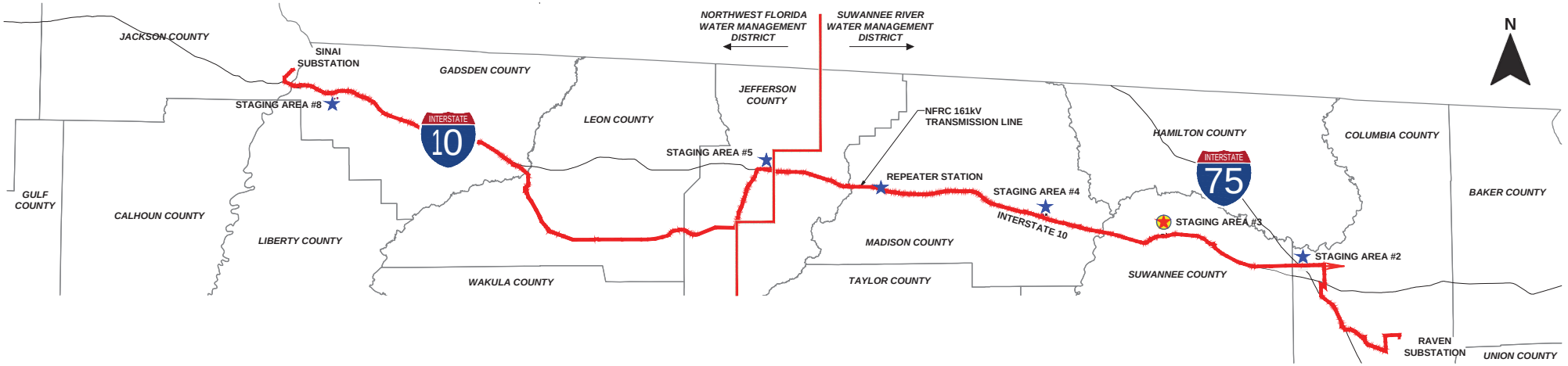
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA02_R02.dwg PLOT DATE/TIME: 3/25/2020 - 5:06pm BY: Josh Baker

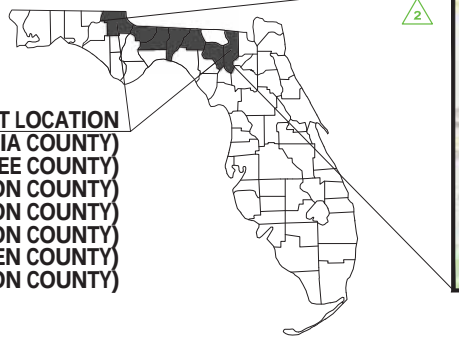
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

TEMPORARY STAGING AREA NO. 3

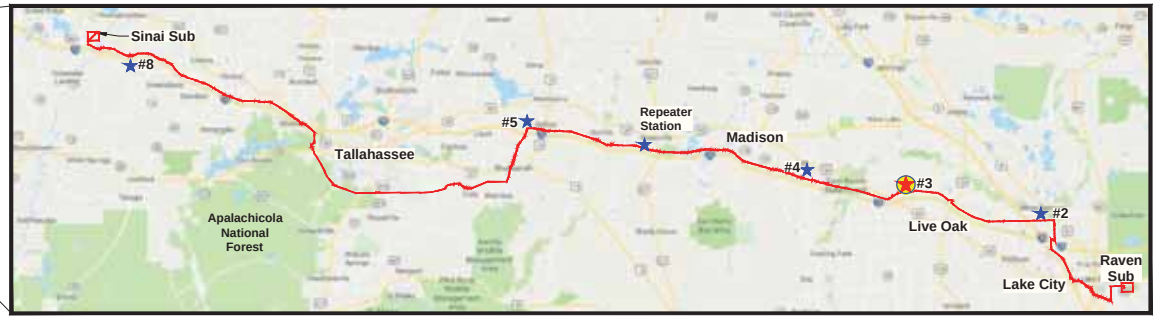
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2



△2 **LEGEND**

PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS △2

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PROFESSIONAL ENGINEER MICHAEL K. LEAHY No. 45287 STATE OF FLORIDA

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

Michael Leahy, P.E., P.S.M.

Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.03.31 23:49:48 -04'00'

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Know what's **below.** before you dig.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/26/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE	
SHEET: 1 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

STAGING AREA NO. 3 SITE PLAN EXHIBIT

FPL 028890
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:27am BY: Josh Baker

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 3
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #3 - SUWANNEE COUNTY - SRWMD
153RD ROAD, LIVE OAK, FL
PID 36-01S-12E-0981400.0000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 3 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 3 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 3 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 3 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF 153RD ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 3 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 3 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. **NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..**
2. **ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.**
3. **SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.**
4. **NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.**
5. **THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.**
6. **PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.**

CONSTRUCTION NOTES:

1. **CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.**
2. **CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.**
3. **CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.**
4. **CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.**
5. **IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.**

FLOOD ZONE NOTES:

1. **FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:**

   MAP NUMBER 12023C0167D (DATED 11-02-18)

2. **APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:**

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

NOTICE:
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PICKETT
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STATE OF FLORIDA
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 49287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE	
SHEET: 2 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

STAGING AREA NO. 3 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:27am BY: Josh Baker

FPL 028891
20210015-EI

Staging Area #3 - Suwannee County - SRWMD
153rd Road, Live Oak, FL
PID 36-01S-12E-0981400.0000

△3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 13.24 ACRES
GRAVEL DRIVE	± 2.25 ACRES
STORM PONDS	± 5.09 ACRES
OPEN/UNDEVELOPED	± 4.58 ACRES
TOTAL SITE AREA	± 25.16 ACRES

Table 4: Pond Storage Data

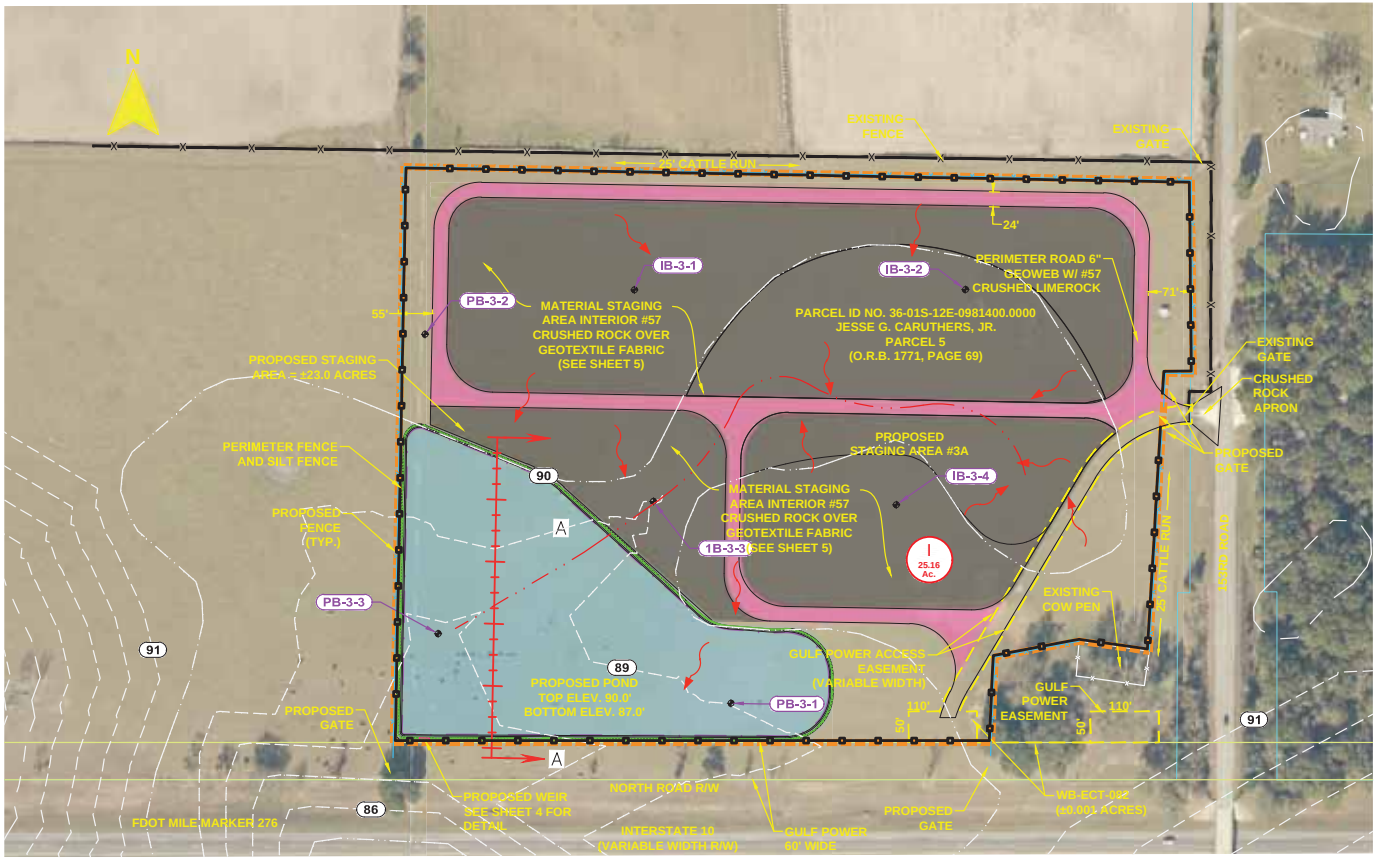
Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Q_{100} (cfs)
1	Top of Pond	90.0	5.09	12.18	15.14
	Peak Water Elev.	88.9			
	Weir Elev.	88.5			
	Bottom of Pond	87.5	4.85		

△3

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	1.17	2.32	Not Accounted in Treatment Calculation	6

△3



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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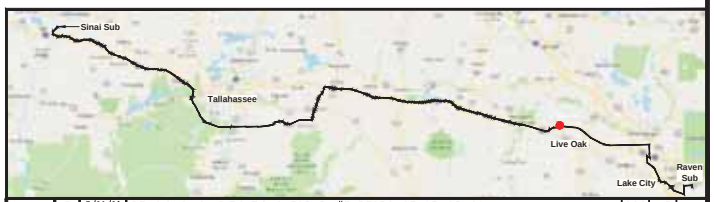
0 100 200
1 INCH = 200 FEET



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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: 1"=200'
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: SUWANNEE
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

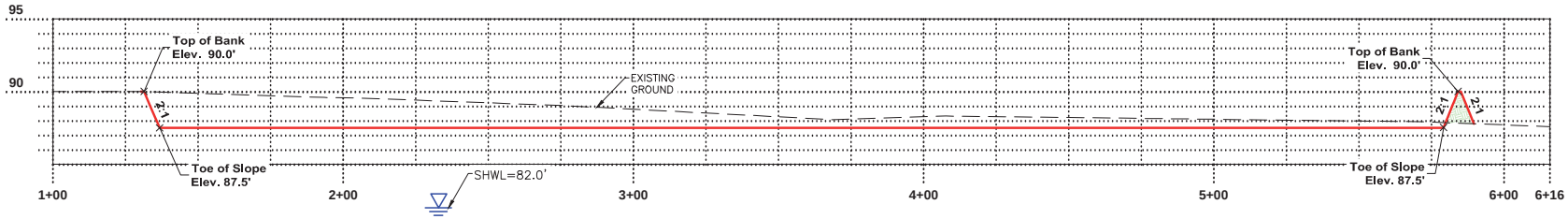
NFRC STAGING AREA NUMBER 3 SITE PLAN

FPL 028892
20210015-EI

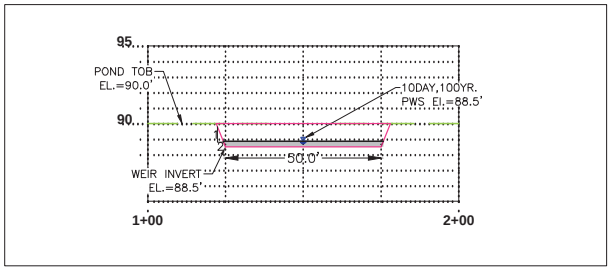
PLOT DATE/TIME: 3/26/2020 – 10:27am BY: Josh Baker
CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg

Staging Area #3 - Suwannee County - SRWMD
153rd Road, Live Oak, FL
PID 36-01S-12E-0981400.0000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



SITE BASIN I
CROSS SECTION VEIW A-A
LOOKING EAST
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'

LEGEND

EXISTING GROUND
PROPOSED GROUND

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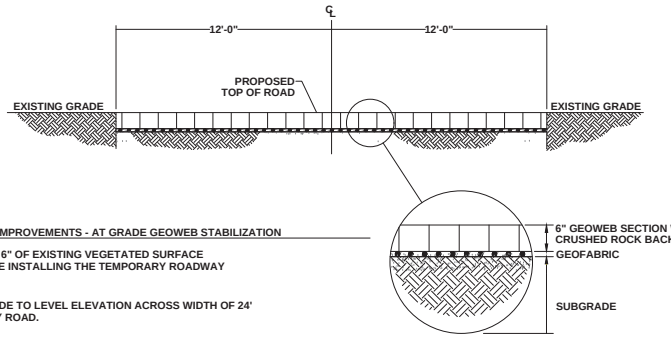
SHEET: 4 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

NFRC STAGING AREA NUMBER 3 SITE PLAN

FPL 028893
20210015-EI

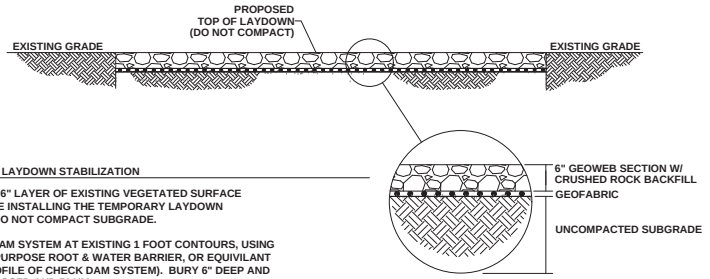


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

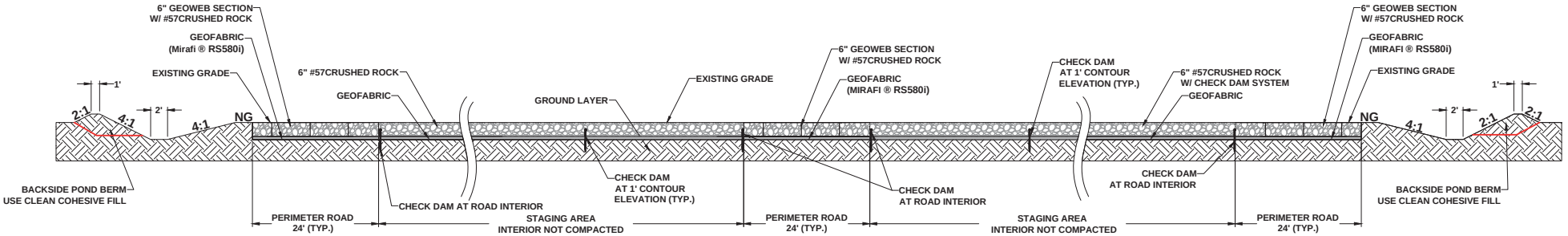


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

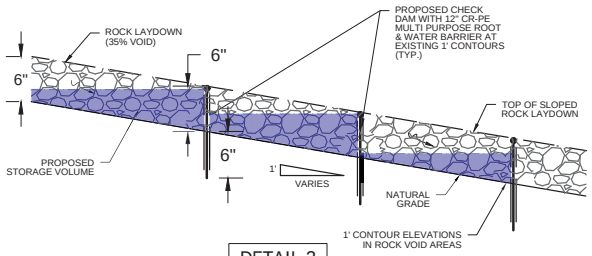
1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL

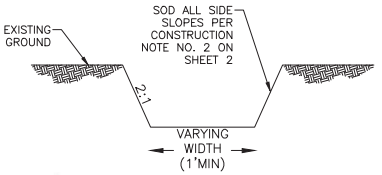


TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS



STANDARD SWALE CROSS SECTION
N.T.S.

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STATE OF FLORIDA — PROFESSIONAL ENGINEER — MICHAEL K. LEAHY — No. 45287
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER, No. 45287
PROFESSIONAL SURVEYOR & MAPPER, No. 5658

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2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

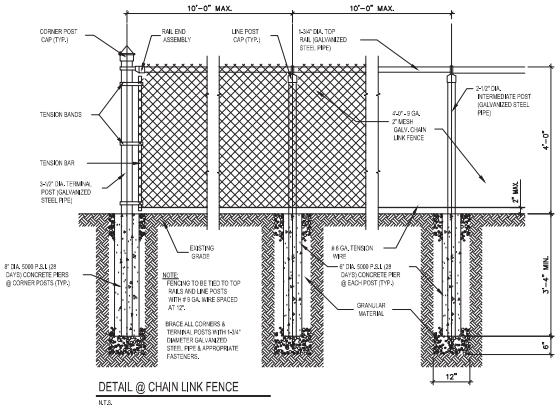
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE	
SHEET: 5 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

Gulf Power

NFRC STAGING AREA NUMBER 3 SITE PLAN

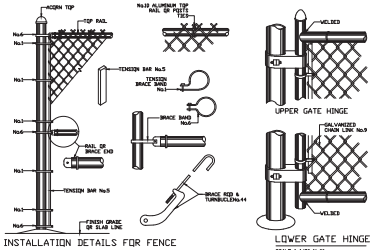
FPL 028894
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

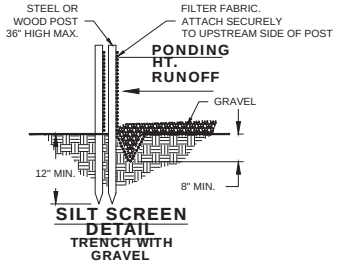
N.T.S.



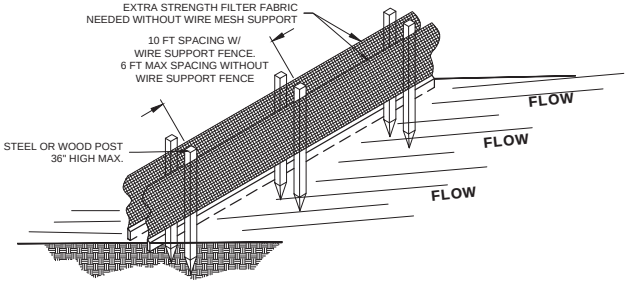
INSTALLATION DETAILS FOR FENCE

CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA — PROFESSIONAL ENGINEER — No. 45287

03-28-20

MICHAEL B. LEAHY
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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 3 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: SUWANNEE	
SHEET: 6 OF 6		FILE NAME: NFRC_EXH_SA02_R02.dwg	

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NFRC STAGING AREA NUMBER 3 SITE PLAN

FPL 028895
20210015-EI

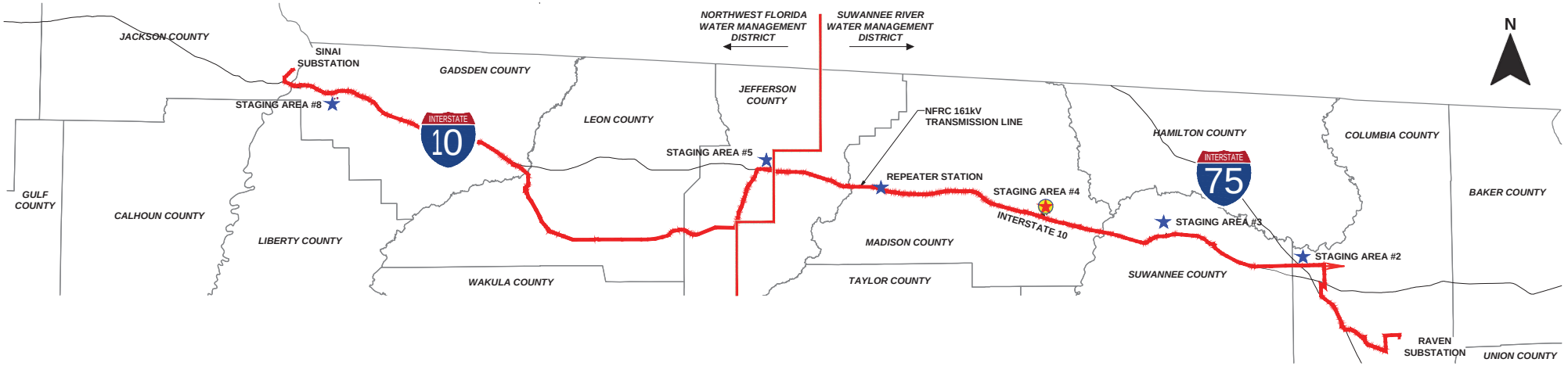
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA03_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:29am BY: Josh Baker

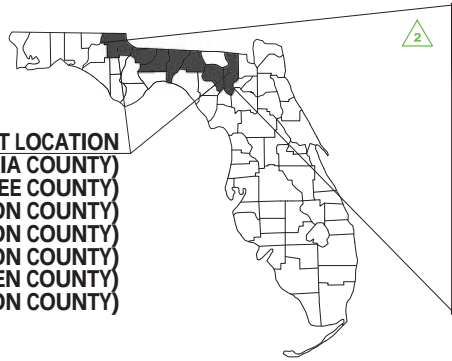
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

TEMPORARY STAGING AREA NO. 4

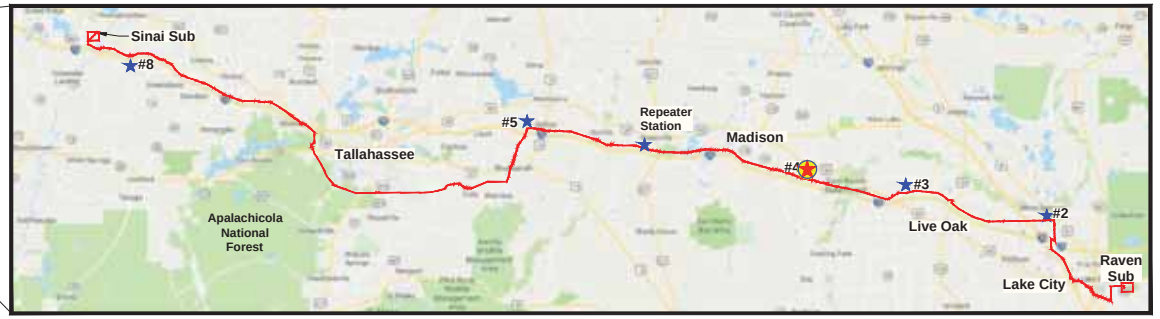
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2



△2 **LEGEND**

PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

△2

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Michael Leahy, P.E., P.S.M.
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Date: 2020.03.31 23:58:41 -04'00'

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811 Know what's **below.** before you dig.

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: 21-1S-10E	
DRAFTER: GCC	CHECKED: JJB	COUNTY: MADISON	
SHEET: 1 OF 6		FILE NAME: NFRC_EXH_SA04_R02.dwg	

Gulf Power

STAGING AREA NO. 4 SITE PLAN EXHIBIT

FPL 028896
20210015-EI

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 4
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #4 - MADISON COUNTY - SRWMD
S. DALE LESLIE DR., MADISON, FL
PID 21-1S-10-1290-001-000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 4 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 4 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITIION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING SUWANNEE RIVER WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 4 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 4 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF SE DALE LESLIE DRIVE. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 4 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 4 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..
2. ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.
3. SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.
4. NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.
5. THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.
6. PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.
2. CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.
3. CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.
4. CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.
5. IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12079C0314C (DATED 05-03-10)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE A AREA SUBJECT TO THE 100-YEAR FLOOD PLAIN
   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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03-28-20

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 2 OF 6
SECTION: 21-1S-10E
COUNTY: MADISON
FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

STAGING AREA NO. 4
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:20am BY: Josh Baker

FPL 028897
20210015-EI

Staging Area #4 - Madison County - SRWMD
S. Dale Leslie Dr., Madison, FL
PID 21-1S-10-1290-001-000 (3)

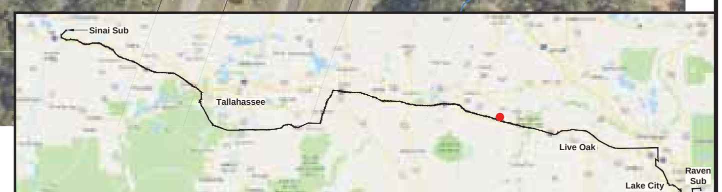
SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 29.93 ACRES
GRAVEL DRIVE	± 4.64 ACRES
STORM PONDS	± 7.43 ACRES
OPEN/UNDEVELOPED	± 8.13 ACRES
TOTAL SITE AREA	± 50.13 ACRES

Table 4: Pond Storage Data (3)

Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (ac-ft)	Peak Discharge (100-Year, 10-Day Storm) Qpo (cfs)
I	Top of Pond	90.0	0.55	0.95	3.46
	Peak Water Elev.	89.1			
	Weir Elev.	88.9			
	Bottom of Pond	88.0	0.45		
II	Top of Pond	88.0	0.56	4.10	8.54
	Peak Water Elev.	87.1			
	Weir Elev.	86.9			
	Bottom of Pond	85.0	0.47		
III	Top of Pond	84.5	1.58	5.53	13.99
	Peak Water Elev.	83.6			
	Weir Elev.	83.0			
	Bottom of Pond	80.0	1.21		
IV	Top of Pond	85.3	2.34	10.96	18.82
	Peak Water Elev.	84.5			
	Weir Elev.	83.4			
	Bottom of Pond	79.3	1.83		
V.1	Top of Pond	94.9	0.74	1.84	0.38
	Peak Water Elev.	93.9			
	Weir Elev.	93.9			
	Bottom of Pond	91.9	0.61		
V.2	Top of Pond	94.3	1.60	4.21	2.66
	Peak Water Elev.	93.3			
	Weir Elev.	93.2			
	Bottom of Pond	91.3	1.42		

Table 5: Summary of Treatment Volume and Recovery (3)

Basin No.	Treatment Volume Required (ac-ft)	Treatment Volume Provided (ac-ft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
I	0.08	0.06	Not Accounted in Treatment Calculation	36
II	0.14	0.29	Not Accounted in Treatment Calculation	12
III	0.56	1.39	Not Accounted in Treatment Calculation	12
IV	1.03	2.75	Not Accounted in Treatment Calculation	24
V	0.45	0.76	Not Accounted in Treatment Calculation	24



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5× EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

NOTICE:
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CA #31323 LB #364

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PROFESSIONAL ... STATE OF FLORIDA
03-31-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

0 100 200
1 INCH = 200 FEET

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/26/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: 1"=200'	ENGINEER: MKL	SECTION: 21-1S-10E
DRAFTER: GCC	CHECKED: JJB	COUNTY: MADISON
SHEET: 4 OF 6		FILE NAME: NFRC_EXH_SA04_R02.dwg

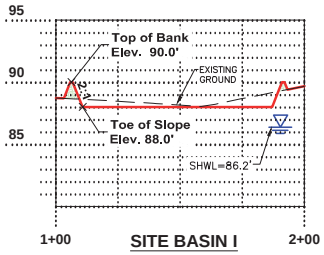
Gulf Power

STAGING AREA NO. 4 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:20am BY: Josh Baker

Staging Area #4 - Madison County - SRWMD
S. Dale Leslie Dr., Madison, FL
PID 21-1S-10-1290-001-000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 13 FOR TYPICAL CONSTRUCTION DETAILS



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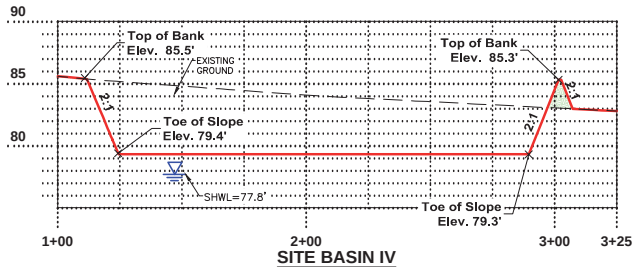
CROSS SECTION VEIW A-A
LOOKING NORTH
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



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LOOKING NORTH
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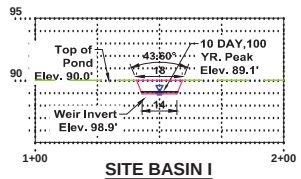

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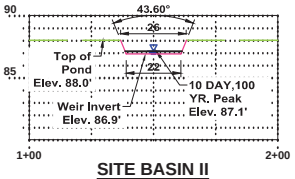

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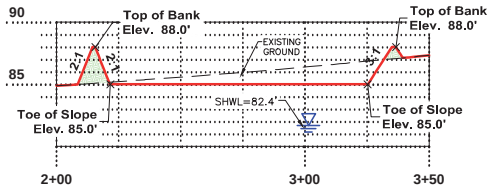
VERT. SCALE = 1" = 10'



SITE BASIN II
CROSS SECTION VEIW C-C
LOOKING EAST
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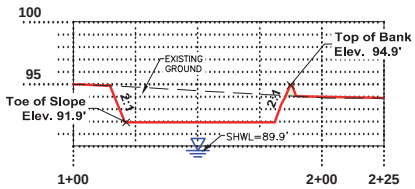

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CROSS SECTION VEIW H-H
LOOKING EAST
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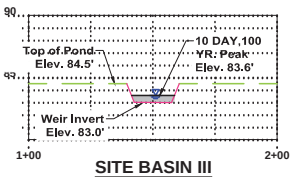

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CROSS SECTION VEIW
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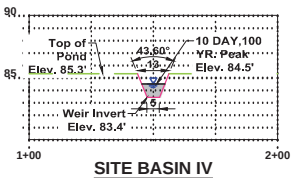

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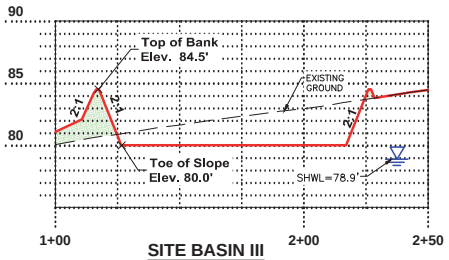

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CROSS SECTION VEIW D-D
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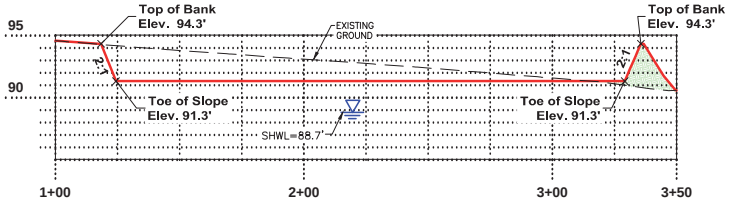

SITE BASIN V
CROSS SECTION VEIW L-L
LOOKING EAST
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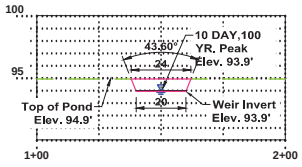

SITE BASIN V.1
CROSS SECTION VEIW
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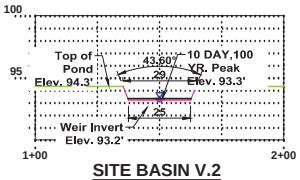
VERT. SCALE = 1" = 10'



SITE BASIN V.2
CROSS SECTION VEIW
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'

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LEGEND

EXISTING GROUND
PROPOSED GROUND

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-28-20
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

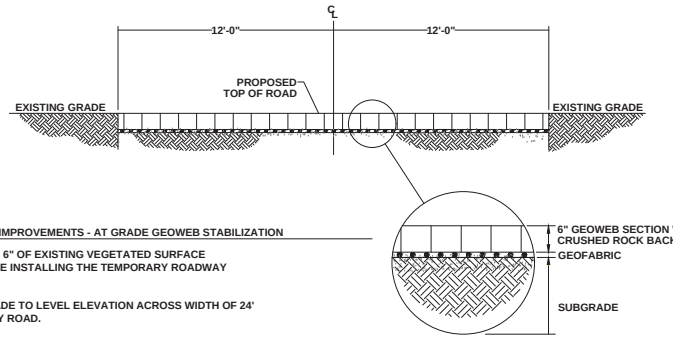
NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 4 OF 6
SECTION: 21-1S-10E
COUNTY: MADISON
FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

STAGING AREA NO. 4
SITE PLAN EXHIBIT

FPL 028899
20210015-EI

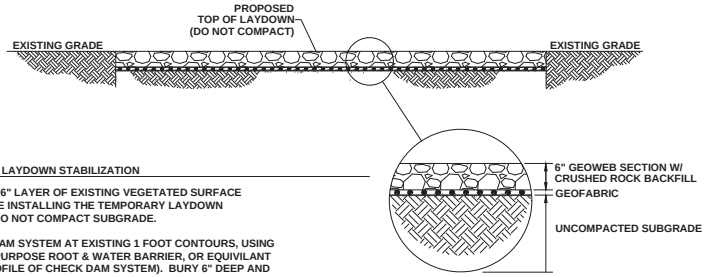


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

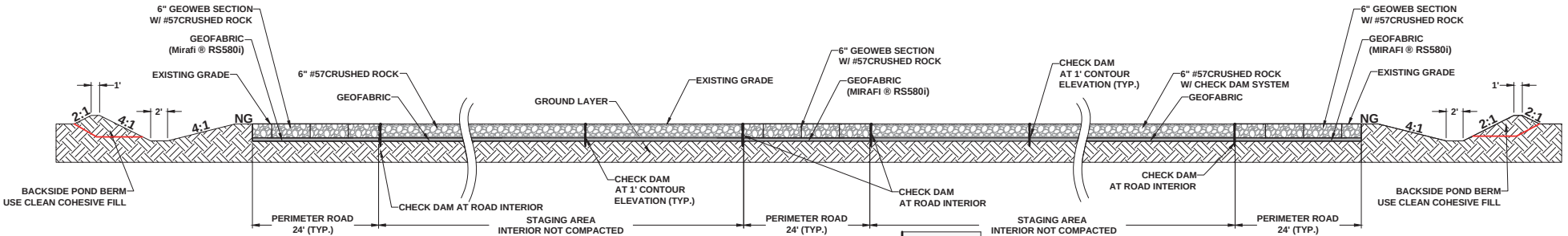


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

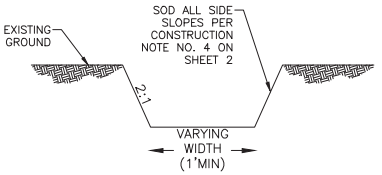
DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



DETAIL 4

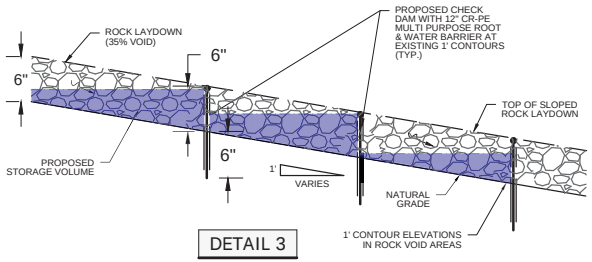
TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 5

STANDARD SWALE CROSS SECTION

N.T.S.



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS

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STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR AND MAPPER No. 5658

03-28-20

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

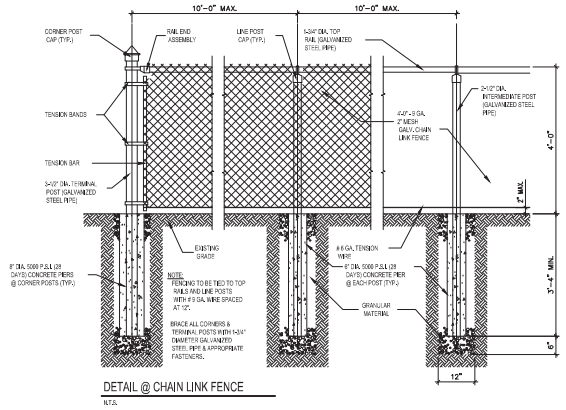
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 5 OF 6		FILE NAME: NFRC_EXH_SA04_R02.dwg	

Gulf Power

STAGING AREA NO. 4 SITE PLAN EXHIBIT

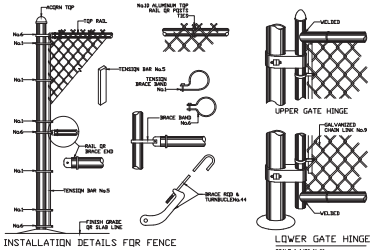
FPL 028900
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

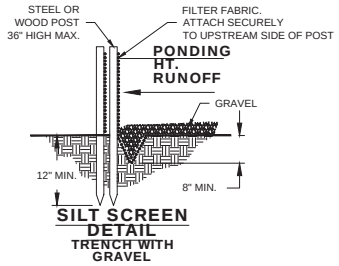
N.T.S.



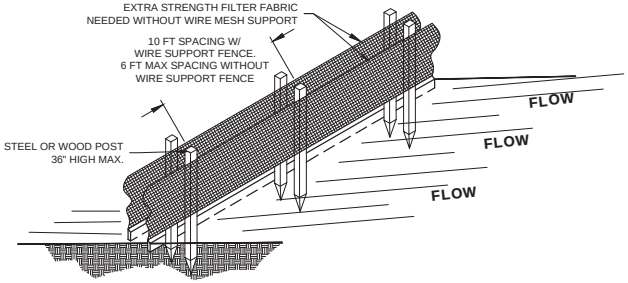
INSTALLATION DETAILS FOR FENCE

CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 45287

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 4 SITE PLANS EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
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DRAFTER: GCC
CHECKED: JJB
SHEET: 6 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: NFRC_EXH_SA04_R02.dwg

Gulf Power

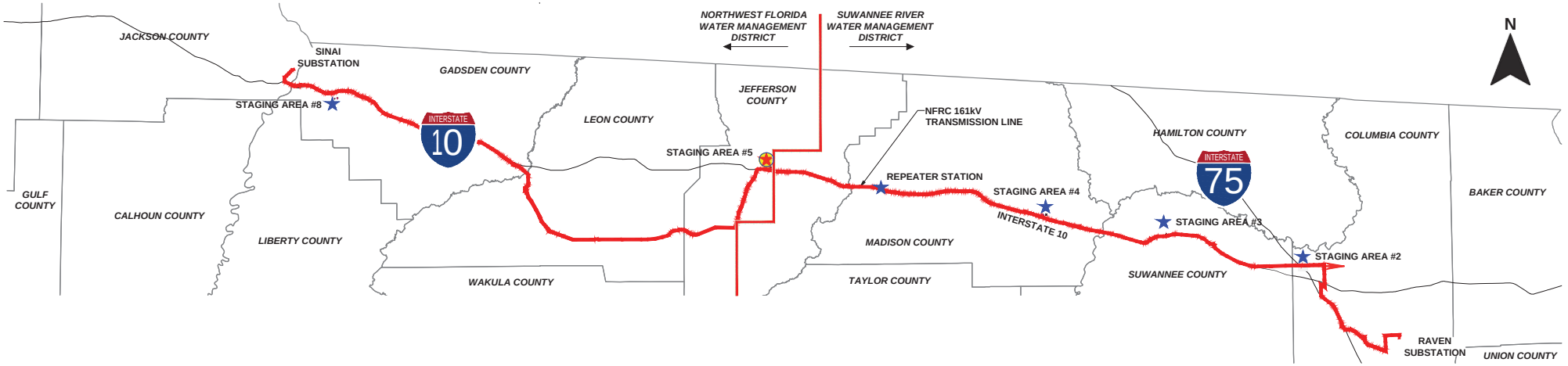
STAGING AREA NO. 4 SITE PLAN EXHIBIT

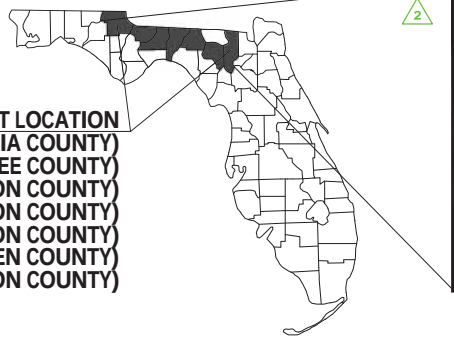
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA04_R02.dwg PLOT DATE/TIME: 3/26/2020 - 10:21am BY: Josh Baker

FPL 028901
20210015-EI

GULF POWER COMPANY

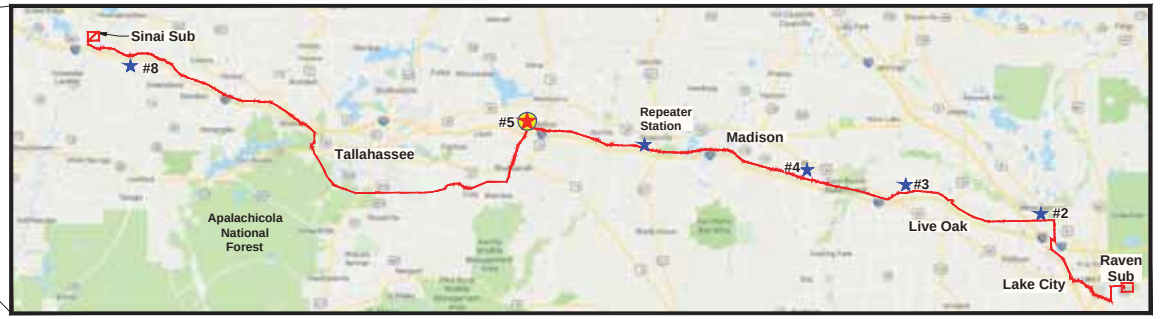
NFRC TRANSMISSION LINE PROJECT △2
TEMPORARY STAGING AREA NO. 5
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2



△2 **LEGEND**

PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS △2

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03-28-20

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FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR AND MAPPER No. 5658

Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.04.01 00:06:25 -04'00'

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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

811 Know what's **below.** before you dig.

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 1 OF 6		FILE NAME: 191021_EXH_SA05_R02.dwg	

Gulf Power

STAGING AREA NO. 5 SITE PLAN EXHIBIT

FPL 028902
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Roven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA05_R02.dwg PLOT DATE/TIME: 3/26/2020 - 11:06am BY: Josh Baker

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 5
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #5 - JEFFERSON COUNTY - NWFWMD
CAMPGROUND ROAD, MONTICELLO, FL
PID 14-1N-4E-0000-0042-0000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 5 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 5 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 5 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 5 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF CAMPGROUND ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 5 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 5 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. **NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..**
2. **ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.**
3. **SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.**
4. **NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.**
5. **THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.**
6. **PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.**

CONSTRUCTION NOTES:

1. **CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.**
2. **CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.**
3. **CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.**
4. **CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.**
5. **IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.**

FLOOD ZONE NOTES:

1. **FLOOD ZONE INFORMATION BASED ON THE JEFFERSON COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:**

   MAP NUMBER 12065C0300C (DATED 02-05-14)

2. **APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:**

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

NOTICE:
CONTRACTOR SHALL VERIFY ALL CONDITIONS ON JOB SITE & NOTIFY PROJECT MANAGER AND ENGINEER OF ANY VARIATIONS FROM DIMENSIONS SHOWN ON THESE DRAWINGS BEFORE PROCEEDING WITH ANY CONSTRUCTION.

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED UNDER MY DIRECTION ON THE DATE SHOWN BASED ON THE INFORMATION FURNISHED TO ME AS NOTED AND CONFORMS TO ACCEPTED ENGINEERING PRACTICES IN THE STATE OF FLORIDA PURSUANT TO SECTION 471 OF FLORIDA STATUTES AND THAT, TO THE BEST OF THIS ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.

STATE OF FLORIDA PROFESSIONAL ENGINEER

03-28-20

MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

1. This document has been electronically signed and sealed by Michael Leahy, P.E., P.S.M. using a Digital Signature and date.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
2	3/27/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
2	3/17/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 2 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

STAGING AREA NO. 5
SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA05_R02.dwg PLOT DATE/TIME: 3/26/2020 - 11:06am BY: Josh Baker

FPL 028903
20210015-EI

Staging Area #5 - Jefferson County - NWFWMD
Campground Road, Monticello, FL
PID 14-1N-4E-0000-0042-0000

3

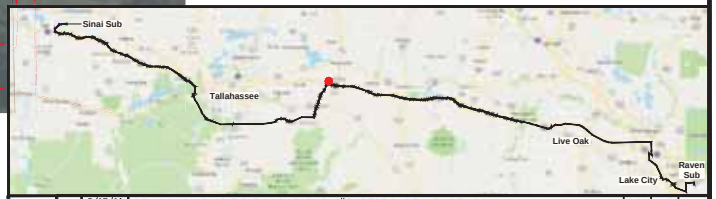
SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 13.06 ACRES
GRAVEL DRIVE	± 1.84 ACRES
STORM PONDS	± 1.45 ACRES
OPEN/UNDEVELOPED	± 2.32 ACRES
TOTAL SITE AREA	± 18.67 ACRES

Table 4: Pond Storage Data

Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (25-Year, 24-Hour Storm) Q_{25} (cfs)
I.1 Primary/ Eastern	Top of Pond	190.0	1.45	2.10	29.28
	Peak Water Elev.	189.1			
	Weir Elev.	188.0			
	Bottom of Pond	187.5	1.31		
I.2 West	Top of Pond	193.5	0.27	0.53	0.00
	Peak Water Elev.	193.2			
	Bottom of Pond	191.0	0.22		
I.3 North	Top of Pond	190.5	0.66	1.08	0.00
	Peak Water Elev.	190.3			
	Bottom of Pond	188.5	0.55		

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	0.81	2.29	3.21	72



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658
03-31-20

0 50 100
1 INCH = 100 FEET

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: JEFFERSON
FILE NAME: 191021_EXH_SA_R02.dwg

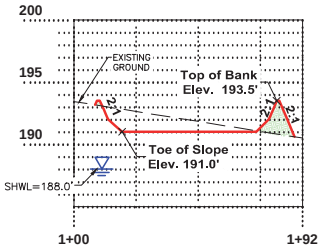
Gulf Power

NFRC STAGING AREA NUMBER 5 SITE PLAN

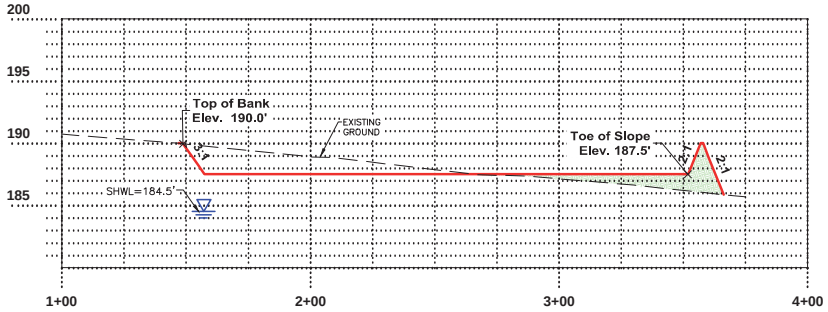
FPL 028904
20210015-EI

Staging Area #5 - Jefferson County - NWFWMD
Campground Road, Monticello, FL
PID 14-1N-4E-0000-0042-0000

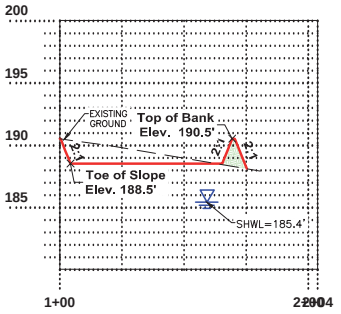
SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



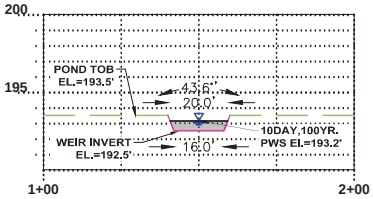
WEST POND I.2
CROSS SECTION VIEW A-A
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



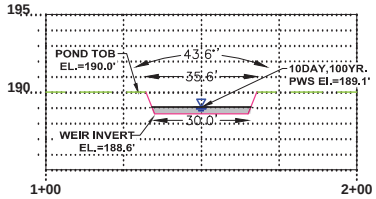
PRIMARY POND I.1
CROSS SECTION VIEW B-B
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



NORTH POND I.3
CROSS SECTION VIEW C-C
LOOKING EAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



WEST POND I.2
WEIR OUTLET TO POND I.1
CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'



PRIMARY POND
WEIR CROSS SECTION
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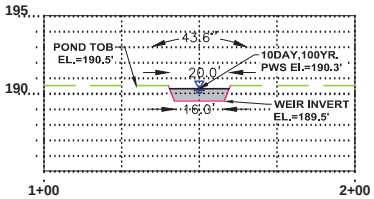

NORTH POND I.3
WEIR OUTLET TO POND I.1
CROSS SECTION
HORZ. SCALE = 1" = 40'
VERT. SCALE = 1" = 8'

GENERAL NOTES:

1. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.

LEGEND

EXISTING GROUND
PROPOSED GROUND

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PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

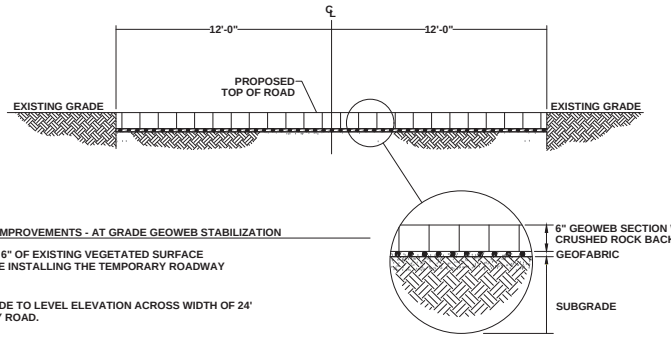
SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 4 OF 6
SECTION: AS SHOWN
COUNTY: JEFFERSON
FILE NAME: 191021_EXH_SA_R02.dwg

Gulf Power

NFRC STAGING AREA
NUMBER 5 SITE PLAN

FPL 028905
20210015-EI

CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Roven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA05_R02.dwg
PLOT DATE/TIME: 3/26/2020 - 11:07am BY: Josh Baker

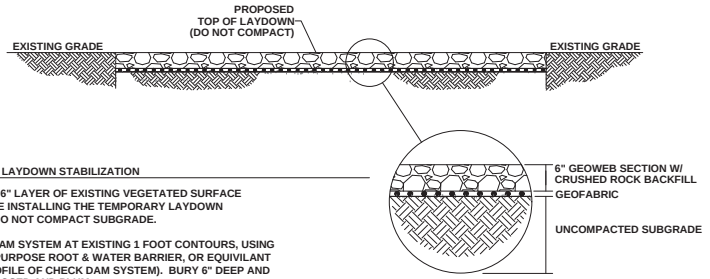


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

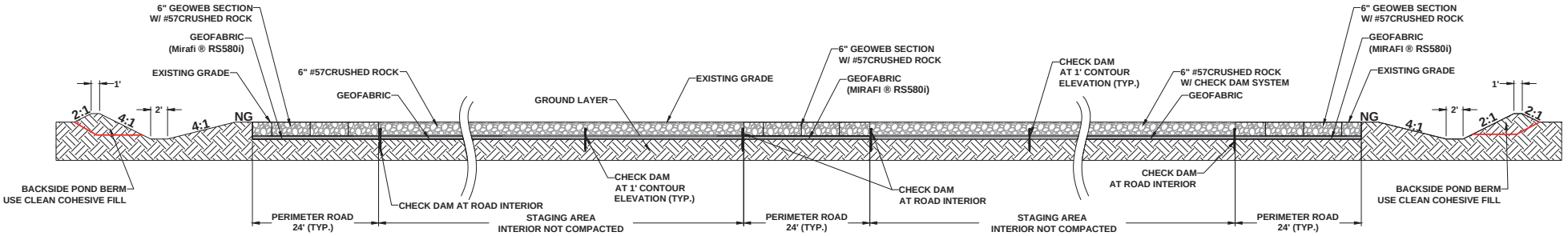


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

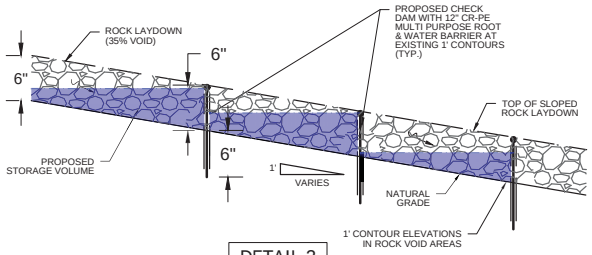
1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

DETAIL 2

TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL

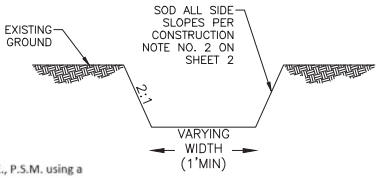


TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS



STANDARD SWALE CROSS SECTION
N.T.S.

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-26-20
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 49287
FLORIDA LICENSED SURVEYOR & MAPPER NO. 6558

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2	3/17/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

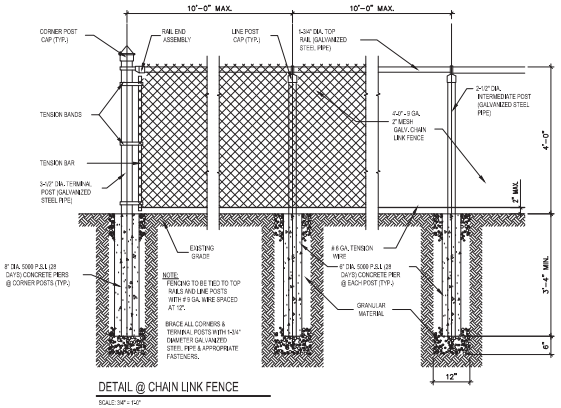
SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: AS SHOWN	
SHEET: 5 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

NFRC STAGING AREA CONSTRUCTION DETAILS

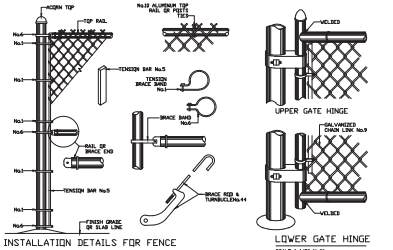
FPL 028906
20210015-EI

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

SCALE: 3/4" = 1'-0"

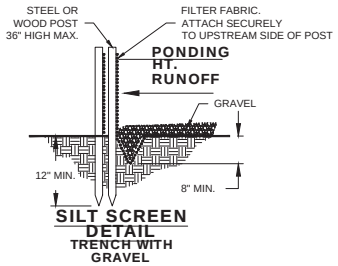


INSTALLATION DETAILS FOR FENCE

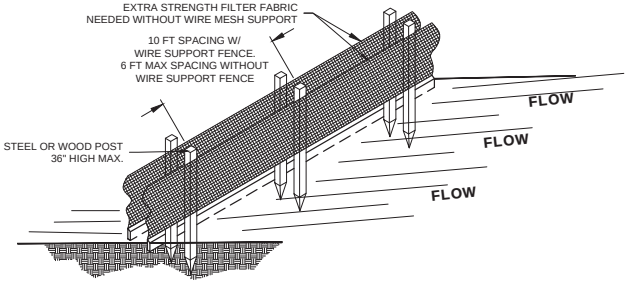
CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

SCALE 3/4"=1'-0"

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA — PROFESSIONAL ENGINEER

03-28-20

MICHAEL R. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 45287
PROFESSIONAL SURVEYOR AND MAPPER NO. 5698

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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 5 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 6 OF 6
SECTION: AS SHOWN
COUNTY: AS SHOWN
FILE NAME: 191021_EXH_SA_R02.dwg

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NFRC STAGING AREA FENCE AND BMP DETAILS

FPL 028907
20210015-EI

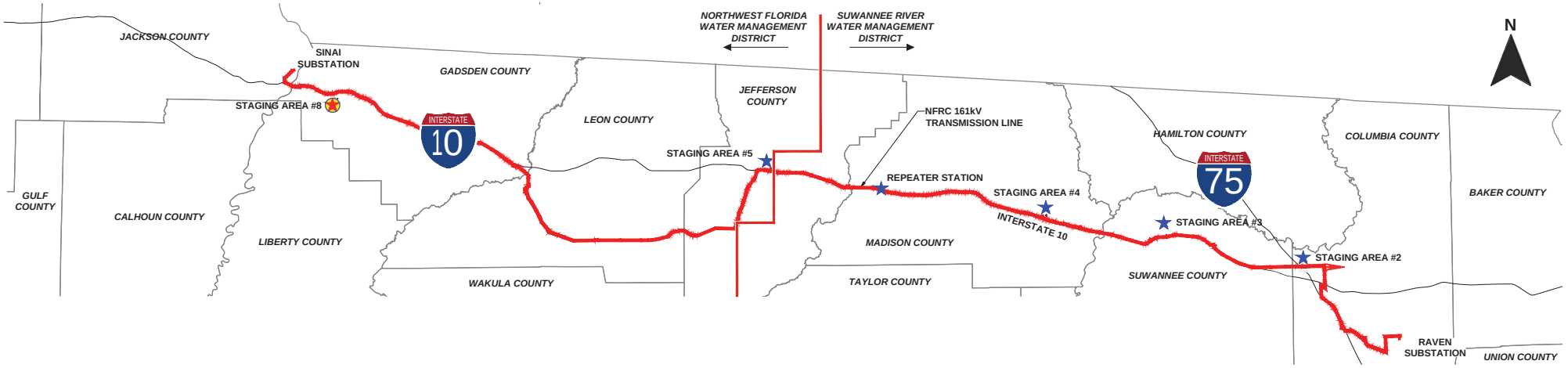
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA05_R02.dwg PLOT DATE/TIME: 3/26/2020 - 11:07am BY: Josh Baker

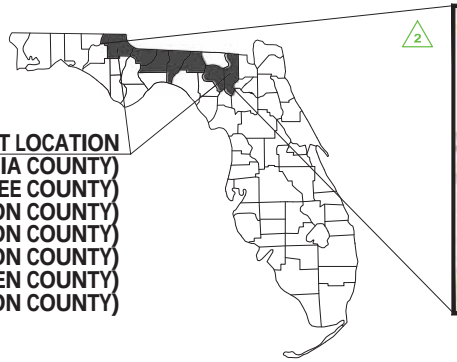
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

TEMPORARY STAGING AREA NO. 8

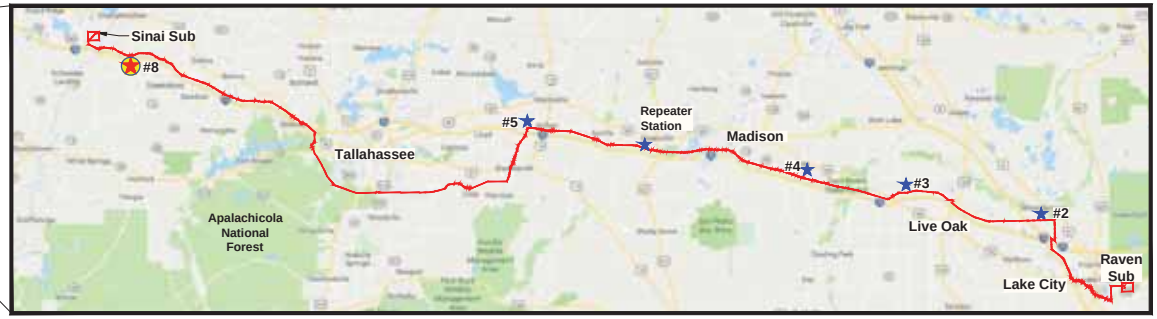
SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2



△2 **LEGEND**

PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

△2

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STATE OF FLORIDA
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 42267
PROFESSIONAL SURVEYOR & MAPPER NO. 6506

Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.04.01 00:14:27 -04'00'

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1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

Know what's **below.** before you dig.

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 1 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

STAGING AREA NO. 2 SITE PLAN EXHIBIT

FPL 028908
20210015-EI

SEE SHEETS 3 - 4 FOR DETAILED PLAN & CROSS SECTION VIEWS

GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT
TEMPORARY STAGING AREA NO. 8
SITE PLAN EXHIBIT

SITE DATA:

STAGING AREA #8 - GADSDEN COUNTY - NWFWMD
FLAT CREEK ROAD, CHATTAHOOCHEE, FL
PID 2-35-3N-6W-0000-00220-0000

PROJECT NARRATIVE:

TEMPORARY STAGING AREA NO. 8 IS REQUIRED TO STAGE AND STORE CONSTRUCTION MATERIALS (POLES, CONDUCTOR, INSULATORS, ETC.) AND EQUIPMENT (DRILL RIGS, LINE TRUCKS, CRANES, ETC.) FOR THE NORTH FLORIDA RESILIENCY CONNECTION (NFRC) PROJECT. THE NFRC PROJECT IS A 176 MILE LENGTH CORRIDOR THAT IS BROKEN UP INTO APPROXIMATELY 20 MILE SEGMENTS RESULTING IN THE NEED FOR FIVE (5) TOTAL TEMPORARY STAGING AREAS. EACH STAGING AREA IS SIZED TO BE ABLE TO STORE ITS PRO-RATA SHARE OF THE MATERIAL. THE AVERAGE SITE SELECTION CRITERIA IS FOR EACH STAGING AREA TO BE APPROXIMATELY 16.0 ACRES TOTAL WITH APPROXIMATELY 12.6 ACRES OF DEVELOPED AREA. THE DEVELOPED AREA WILL CONSIST OF AN AT GRADE #57 CRUSHED LIMEROCK SURFACE ON UNCOMPACTED SUBBASE TO FACILITATE THE STORAGE OF POLES AND EQUIPMENT ALONG WITH A GEOWEB SEDIMENT CONTAINMENT CELL PERIMETER ROAD OF #57 CRUSHED LIMEROCK FILL TO FACILITATE ACCESS.

TEMPORARY STAGING AREA NO. 8 SITE PLAN STORMWATER DESIGN HAS BEEN REVIEWED TO ENSURE THAT EXISTING SURFACE WATER FLOW WILL FLOW SIMILAR TO IT'S PREDEVELOPED CONDITION. THE DIFFERENCE BETWEEN PRE AND POST-DEVELOPED RUNOFF WILL BE STORED ON SITE WITH DRY RETENTION PONDS AND/OR THE ROCK VOIDS. DISCHARGE WILL NOT EXCEED THE PRE-DEVELOPED CONDITION FOR WATER TREATMENT AND RECOVERY. THIS SITE WILL USE A COMBINATION OF THE VOID SPACE BETWEEN THE #57 CRUSHED LIMEROCK AND A SERIES OF CHECK DAMN SYSTEMS MADE WITH WATER AND ROOT BARRIER SYSTEMS FOR STORAGE FOR THE FIRST 1" OR THE FIRST 1/2" OF RUNOFF, WHICH EVER IS GREATER, AS DIRECTED BY THE GOVERNING NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT STORMWATER DESIGN MANUAL REQUIREMENTS. GULF POWER HAS DONE EXTENSIVE TESTING ON THIS VOID RATIO AND HAS DETERMINED THAT A 35% VOID RATIO PROVIDES A GOOD CONSERVATIVE VALUE. ANY TREATMENT VOLUMES NOT ABLE TO RECOVER IN THE ROCK VOIDS WILL UTILIZE DRY RETENTION PONDS FOR THE REMAINING VOLUME. THE TREATMENT VOLUMES ARE DESIGNED TO RECOVER WITHIN THE 72 HOUR REQUIREMENT. SOIL BORINGS AND DOUBLE RING INFILTROMETER TESTING WAS PERFORMED AT EACH SITE TO FACILITATE THE DESIGN OF EACH DRY POND AND ROCK VOID STORAGE AREA. REFER TO GEOGRAPHICAL REPORT FOR DETAILS.

TEMPORARY STAGING ARE NO. 8 WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, THIS SITE WILL BE RETURNED TO ITS PRE-CONSTRUCTION STATE BY THE CONTRACTOR. THE ANTICIPATED DURATION IS APPROXIMATELY 12 - 18 MONTHS.

GENERAL SITE NOTES:

1. CONSTRUCTION AND MAINTENANCE ACCESS TO TEMPORARY STAGING AREA NO. 8 WILL BE GAINED VIA EXISTING ROAD RIGHT-OF-WAY OF CAMPGROUND ROAD. CONNECTOR APRONS WILL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY / STATE REQUIREMENTS.
2. TEMPORARY STAGING AREA NO. 8 EXISTS ON EASEMENTS MADE THRU LAND NEGOTIATIONS WITH CURRENT LANDOWNERS. THIS SITE HAS UNDERGONE A FULL EVALUATION / VETTING RELATIVE TO AVOIDANCE OF ENVIRONMENTAL, CULTURAL, AND WILDLIFE HABITAT IMPACT. NO TREE REMOVAL WILL BE NECESSARY TO FACILITATE CONSTRUCTION OF THIS SITE.
3. TEMPORARY STAGING AREA NO. 8 WILL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES AND REGULATIONS FOR LONG TERM STORAGE MATERIALS.
4. DELIVERIES AND ACTIVE USE OF THIS SITE WILL BE CONSISTENT WITH CONSTRUCTION HOURS.
5. ALL PROPOSED SEMI-PERVIOUS MATERIAL WILL BE INSTALLED AT THE EXISTING NATURAL GROUND ELEVATION THROUGHOUT THE SITE TO MINIMIZE IMPEDANCE OF THE EXISTING WATERSHED.
6. WHEN THE PROPOSED ACTIVITIES OCCUR ADJACENT TO WETLANDS, APPROPRIATE SEDIMENT CONTROL METHODS WILL BE USED, AS REQUIRED. SEDIMENT CONTROLS INCLUDE THE INSTALLATION OF STAKED SILT FENCES ALONG PROPOSED FILL ADJACENT WETLANDS. NO FILL OR GRADING WORK WILL OCCUR IN WETLAND AREAS.

SURVEYOR'S NOTES:

1. NORTH, THE BEARINGS AND THE COORDINATES SHOWN HEREON ARE REFERENCE TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83/ FLW-83) CORS 2011..
2. ELEVATIONS ARE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE FOR REFERENCE AND GRAPHICAL DISPLAY PURPOSES ONLY. TEMPORARY BENCHMARKS WILL BE SET AT EACH CROSSING SITE LOCATION AS REQUIRED.
3. SURVEY INFORMATION SHOWN HEREON PERTAINING TO RIGHT-OF-WAY AND EASEMENTS IS BASED ON A SURVEYS PROVIDED BY GULF POWER.
4. NO UNDERGROUND UTILITIES AND/OR IMPROVEMENTS SHOWN HEREON A SUBSURFACE INVESTIGATION WAS NOT PERFORMED AS PART OF THIS SURVEY.
5. THE AERIAL IMAGERY SHOWN HEREIN ARE A COMBINATION OF 2015/2016/2017 ORTHOGRAPHIC IMAGES OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION A+PLUS WEBSITE.
6. PROPERTY THE PROPOSED STAGING AREA IS LOCATED ON IS THERE BY GRANTED EASEMENT TO GULF POWER.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S PER THE APPROVED SWPPP (STORM WATER POLLUTION PREVENTION PLAN, I.E. SILT FENCE, TURBIDITY BARRIER) AND WWACCM MANUAL AROUND THE PERIMETER TO THE WORK ZONES DURING CONSTRUCTION. BMP'S SHALL ONLY BE REMOVED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ESTABLISHED.
2. CONTRACTOR SHALL CONSTRUCT PONDS AND/OR SWALES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL SOD THE SIDE SLOPES AFTER GRADING TO STABILIZE THE DISTURBED SOIL AND EMBANKMENTS AND TO CONTROL EROSION. SEEDING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE SIDES OF POND/SWALE AREAS SHALL BE SODDED AND THE BOTTOMS SHALL BE SEEDED AND MULCHED.CONTRACTOR SHALL DISC THE AREAS TO EMBED THE SEED AND MULCH AND SHALL THEN RE-COMPACT THE SURFACE.CONTRACTOR SHALL MAINTAIN THE SOD AND SEED UNTIL FINAL ACCEPTANCE OF THE WORK.
3. CONTRACTOR SHALL INSTALL CHECK DAMS ALONG THE EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN ON THE PLANS AND ALONG THE INTERIOR OF THE ROADWAYS BETWEEN THE ROCK LAYDOWN AREAS AND THE EDGE OF GEOWEB ROAD. SEE DETAIL 3 ON SHEET 5.
4. CONTRACTOR SHALL REMOVE THE TOP LAYER OF VEGETATION ON THE SITE BEFORE BEGINNING ANY GRADING OR SITE WORK. SITE SHALL MAINTAIN EXISTING SLOPES AND GENERAL GRADING CHARACTERISTICS.
5. IF ANY OBSTRUCTIONS OR VARIANCES EXIST, CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD.

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE COLUMBIA COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12023C0167D (DATED 11-02-18)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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STATE OF FLORIDA
PROFESSIONAL ENGINEERING
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 2 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

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STAGING AREA NO. 8 SITE PLAN EXHIBIT

CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA08_R02.dwg PLOT DATE/TIME: 3/27/2020 - 10:31am BY: Regina Viviano

FPL 028909
20210015-EI

Staging Area #8 - Gadsden County - NWFWMD
Flat Creek Road, Chattahoochee, FL
PID 2-35-3N-6W-0000-00220-0000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS

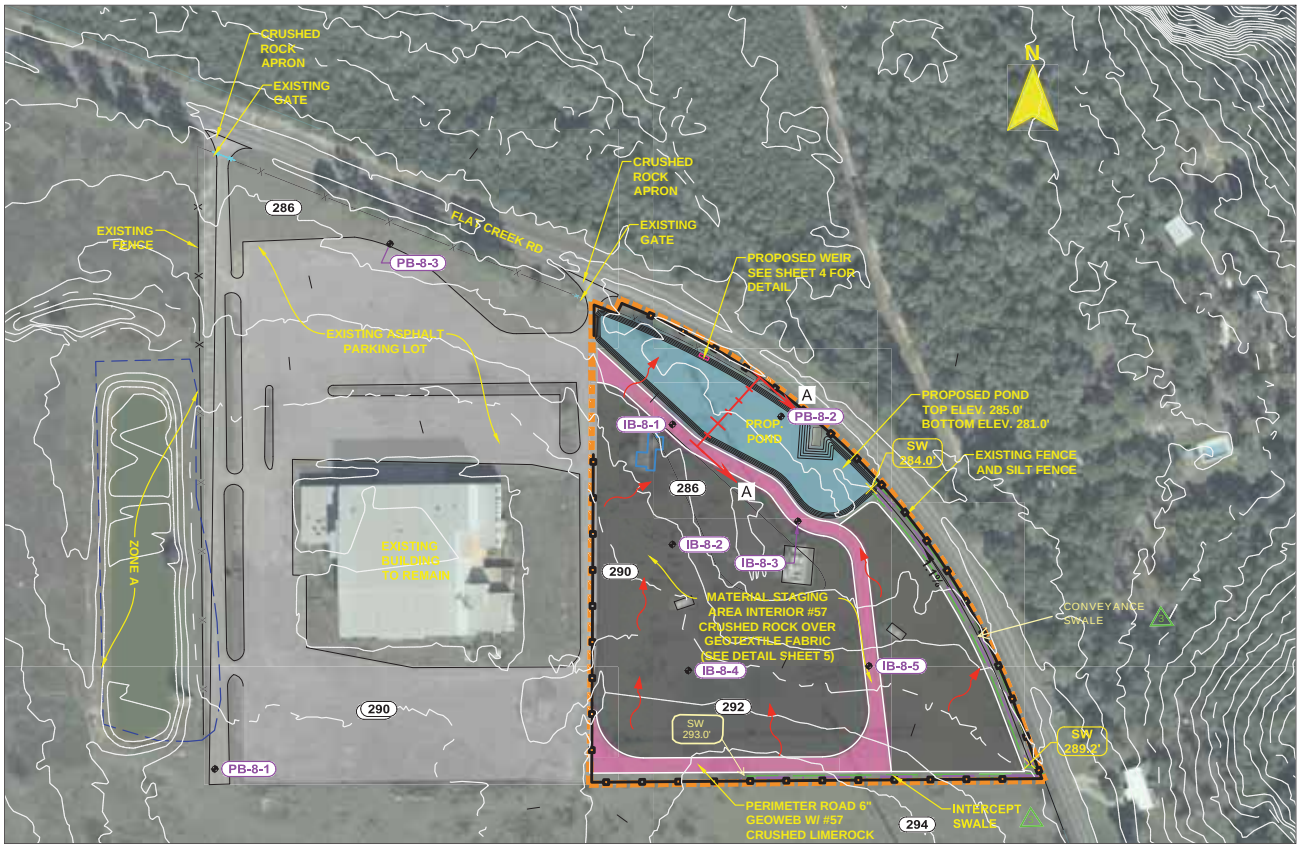
SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 6.13 ACRES
GRAVEL DRIVE	± 0.85 ACRES
STORM PONDS	± 1.34 ACRES
OPEN/UNDEVELOPED	± 0.54 ACRES
TOTAL SITE AREA	± 8.86 ACRES

Table 4: Pond Storage Data

Basin No.	Elevation (Ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (25-Year, 24-Hour Storm) Q_{in} (cfs)
1	Top of Pond	285.0	1.34	3.15	4.62
	Peak Water Elev.	283.2			
	Weir Elev.	283.0			
	Bottom of Pond	281.0	0.88		

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	0.42	1.05	Not Accounted in Treatment Calculation	48



GENERAL NOTES:

1. CHECK DAMS WILL BE INSTALLED ALONG EXISTING (1) ONE FOOT CONTOUR ELEVATIONS AS SHOWN, AND AS A BARRIER BETWEEN THE INTERIOR ROAD EDGE AND GRAVEL LAYDOWN AREA. SEE NOTES ON SHEET 2 AND DETAILS ON SHEET 5.
2. INFORMATION OF WATER TABLE DEPTHS FOR SEASONAL HIGH WATER (SHW) ELEVATIONS IS BASED ON GEOTECHNICAL REPORTS PROVIDED BY B.J. ROCK.
3. INTERIOR CRUSHED ROCK SHALL NOT BE COMPACTED (TYP.).
4. FILL SHALL NOT BE PLACED IN WETLAND AREAS (TYP.).

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

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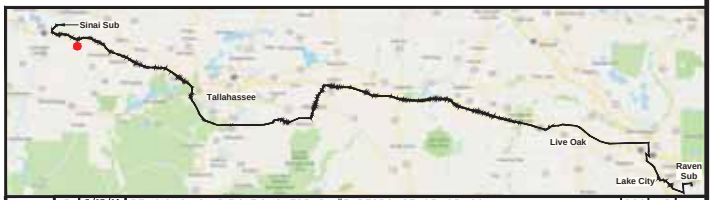
STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 48287
PROFESSIONAL SURVEYOR & MAPPER NO. 6658
03.31.20

0 100 200
1 INCH = 200 FEET



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2	3/17/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S. | ENGINEER: MKL
DRAFTER: GCC | CHECKED: JJB
SHEET: 3 OF 6
SECTION: AS SHOWN
COUNTY: GADSDEN
FILE NAME: 191021_EXH_SA_R02.dwg

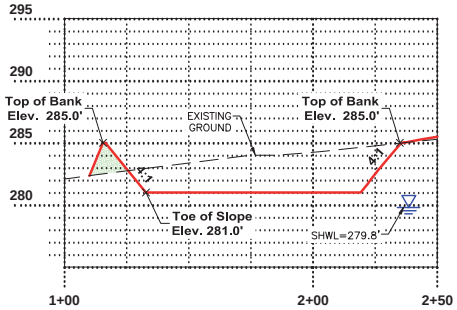
Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

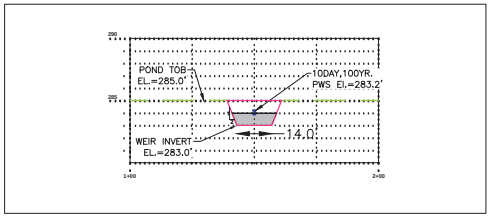
FPL 028910
20210015-EI

Staging Area #8 - Gadsden County - NWFWMD
Flat Creek Road, Chattahoochee, FL
PID 2-35-3N-6W-0000-00220-0000

SEE SHEET 2 FOR NOTES & SITE DETAILS
SEE SHEET 5 FOR TYPICAL CONSTRUCTION DETAILS



SITE BASIN I
CROSS SECTION VIEW A-A
LOOKING SOUTHEAST
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'



SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10'

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LEGEND
EXISTING GROUND
PROPOSED GROUND

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STATE OF FLORIDA
MICHAEL K. LEAHY
03-28-20
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 6658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.
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COUNTY: GADSDEN
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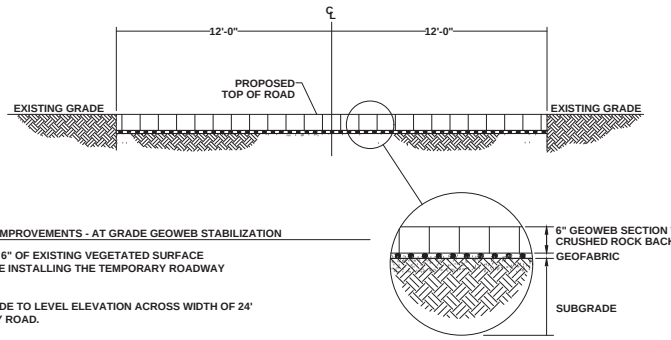
Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

FPL 028911
20210015-EI

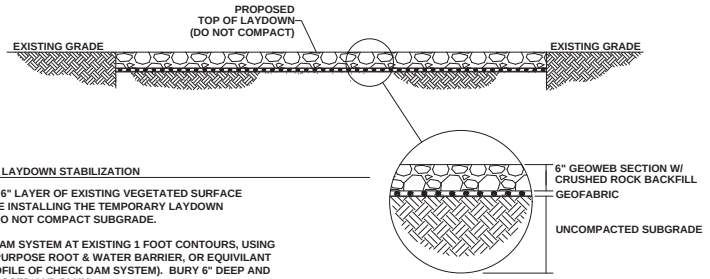


TEMPORARY ROADWAY IMPROVEMENTS - AT GRADE GEOWEB STABILIZATION

1. REMOVE THE TOP 6" OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY ROADWAY IMPROVEMENTS.
2. SMOOTH SUBGRADE TO LEVEL ELEVATION ACROSS WIDTH OF 24' WIDE TEMPORARY ROAD.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" PERFORATED GEOWEB AND FILL WITH 4. NO 57 CRUSHED LIMEROCK.

DETAIL 1

TEMPORARY ROADWAY IMPROVEMENT
AT-GRADE GEOWEB STABILIZATION
WITH CRUSHED ROCK BACKFILL

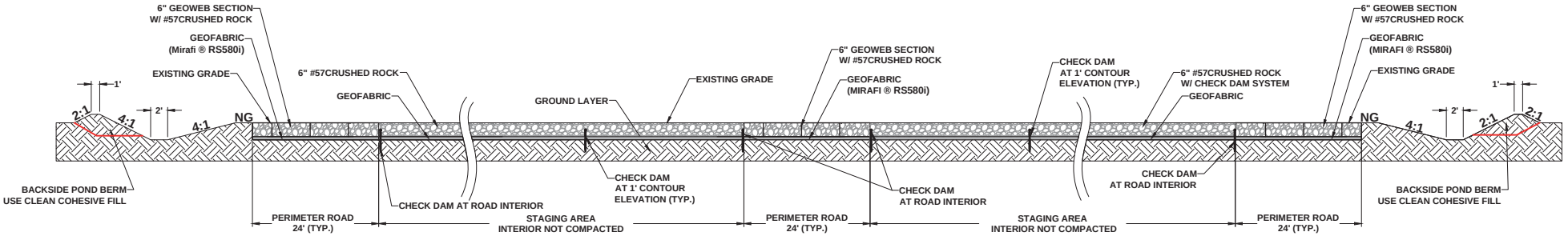


TEMPORARY - AT GRADE LAYDOWN STABILIZATION

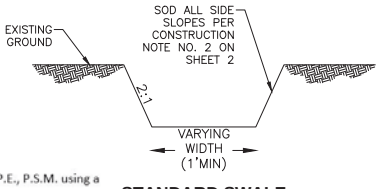
1. REMOVE THE TOP 6" LAYER OF EXISTING VEGETATED SURFACE MATERIAL BEFORE INSTALLING THE TEMPORARY LAYDOWN STABILIZATION. DO NOT COMPACT SUBGRADE.
2. INSTALL CHECK DAM SYSTEM AT EXISTING 1 FOOT CONTOURS, USING 12" CR-PE MULTI PURPOSE ROOT & WATER BARRIER, OR EQUIVILANT (SEE TYPICAL PROFILE OF CHECK DAM SYSTEM). BURY 6" DEEP AND LEAVE TOP 6" EXPOSED AND PLUM.
3. PLACE ROAD BEDLINER, MIRAFI RS580i HIGH STRENGTH WOVEN GEOTEXTILE FABRIC, OR APPROVED EQUIVALENT. INSTALL GEOTEXTILE FABRIC PROVIDING MINIMUM LAP AS PER MANUFACTURER INSTALLATION INSTRUCTIONS AT THE LAP JOINT.
4. INSTALL 6" WASHED NO 57 CRUSHED ROCK BACKFILL.

DETAIL 2

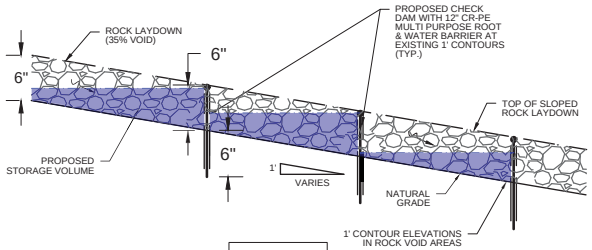
TEMPORARY LAYDOWN AREA IMPROVEMENT
AT-GRADE WASHED CRUSHED ROCK BACKFILL



TYPICAL CROSS SECTION PLAN
FOR TEMPORARY ROCK LAYDOWN YARDS



STANDARD SWALE CROSS SECTION
N.T.S.



DETAIL 3

TYPICAL PROFILE OF CHECK DAM SYSTEM
FOR TEMPORARY ROCK LAYDOWN YARDS

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STATE OF FLORIDA
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER NO. 45297
PROFESSIONAL SURVEYOR & MAPPER NO. 5826
03-28-20

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 5 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

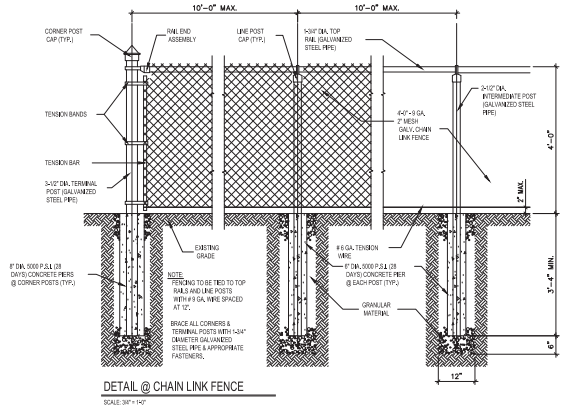
Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

FPL 028912
20210015-EI

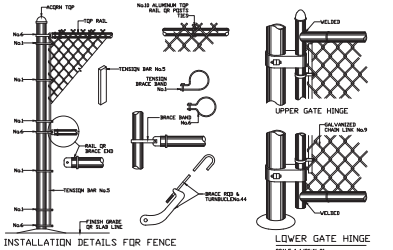
CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Roven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA08_R02.dwg
PLOT DATE/TIME: 3/27/2020 - 10:32am BY: Regino Viviano

PERIMETER FENCE DETAILS



DETAIL @ CHAIN LINK FENCE

SCALE: 3/4" = 1'-0"

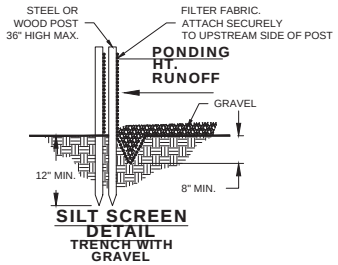


INSTALLATION DETAILS FOR FENCE

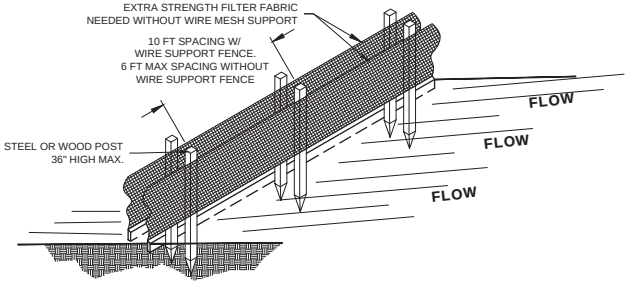
CHAIN LINK FENCE TYPICAL HARDWARE DETAILS

SCALE 3/4"=1'-0"

EROSION CONTROL DETAILS



SILT SCREEN DETAIL
TRENCH WITH GRAVEL



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STATE OF FLORIDA
03-28-20
MICHAEL K. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 45287
PROFESSIONAL SURVEYOR & MAPPER No. 5658

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
STAGING AREA NO. 8 SITE PLAN EXHIBIT
FOR TEMPORARY LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: GADSDEN	
SHEET: 6 OF 6		FILE NAME: 191021_EXH_SA_R02.dwg	

Gulf Power

NFRC STAGING AREA NUMBER 8 SITE PLAN

FPL 028913
20210015-EI

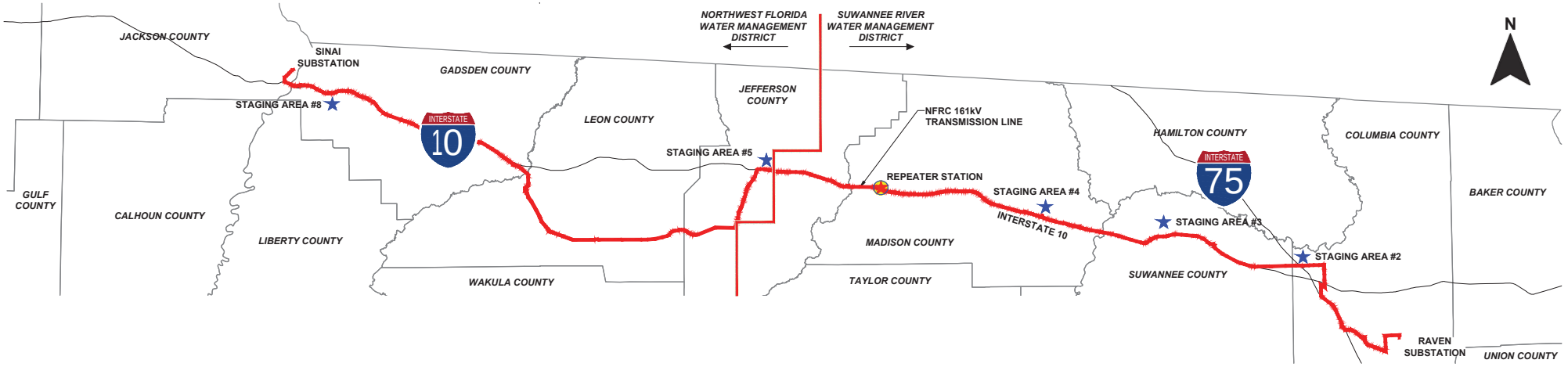
CAD FILE: S:\Projects\108_Gulf Power\19-108-1002_Raven-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_SA08_R02.dwg PLOT DATE/TIME: 3/27/2020 - 10:33am BY: Regina Viviano

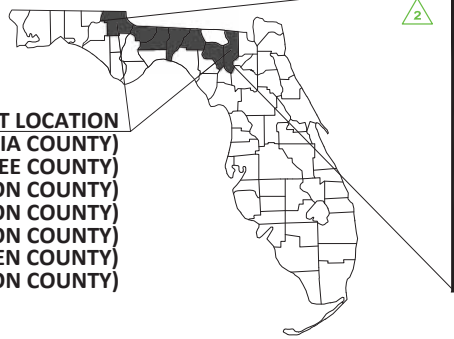
GULF POWER COMPANY

NFRC TRANSMISSION LINE PROJECT △2

REPEATER STATION

SITE PLAN EXHIBIT





PROJECT LOCATION
(COLUMBIA COUNTY)
(SUWANNEE COUNTY)
(MADISON COUNTY)
(JEFFERSON COUNTY)
(LEON COUNTY)
(GADSDEN COUNTY)
(JACKSON COUNTY)

△2 **LEGEND**

- PROPOSED STAGING AREAS & REPEATER STATION

CONTENTS

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Michael Leahy, P.E., P.S.M.
Digitally signed by Michael Leahy, P.E., P.S.M.
Date: 2020.03.31 23:32:53 -04'00'

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
REPEATER STATION SITE PLAN EXHIBIT
FOR TEMPORARY USE AS LAYDOWN YARDS

SCALE: N.T.S.	ENGINEER: MKL	SECTION: AS SHOWN	
DRAFTER: GCC	CHECKED: JJB	COUNTY: MADISON	
SHEET: 1 OF 3		FILE NAME: NFRC_EXH_REPEATER_R02.dwg	

Gulf Power

REPEATER STATION SITE PLAN EXHIBIT

FPL 028914
20210015-EI

Repeater Station - Madison County - SRWMD
SW Overstreet Avenue, Greensville, FL
PID 32-1N-07-2601-000-000

SEE SHEET 3 FOR TYPICAL CONSTRUCTION DETAILS DETAILS

△3

SITE DATA	AREA (TOTAL)
GRAVEL LAYDOWN	± 0.02 ACRES
GRAVEL DRIVE	± 0.03 ACRES
BUILDING/CONCRETE	± 0.009 ACRES
STORM PONDS	± 0.007 ACRES
OPEN/UNDEVELOPED	± 0.08 ACRES
TOTAL SITE AREA	± 0.15 ACRES

Table 4: Pond Storage Data

Basin No.	Elevation (ft, NAVD 88)		Area (ac)	Provided Volume (acft)	Peak Discharge (100-Year, 10-Day Storm) Q_{out} (cfs)
1.1 South	Top of Pond	98.0	0.003	0.101	0.00
	Peak Water Elev.	96.0			
	Weir Elev.	97.0			
	Bottom of Pond	96.0	0.001		
1.2 North	Top of Pond	98.0	0.004	0.034	1.26
	Peak Water Elev.	97.0			
	Weir Elev.	96.9			
	Bottom of Pond	96.5	0.002		

Table 5: Summary of Treatment Volume and Recovery

Basin No.	Treatment Volume Required (acft)	Treatment Volume Provided (acft)		Recovery Time (hrs)
		Rock Voids	Storm Water Pond	
1	0.006	0.004	Not Accounted in Treatment Calculation	2

FLOOD ZONE NOTES:

1. FLOOD ZONE INFORMATION BASED ON THE GADSDEN COUNTY, FLORIDA FLOOD INSURANCE RATE MAPS:

   MAP NUMBER 12079C0235C (DATED 05-03-10)

2. APPLICABLE FLOOD ZONE DELINEATIONS PER THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP ARE AS FOLLOWS:

   ZONE X AREA OUTSIDE THE 100-YEAR FLOOD PLAIN

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L E G E N D

PROPOSED TEMPORARY STAGING AREA MATERIALS
- L AT-GRADE ROCK LAYDOWN
- R AT-GRADE GEOWEB ROAD
- C CRUSHED ROCK APRON
- ×139.5 PROPOSED GRADE

WETLAND AREAS
- WETLAND AREA
- SURFACE WATER AREA
- 139.5 EXISTING GRADE
- DRAINAGE BASIN AREA BOUNDARY

EXISTING BOUNDARIES
- FEMA 100-YEAR FLOOD PLAIN LINE
- EASEMENT
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY LINE
- EXISTING FENCE
- PROPOSED SILT FENCE

PROPOSED PONDS & DITCHES
- TOP OF BANK
- GRADE BREAK
- TOE OF SLOPE
- P/D PROPOSED POND/DITCH

PROPOSED FENCE & GATES
- PROPOSED GATE
- PROPOSED FENCE

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TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
REPEATER STATION SITE PLAN EXHIBIT
SHOWING EXISTING BORINGS AND SITE PLAN REFERENCE

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Gulf Power

NFRC REPEATER STATION EXHIBIT

FPL 028915
20210015-EI

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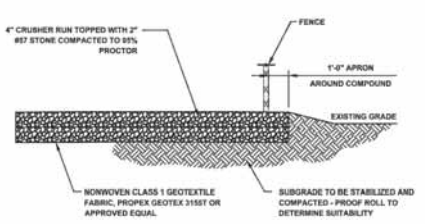
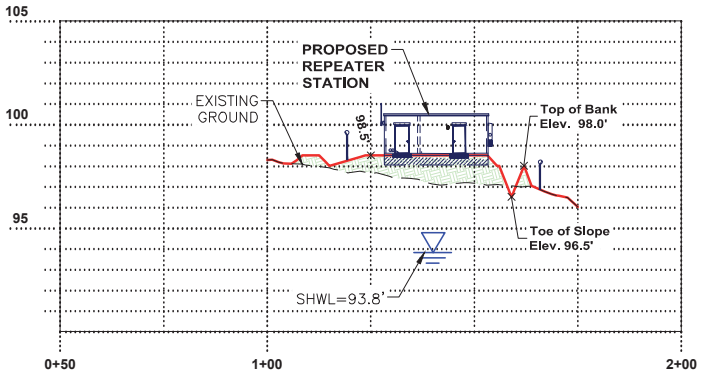
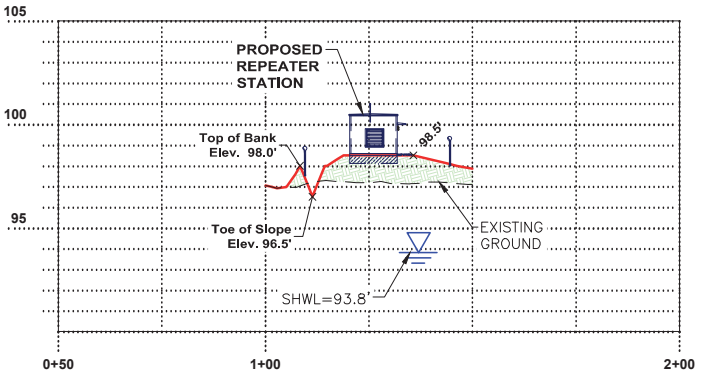
SW Overstreet Avenue, Greensville, FL
PID 32-1N-07-2601-000-000



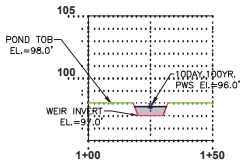
TYPICAL COMPOUND SECTION
DETAIL 2 NTS



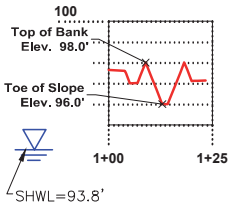
SITE BASIN I
CROSS SECTION VEIW A-A
LOOKING SOUTHEAST
HORZ. SCALE = 1" = 30'
VERT. SCALE = 1" = 6'



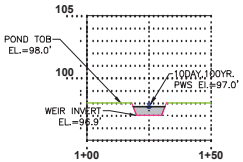
SITE BASIN I
CROSS SECTION VEIW B-B
LOOKING SOUTHEAST
HORZ. SCALE = 1" = 30'
VERT. SCALE = 1" = 6'



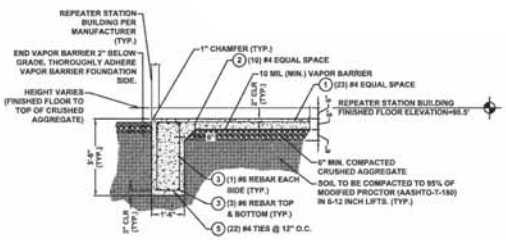
SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10



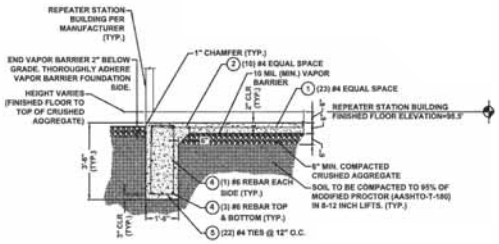
SITE BASIN I
CROSS SECTION VEIW C-C
LOOKING EAST
HORZ. SCALE = 1" = 30'
VERT. SCALE = 1" = 6'



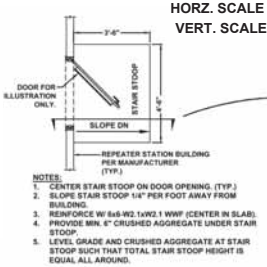
SITE BASIN I
WEIR CROSS SECTION
HORZ. SCALE = 1" = 50'
VERT. SCALE = 1" = 10



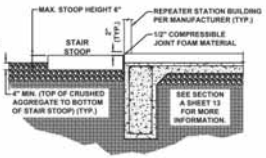
SECTION A - FOUNDATION DETAIL
N.T.S.



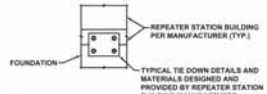
SECTION B - FOUNDATION DETAIL
N.T.S.



TYPICAL STAIR STOOP
PLANS
N.T.S.



TYPICAL STAIR STOOP
DETAIL
N.T.S.



NOTE:
BUILDING MANUFACTURER SHALL USE ANCHORS THAT DO NOT CONFLICT WITH THE CONCRETE REINFORCEMENT DURING INSTALLATION.

SECTION C - TYPICAL BUILDING TIE DOWN
N.T.S.

1. This document has been electronically signed and sealed by Michael Leahy, P.E., P.S.M. using a Digital Signature and date.
2. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

LEGEND
EXISTING GROUND
PROPOSED GROUND

NOTICE:
CONTRACTOR SHALL VERIFY ALL CONDITIONS ON JOB SITE & NOTIFY PROJECT MANAGER AND ENGINEER OF ANY VARIATIONS FROM DIMENSIONS SHOWN ON THESE DRAWINGS BEFORE PROCEEDING WITH ANY CONSTRUCTION.

PICKETT
SURVEYING • ENGINEERING
PICKETT AND ASSOCIATES, INC
5025 WEST GRACE STREET
TAMPA, FLORIDA 33607
PHONE: (813) 877-7770
CA #31323 LB #364

I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED UNDER MY DIRECTION ON THE DATE SHOWN BASED ON THE INFORMATION FURNISHED TO ME AS NOTED AND CONFORMS TO ACCEPTED ENGINEERING PRACTICES IN THE STATE OF FLORIDA, PURSUANT TO SECTION 471, FLORIDA STATUTES. IN ADDITION TO THE BEST OF THIS ENGINEER'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.

STATE OF FLORIDA PROFESSIONAL ENGINEER
MICHAEL N. LEAHY
FLORIDA LICENSED PROFESSIONAL ENGINEER No. 76287
PROFESSIONAL SURVEYOR & MAPPER No. 6638
03-28-20

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
3	3/27/20	REVISIONS, CLARIFICATIONS FOR RAI#3 RESPONSE 03-25-20	GCC	JJB	MKL
2	3/18/20	REVISIONS, CLARIFICATIONS FOR RAI#2 RESPONSE 12-20-19	GCC	JJB	MKL
1	11/22/19	REVISIONS, CLARIFICATIONS FOR RAI RESPONSE 11-22-19	GCC	JJB	MKL

TRANSMISSION ENGINEERING DEPARTMENT

NORTH FLORIDA RESILIENCY CONNECTION (NFRC)
REPEATER STATION SITE PLAN EXHIBIT

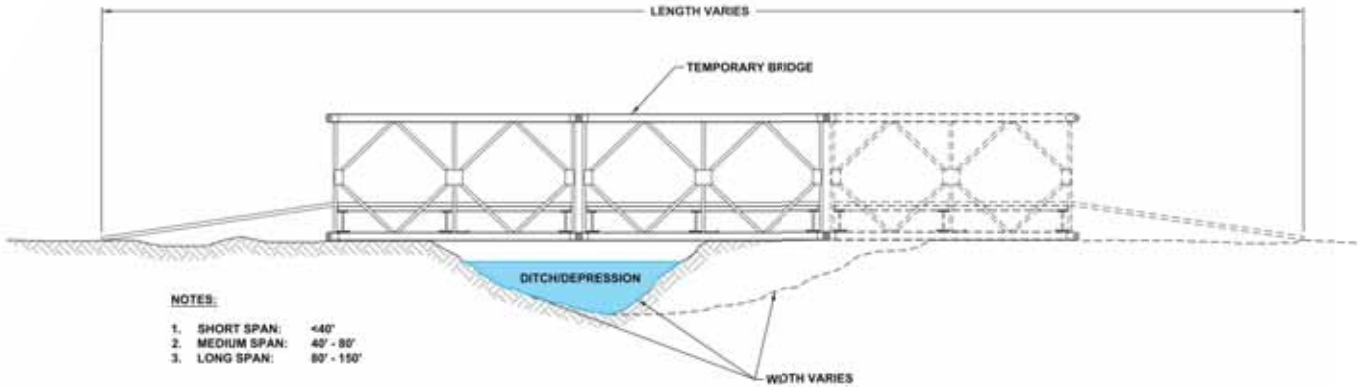
SCALE: N.T.S.
ENGINEER: MKL
DRAFTER: GCC
CHECKED: JJB
SHEET: 3 OF 3
SECTION: AS SHOWN
COUNTY: MADISON
FILE NAME: NFRC_EXH_SA02_R02.dwg

Gulf Power

NFRC REPEATER STATION EXHIBIT

FPL 028916
20210015-EI

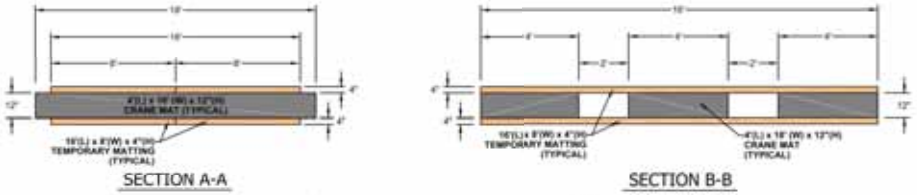
CAD FILE: S:\Projects\108_Gulf Power\19-108-1092_Riverview-Sinai 161kV Line Detailed Engineering\Drawings\Staging Areas Exhibit\NFRC_Exh_Repeater_R02.dwg PLOT DATE/TIME: 3/26/2020 - 4:23pm BY: Josh Baker

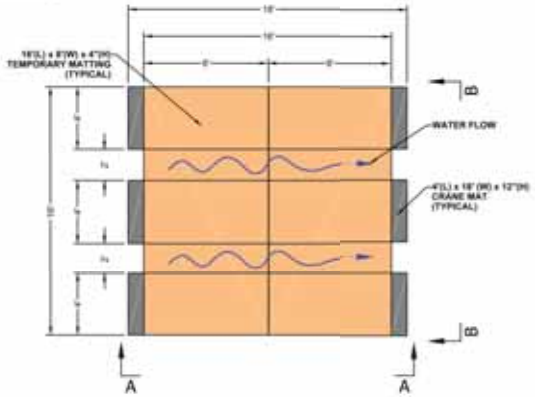


NOTES:

1. SHORT SPAN: <40'
2. MEDIUM SPAN: 40' - 80'
3. LONG SPAN: 80' - 150'

TYPICAL TEMPORARY BRIDGE DETAIL





TYPICAL TEMPORARY MATTING DETAIL

PHOTO OF TYPICAL LAYOUT
OF WOOD & PLANK MATTING

PHOTO OF TYPICAL LAYOUT
OF COMPOSITE MATTING

REV	DATE	DESCRIPTION	BY	CKD	APP
0	10/25/19	ISSUED FOR PERMIT SUBMITTAL	GCC	JJB	MKL

GULF POWER COMPANY

NORTH FLORIDA RESILIENCY CONNECTION

SCALE: NTS
DRAWN BY: GCC
ENGINEER: MKL
COUNTY: COLUMBIA
SHEET 5 OF 5

DATE: 10/25/19
CHECKED BY: JRC
SECTION: AS SHOWN
FILE NAME: NFRC STAGING AREAS

Gulf Power

TYPICAL WETLAND SITE
TEMPORARY MATTING
EXHIBIT DETAILS

Revised Figure 5

Impacts Map
Columbia County

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Fill
- Perm Maintained
- Temp Construction
- Wetland
- Ditch
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 1 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

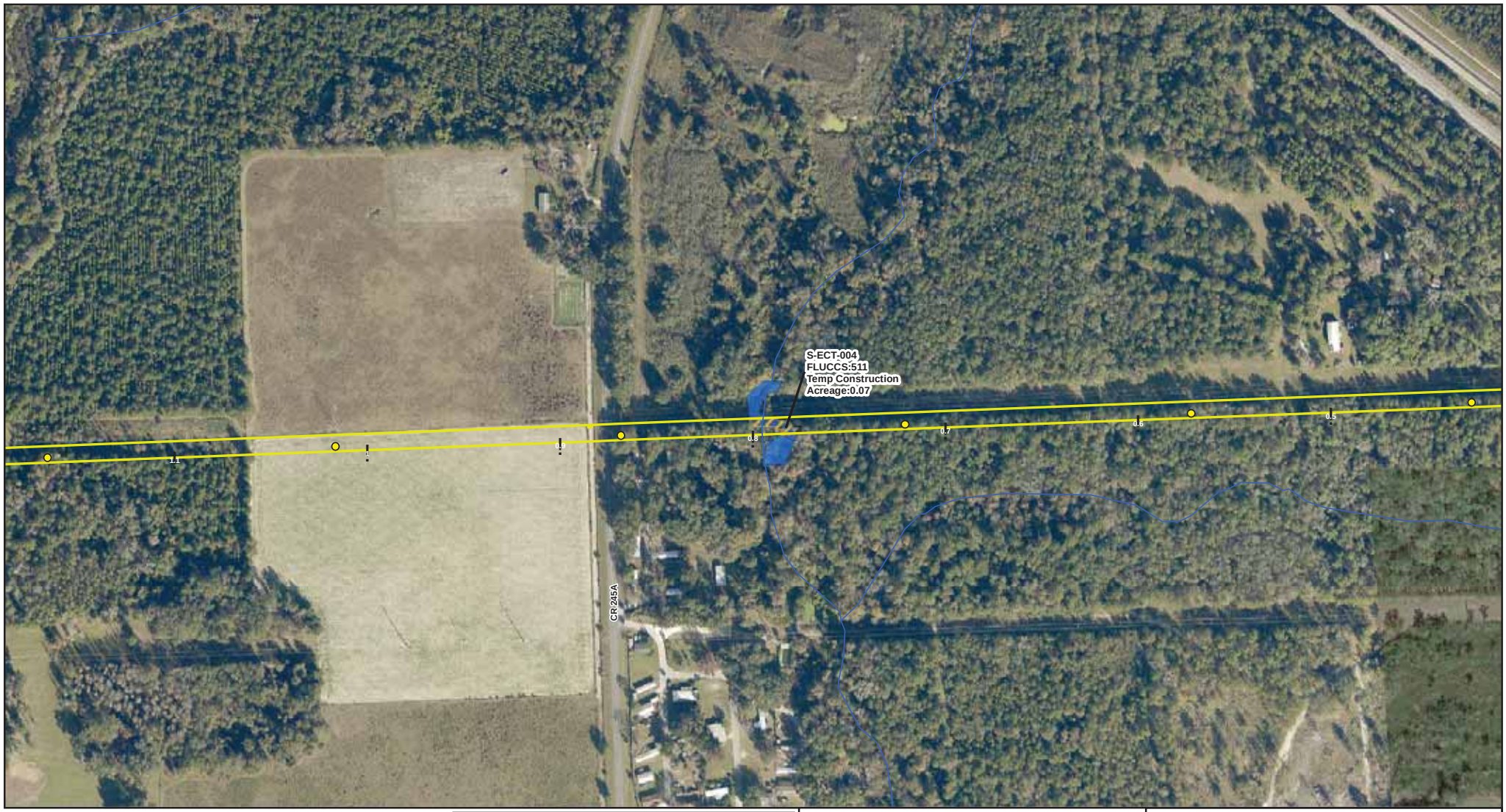
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028919
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Temp Matting
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 2 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028920
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Temp Matting
- Stream
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 3 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

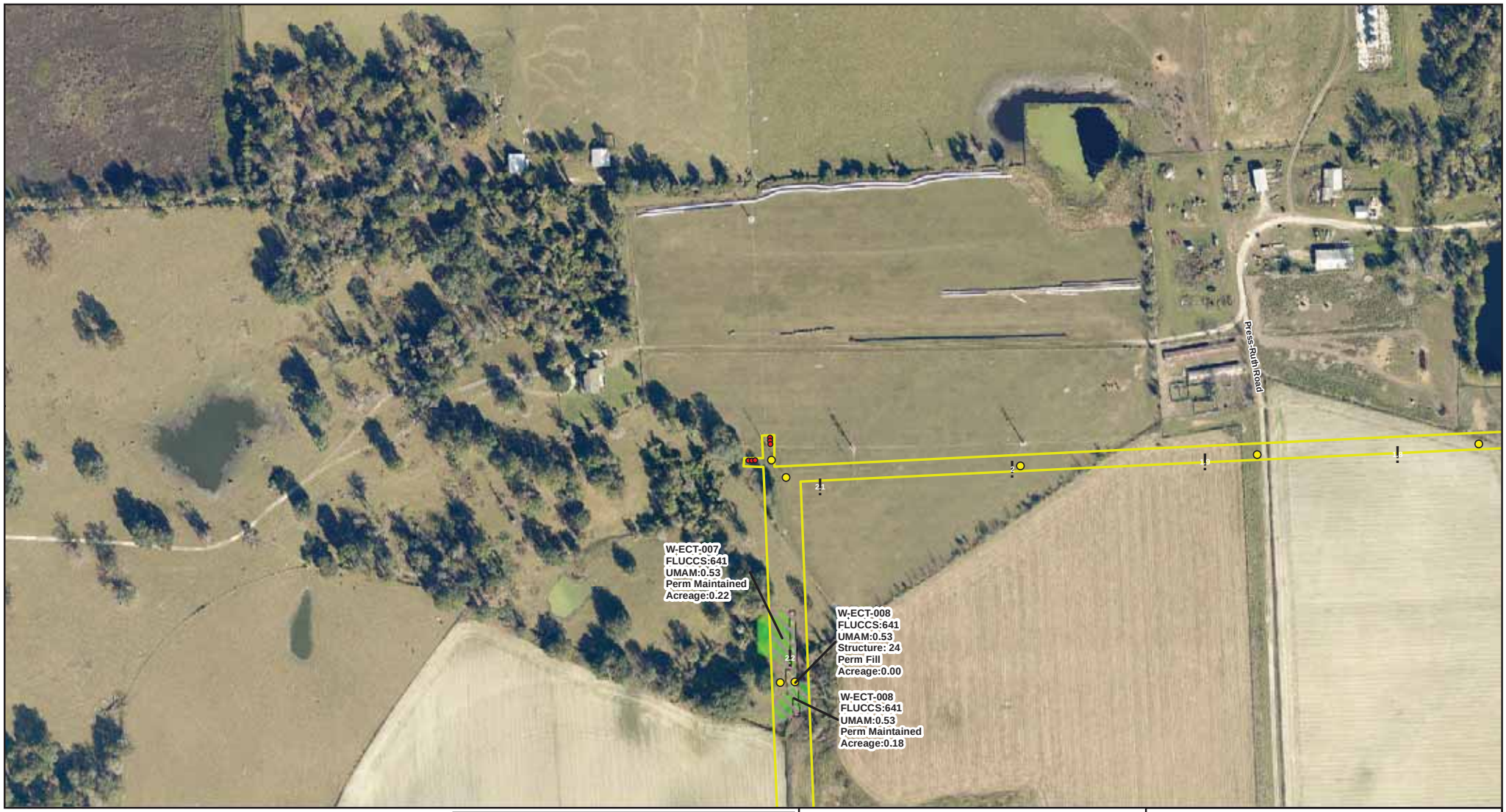
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028921
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 4 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

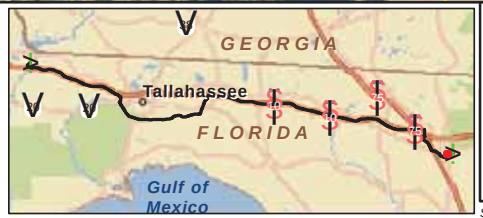
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028922
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Maintained
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 5 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

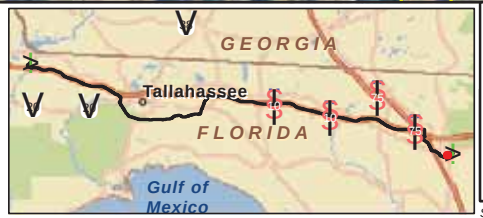
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028923
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Temp Construction
- Temp Matting
- Stream
- Sinkhole



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 6 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

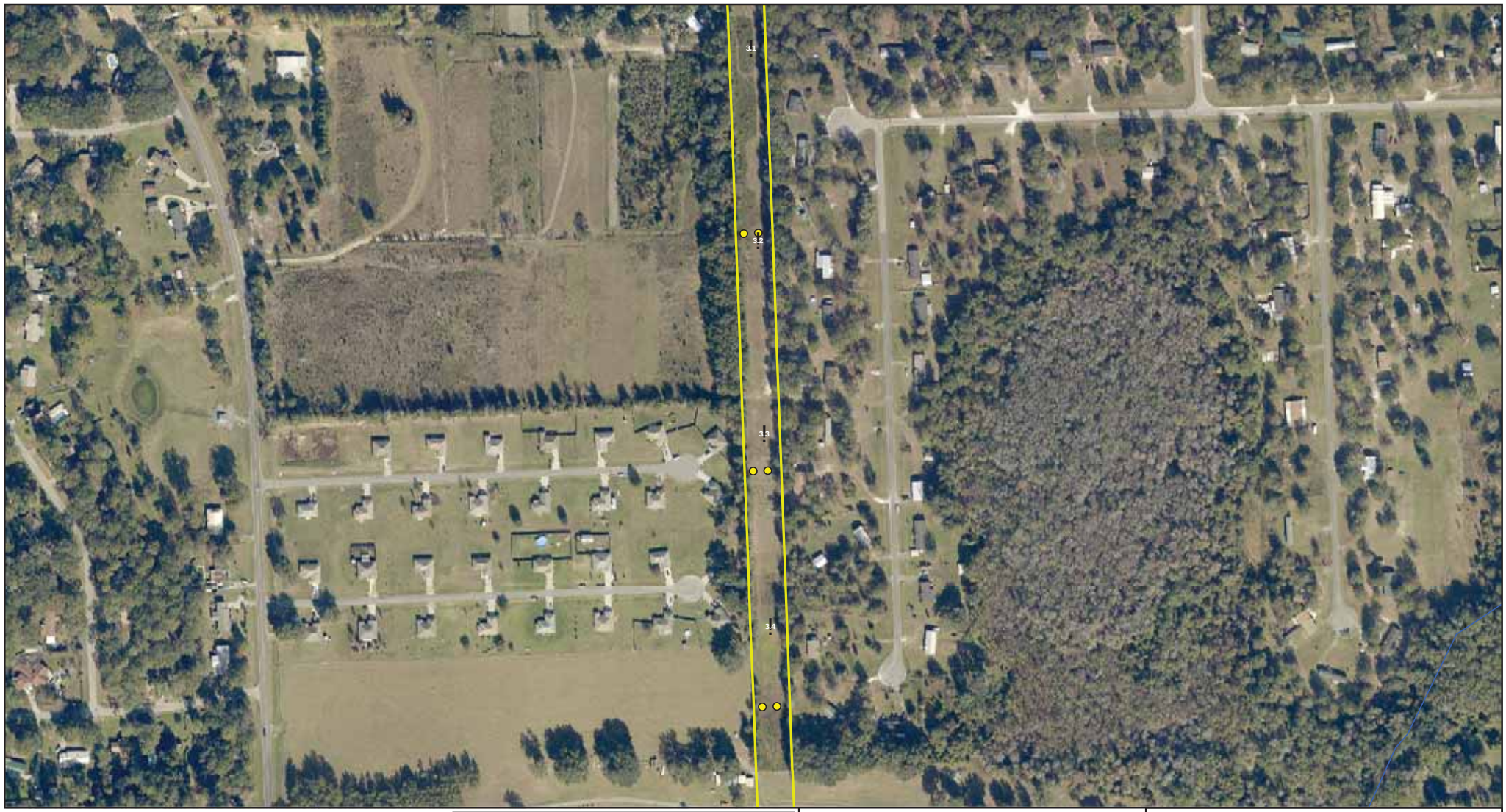
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028924
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 7 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

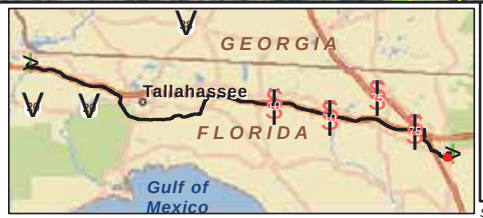
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028925
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 8 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028926
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Aerial Crossing
- Perm Maintained
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 9 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

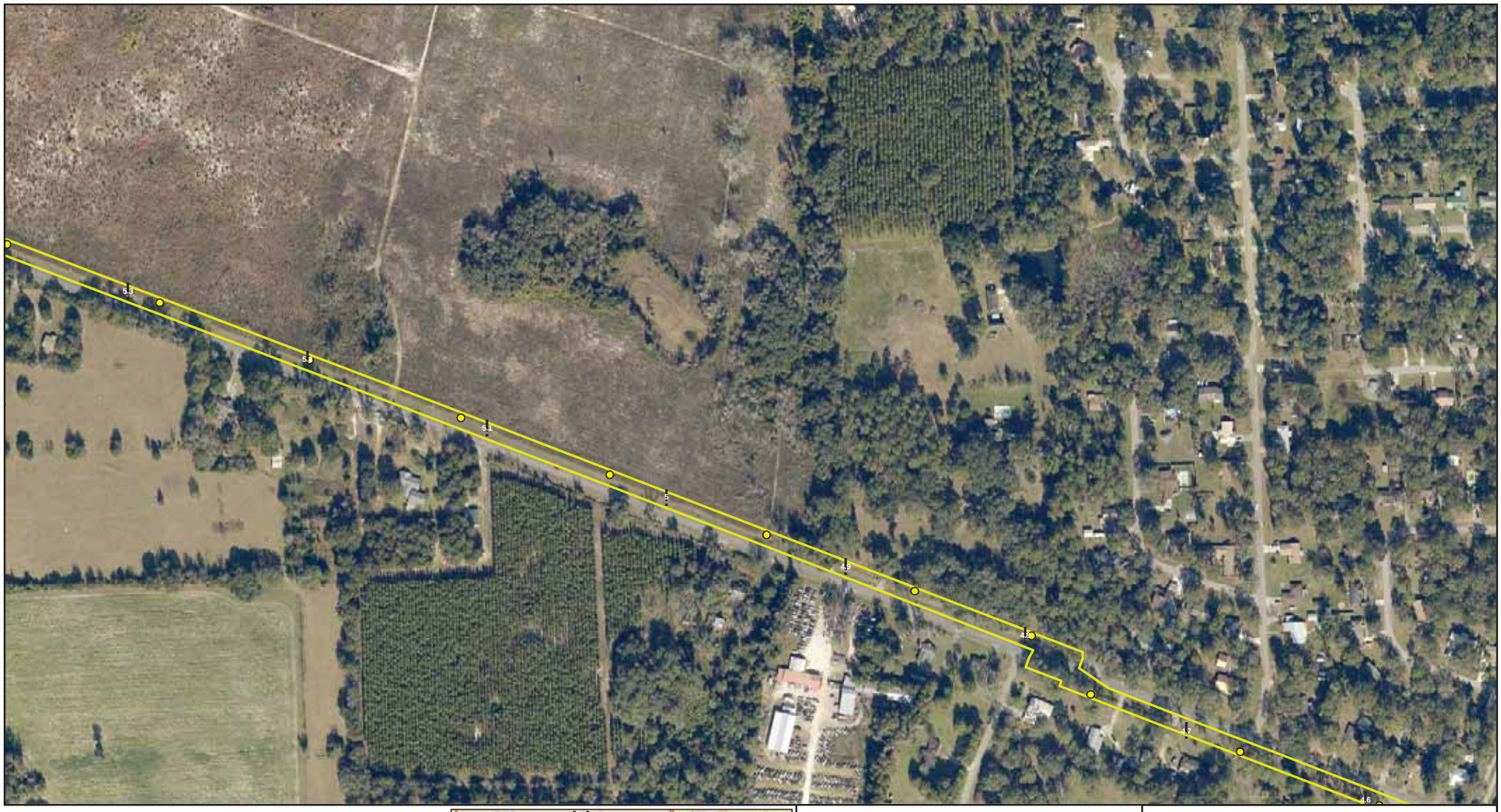
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028927
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 10 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028928
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Aerial Crossing
- Perm Conversion
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 11 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028929
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 12 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

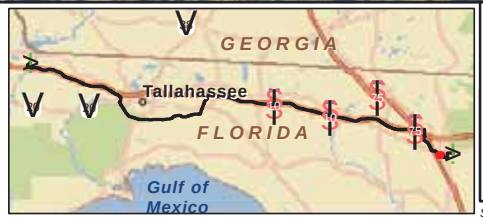
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028930
20210015-EI

LEGEND

- ! Mile Post
- Structures
- Stream/River
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 13 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

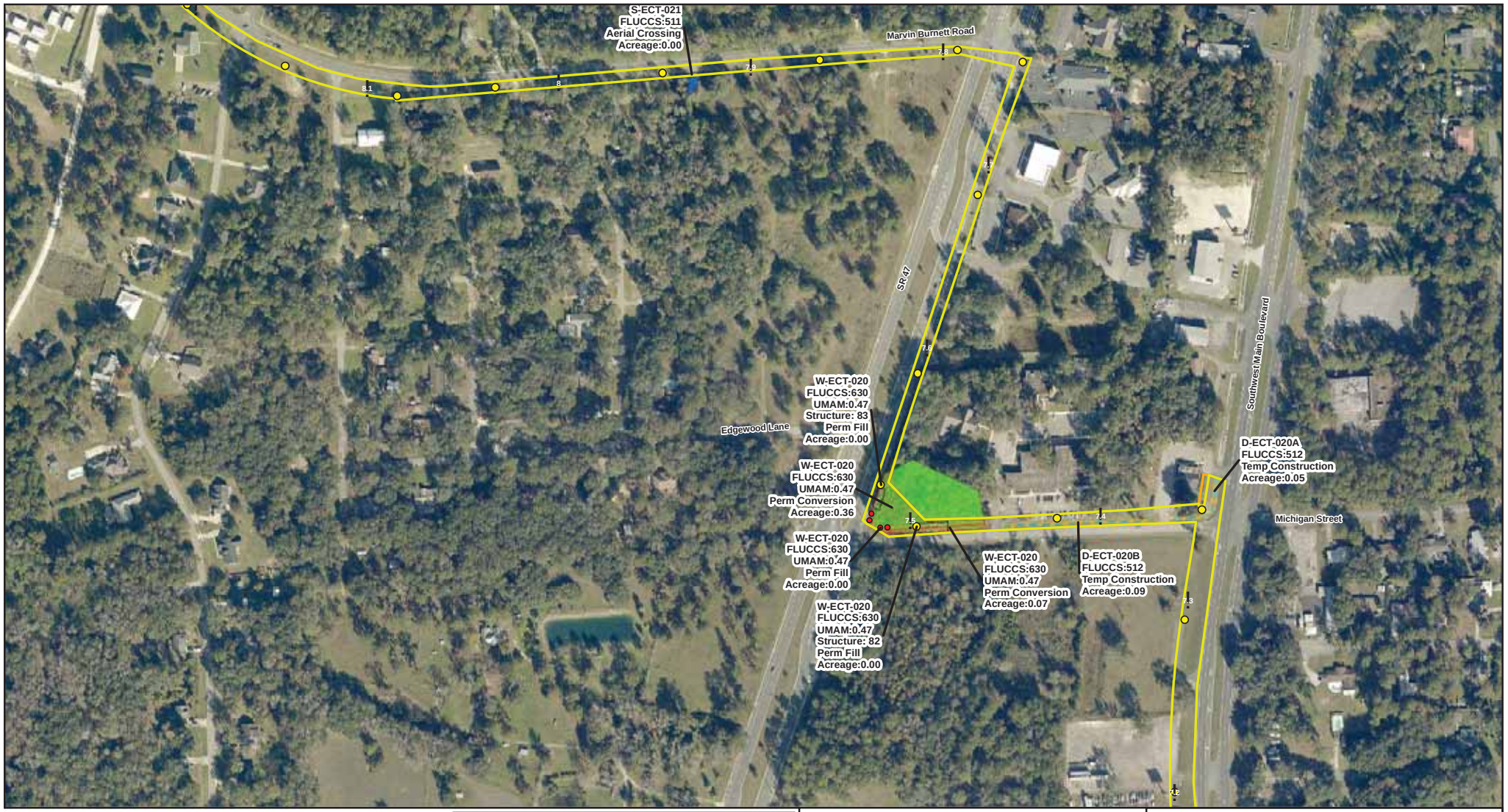
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028931
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 14 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

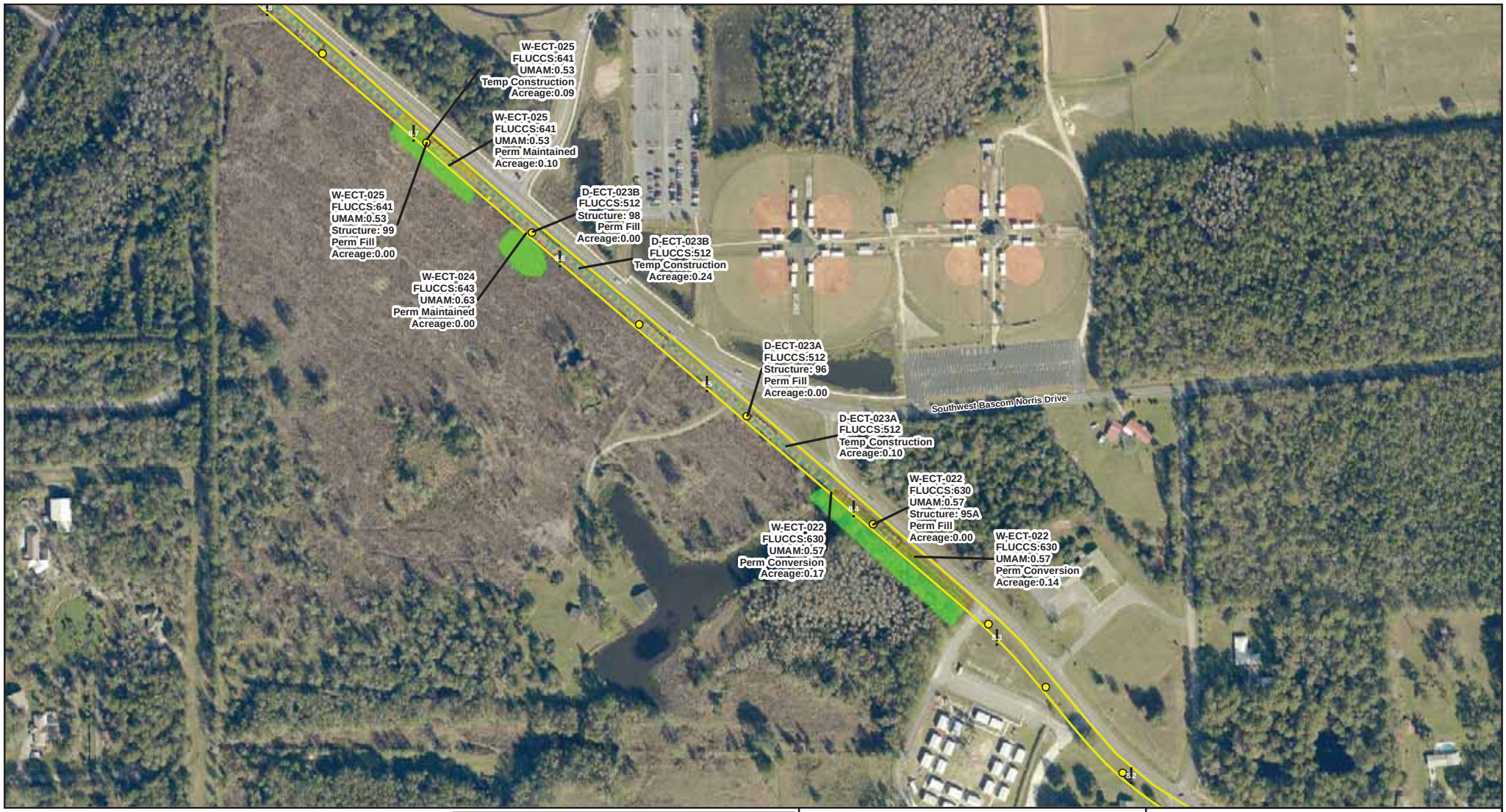
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028932
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 15 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028933
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 16 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028934
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area
- Temp Construction
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 17 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028935
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Construction
- Temp Matting
- Ditch
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 18 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028936
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 19 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028937
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 20 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 21 of 297 | COUNTY: COLUMBIA

SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2

DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028939
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 22 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028940
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 23 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

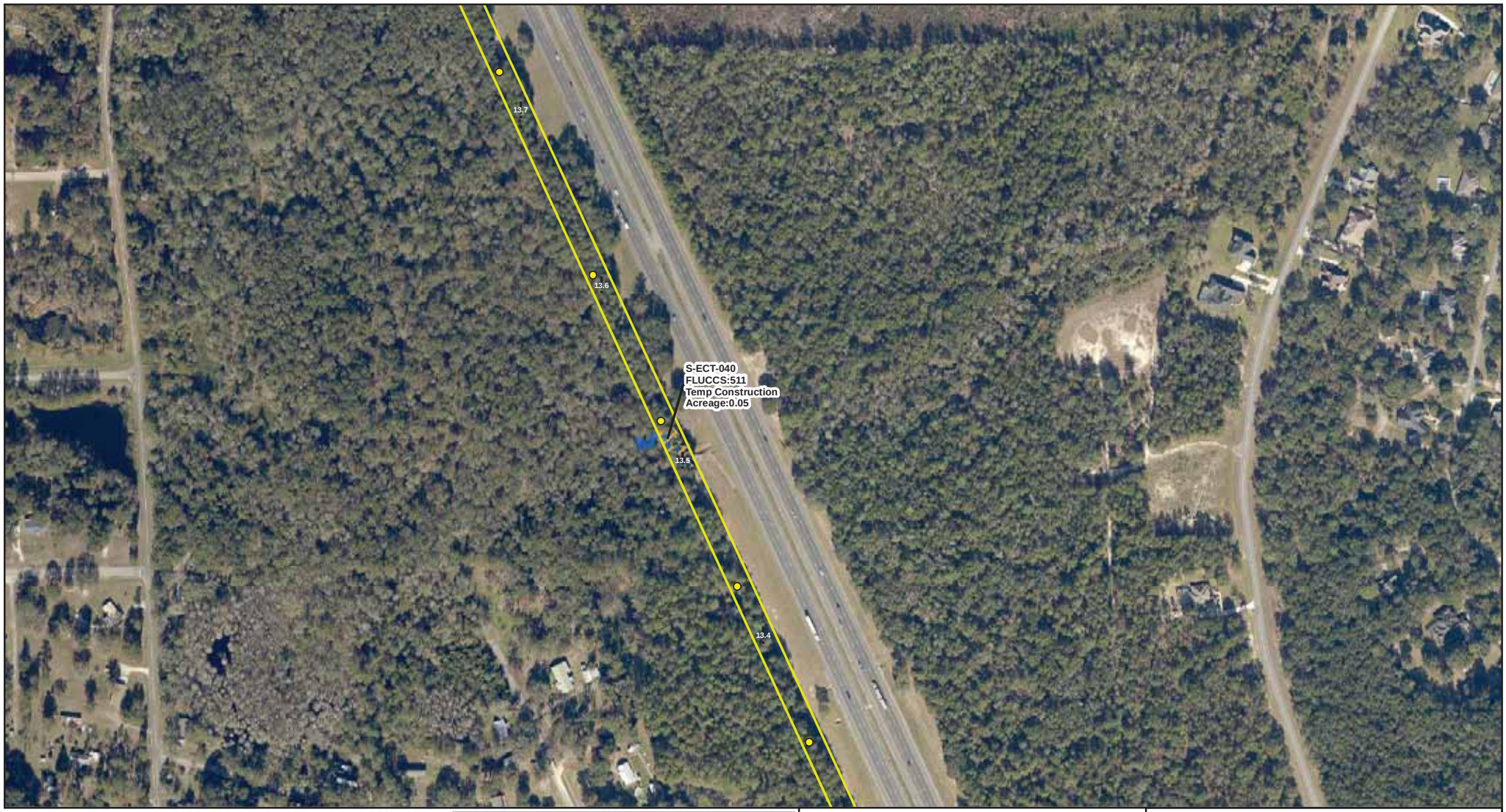
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

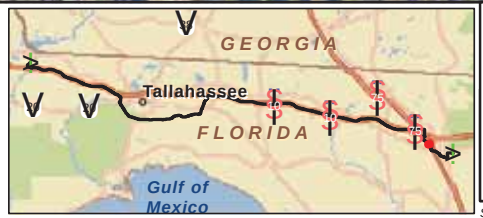
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028941
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Temp Construction
- Temp Matting
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 24 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

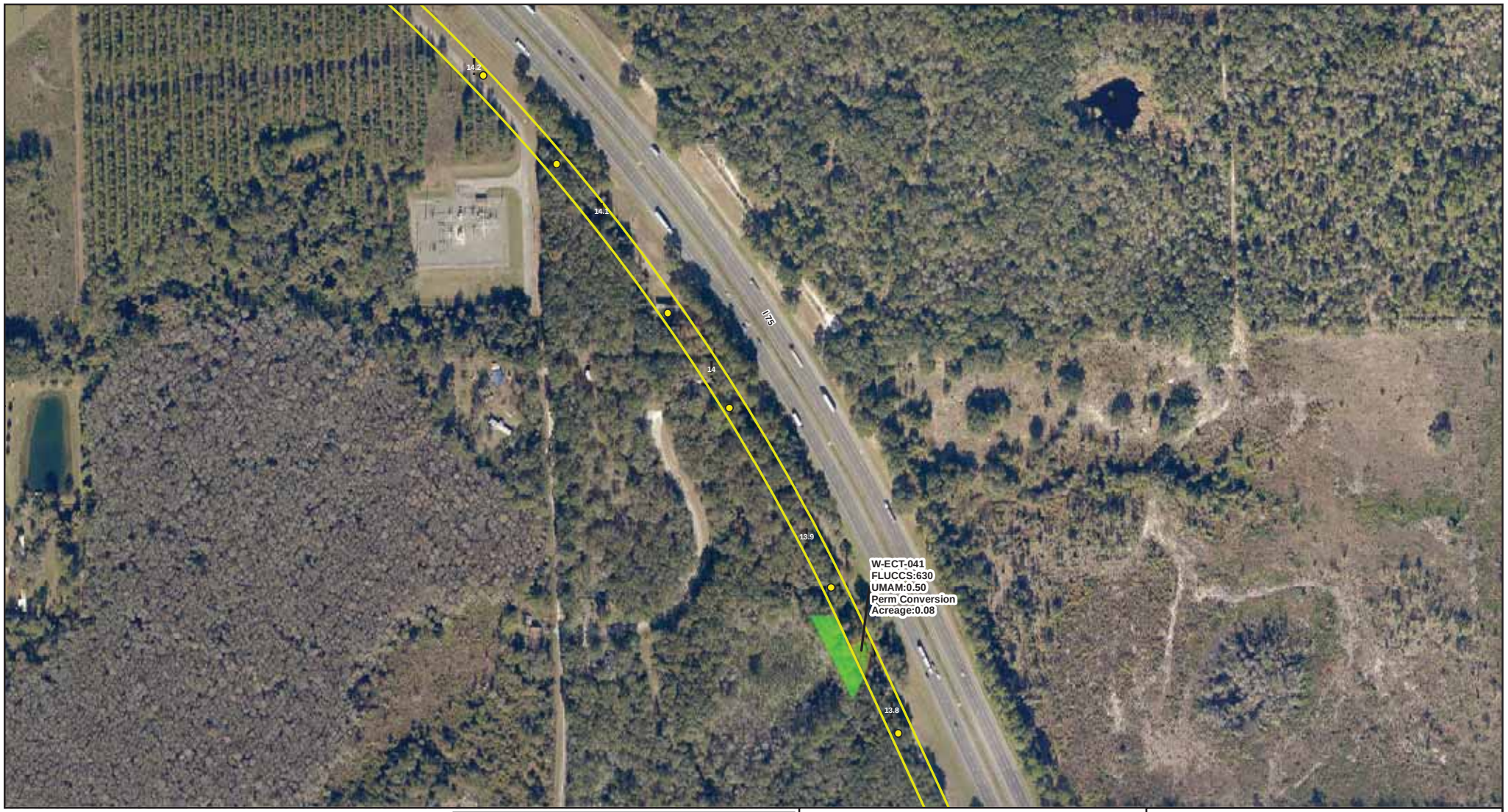
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

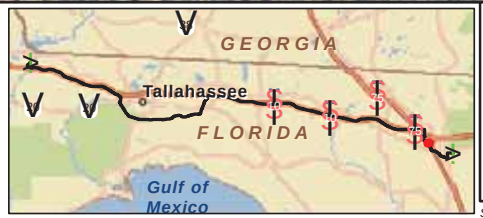
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028942
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 25 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

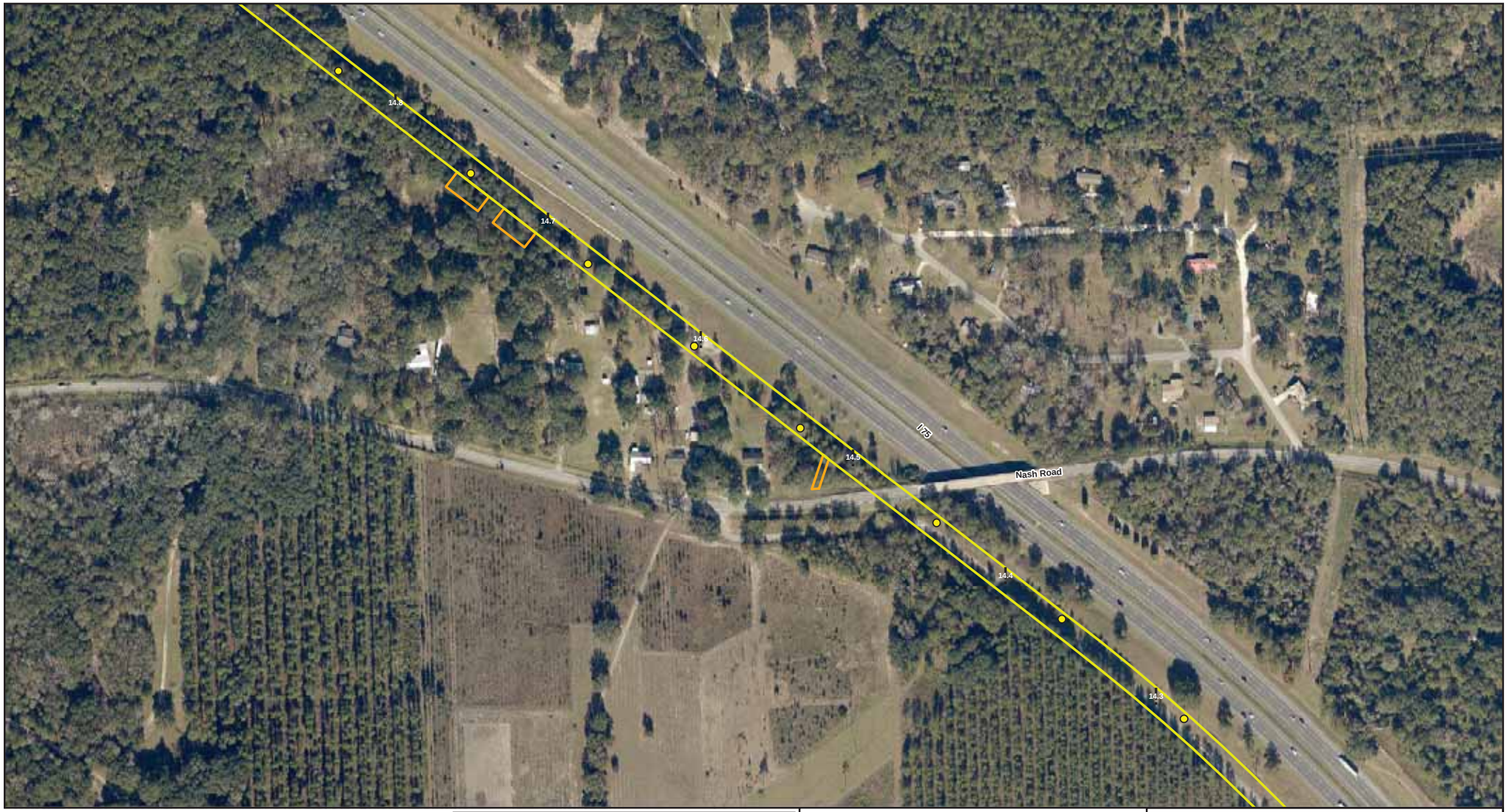
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028943
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 26 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

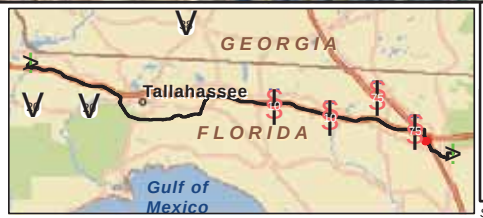
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028944
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 27 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

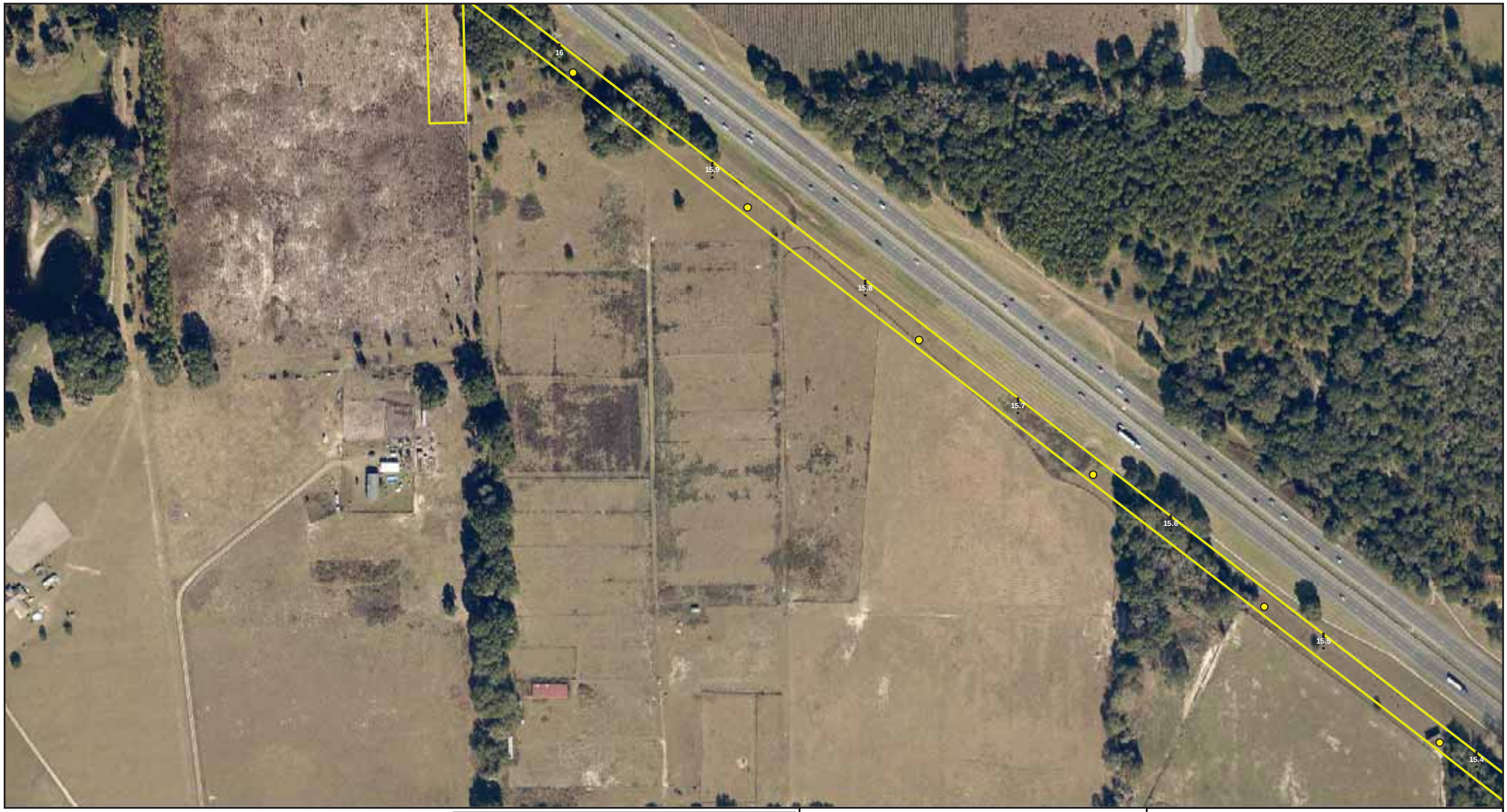
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028945
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 28 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028946
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 29 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

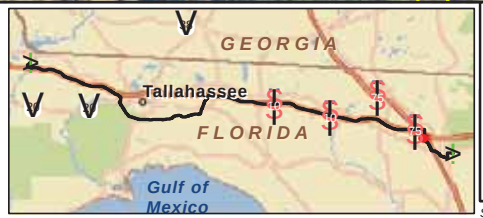
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028947
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 30 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

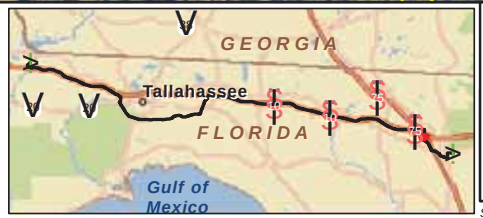
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 31 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

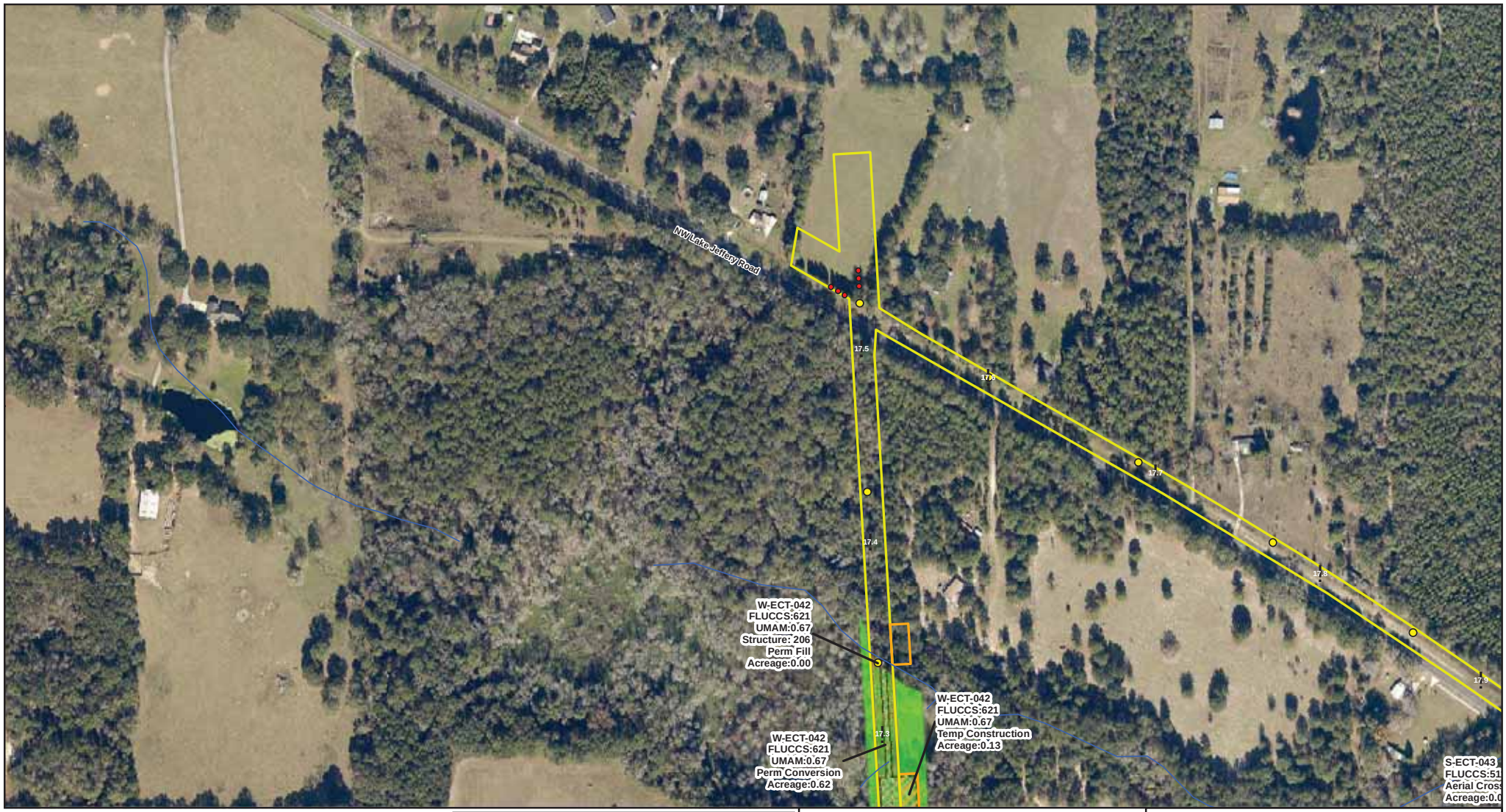
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028949
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 32 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

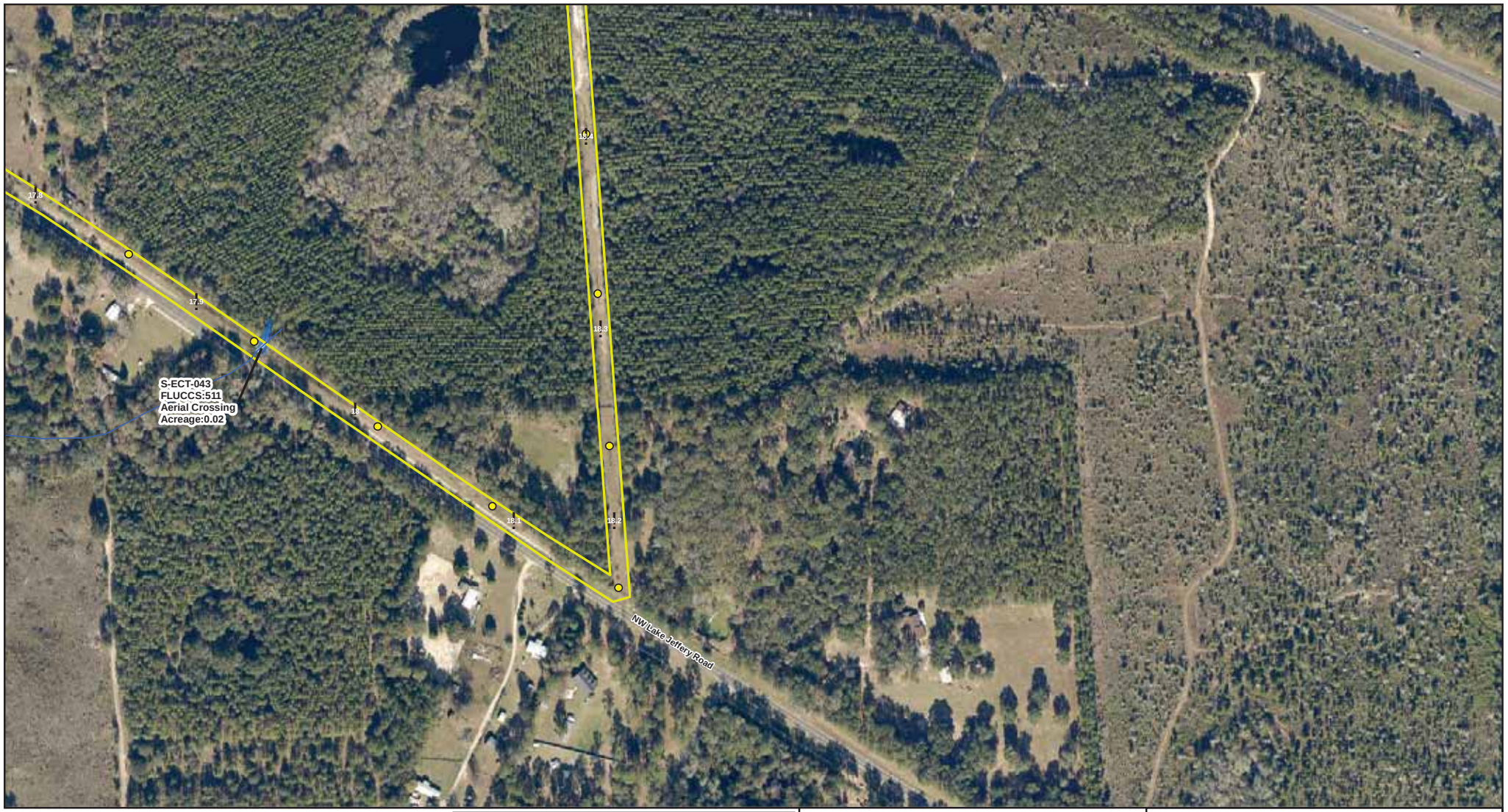
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

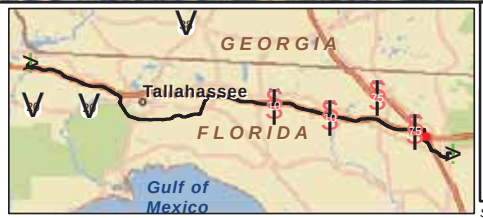
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028950
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Aerial Crossing
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 33 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

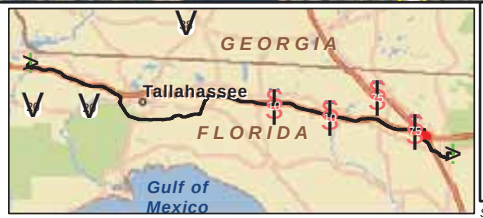
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 34 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

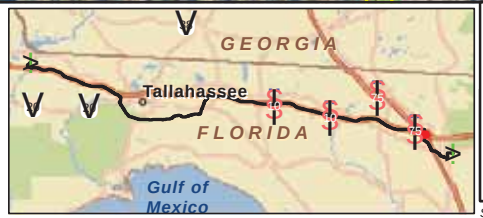
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 35 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028953
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 36 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028954
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 37 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

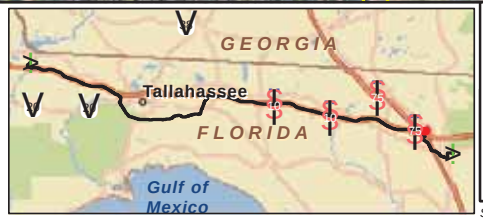
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028955
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Temp Construction
- Temp Matting
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 38 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028956
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Stream
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 39 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

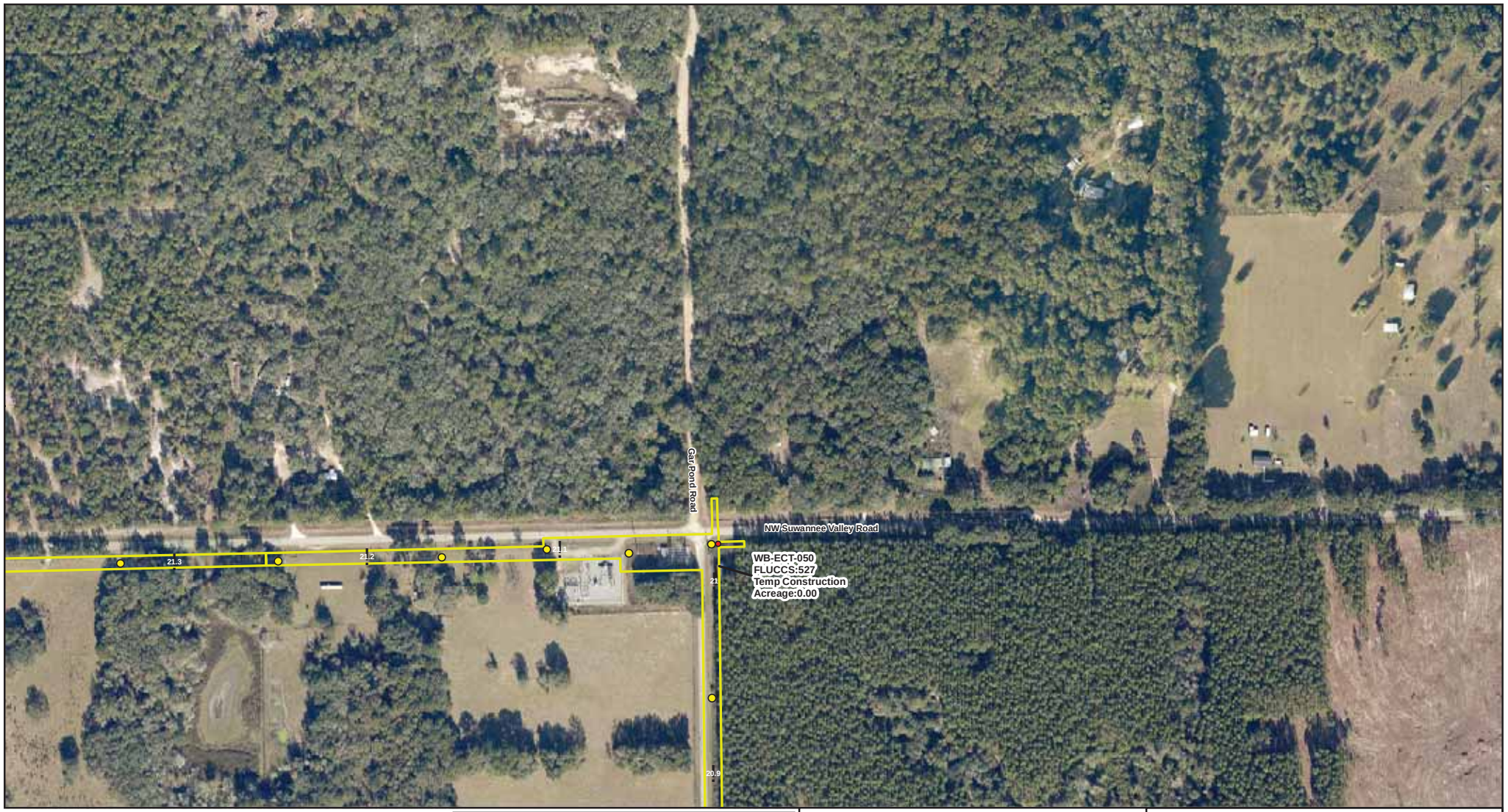
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028957
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Temp Construction
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 40 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028958
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 41 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

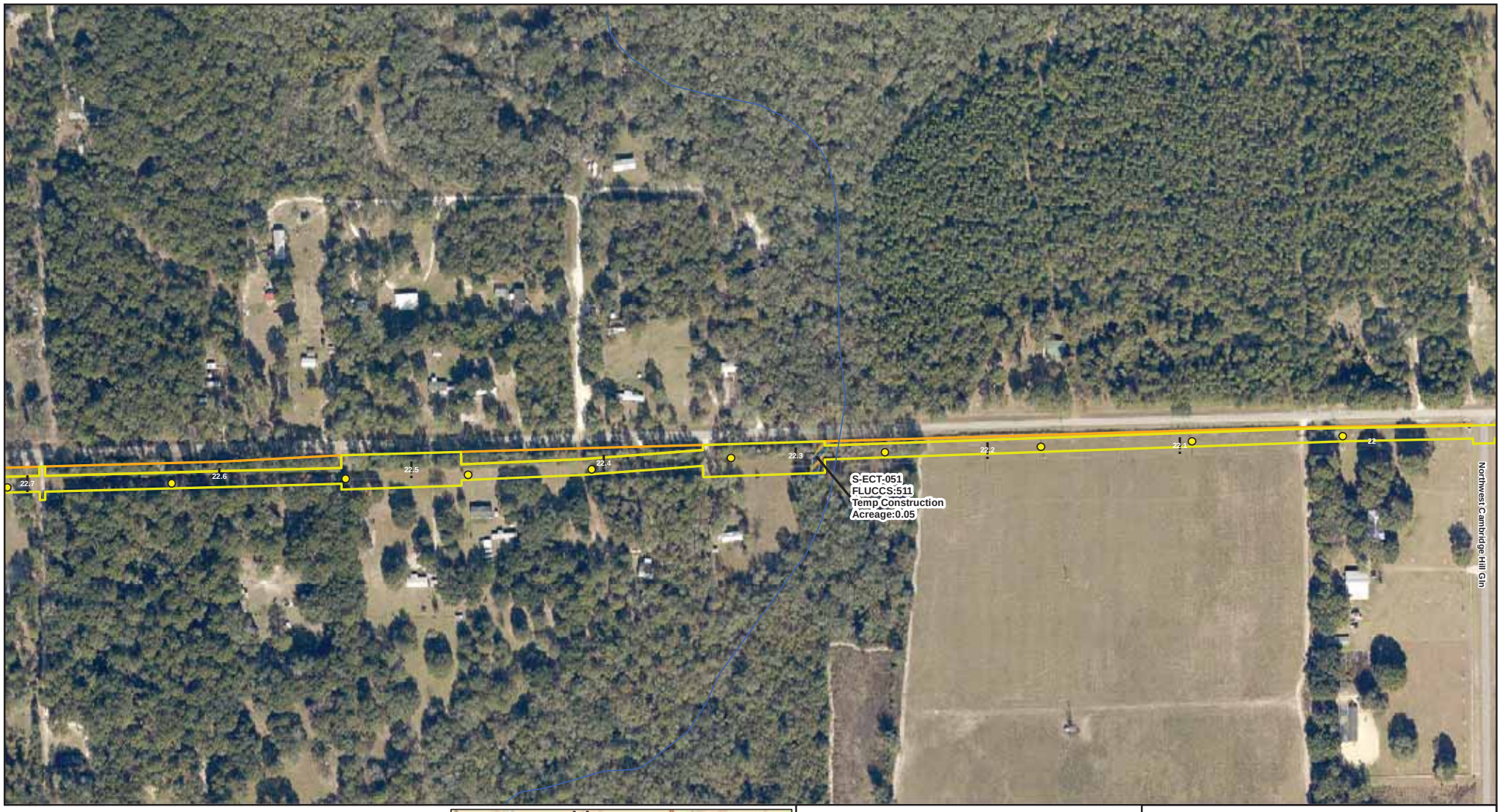
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028959
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Temp Construction
- Temp Matting
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 42 of 297 | COUNTY: COLUMBIA
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_2
DRAWN BY: mseibel | DATE: 3/18/2020 5:43:12 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

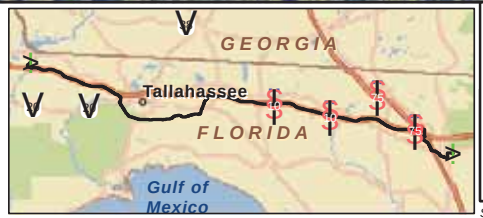
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028960
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 43 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028961
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Staging

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 44 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028962
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 45 of 297 *COUNTY: COLUMBIA*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*
DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028963
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 46 of 297 *COUNTY: COLUMBIA*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_2*

DRAWN BY: mseibel *DATE: 3/18/2020 5:43:12 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028964
20210015-EI

Revised Figure 5

Impacts Map
Suwannee County

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 47 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

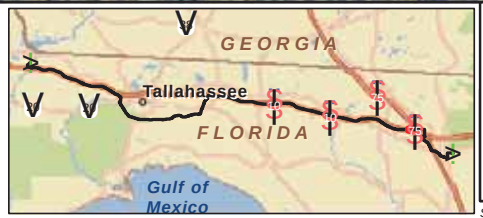
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028966
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 48 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028967
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Wetland
- Ditch
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 49 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028968
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 50 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028969
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 51 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028970
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 52 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

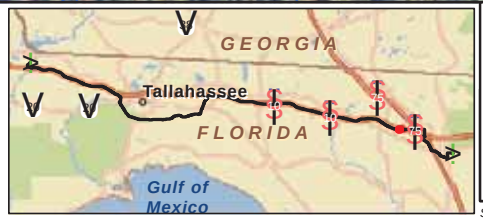
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028971
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 53 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028972
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 54 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028973
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 55 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028974
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Temp Construction
- Ditch
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 56 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

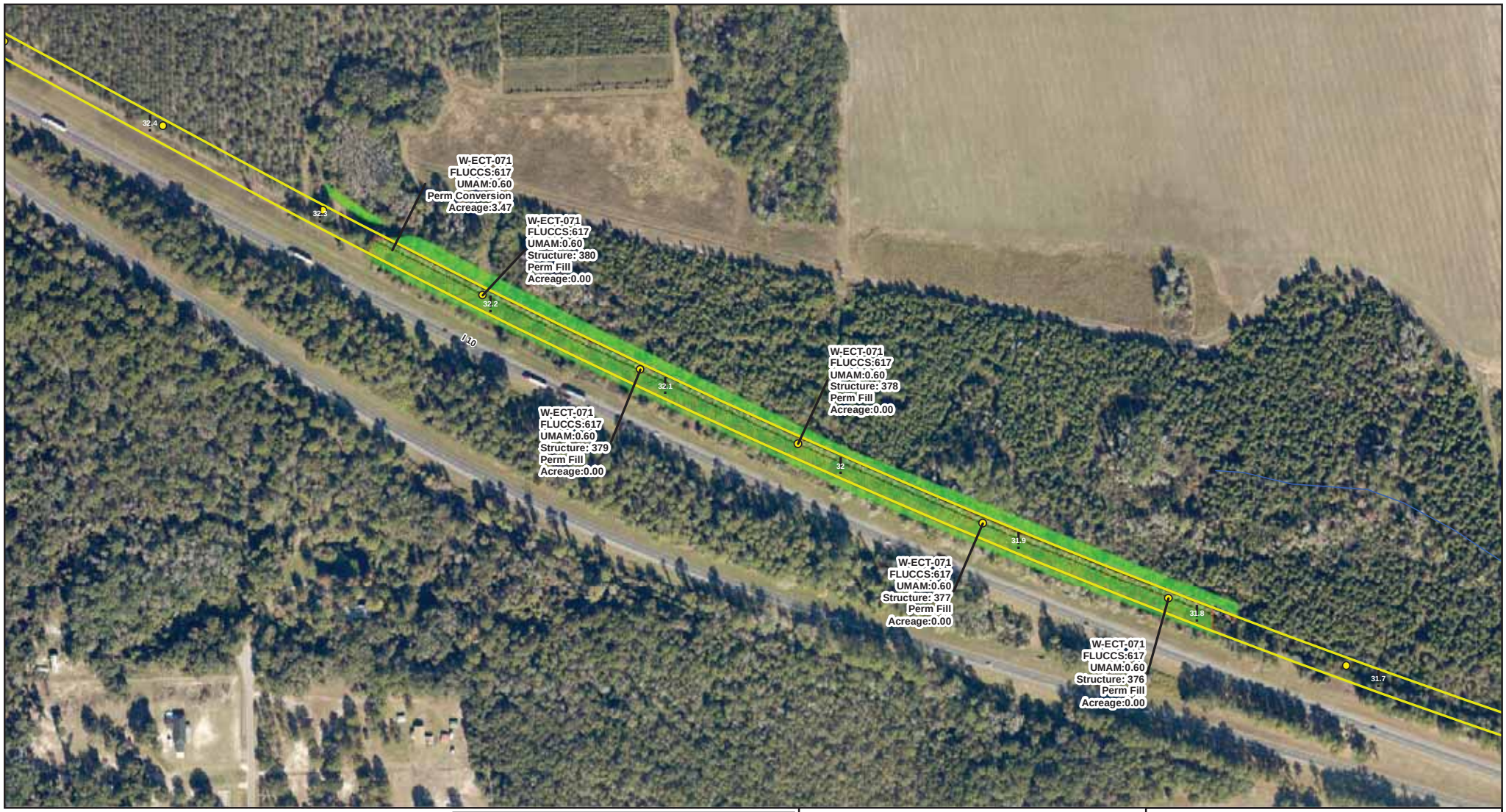
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028975
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 57 of 297 COUNTY: SUWANNEE
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028976
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 58 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

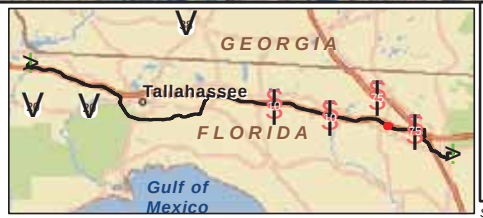
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028977
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 59 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028978
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 60 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028979
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 61 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028980
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 62 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028981
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 63 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028982
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 64 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028983
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 65 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028984
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 66 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028985
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 67 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

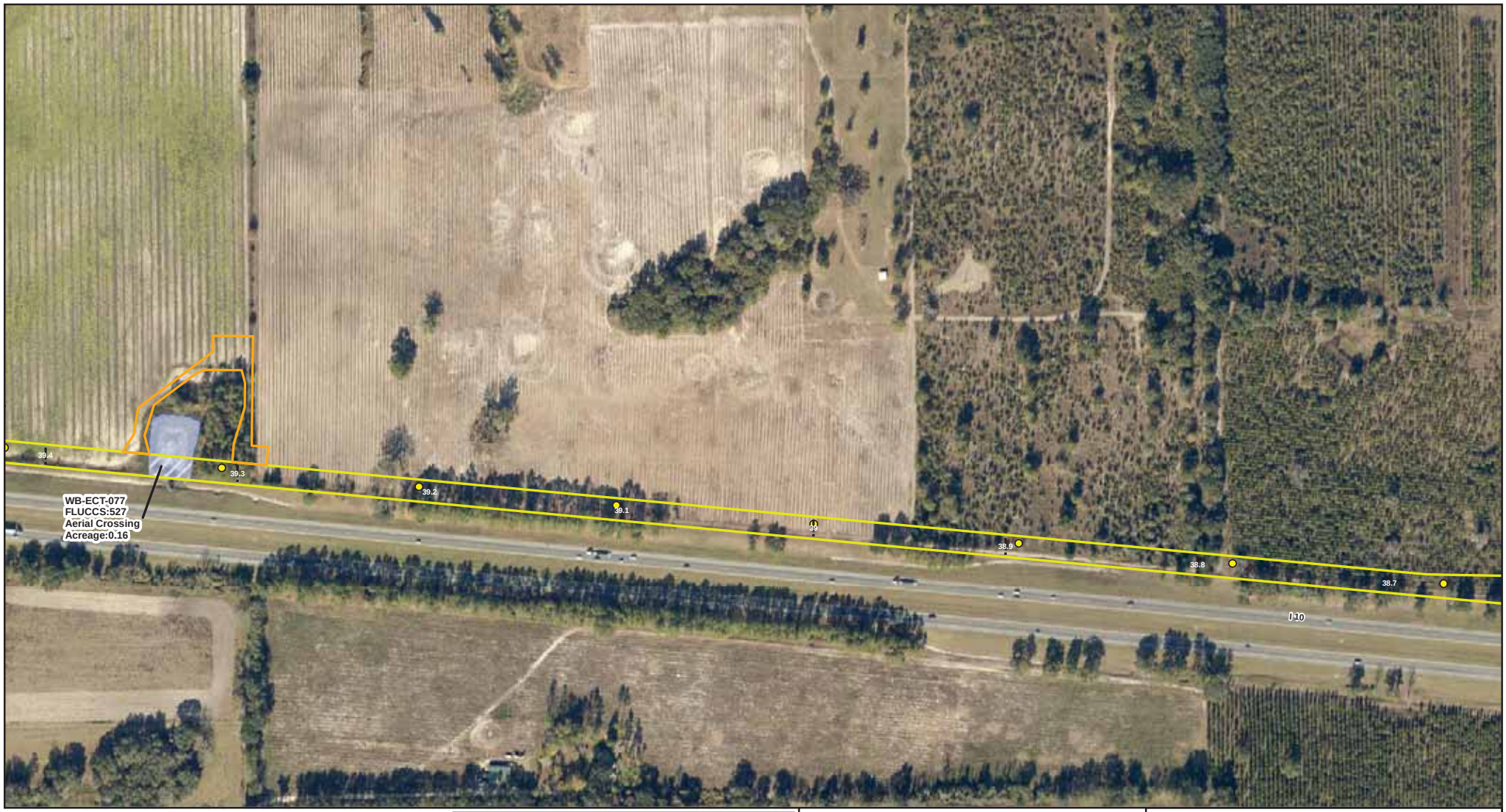
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028986
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Aerial Crossing
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 68 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Aerial Crossing
- Temp Matting
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 69 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028988
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 70 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028989
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 71 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028990
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 72 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028991
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Staging
- Access Area
- Perm Maintained
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 73 of 297 COUNTY: SUWANNEE
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028992
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 74 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

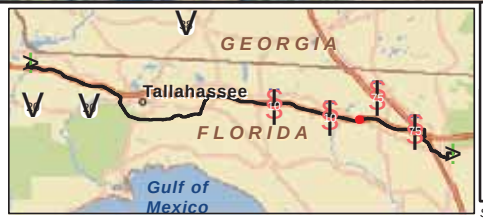
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028993
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 75 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028994
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 76 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028995
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 77 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028996
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 78 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028997
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 79 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

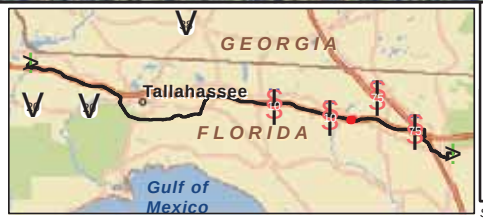
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028998
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Sinkhole



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 80 of 297 *COUNTY: SUWANNEE*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*

DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

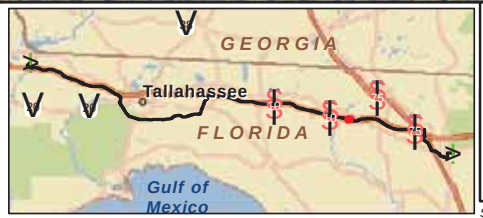
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 028999
20210015-EI

LEGEND

- ! Mile Post
- Structures
- Project Boundary
- Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 81 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

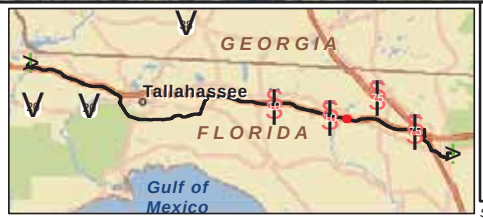
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029000
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 82 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

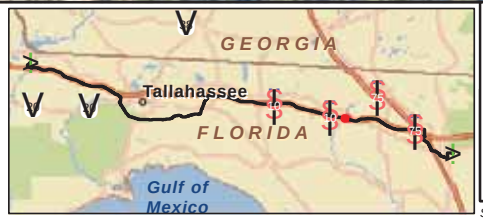
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029001
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 83 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

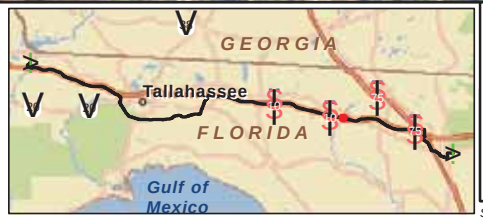
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029002
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 84 of 297 *COUNTY: SUWANNEE*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_su*
DRAWN BY: mseibel *DATE: 3/18/2020 7:35:55 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

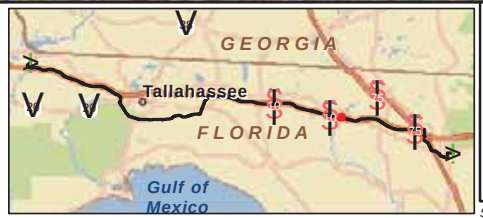
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029003
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 85 of 297 | COUNTY: SUWANNEE
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_su
DRAWN BY: mseibel | DATE: 3/18/2020 7:35:55 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

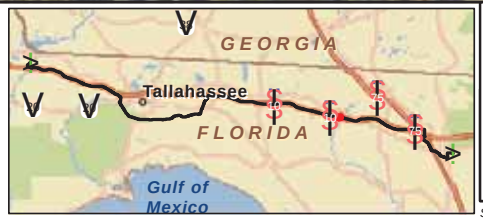
FPL 029004
20210015-EI

Revised Figure 5

Impacts Map
Madison County

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 86 of 297 | COUNTY: MADISON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel | DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029006
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Maintained
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 87 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029007
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Matting

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 88 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029008
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 89 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

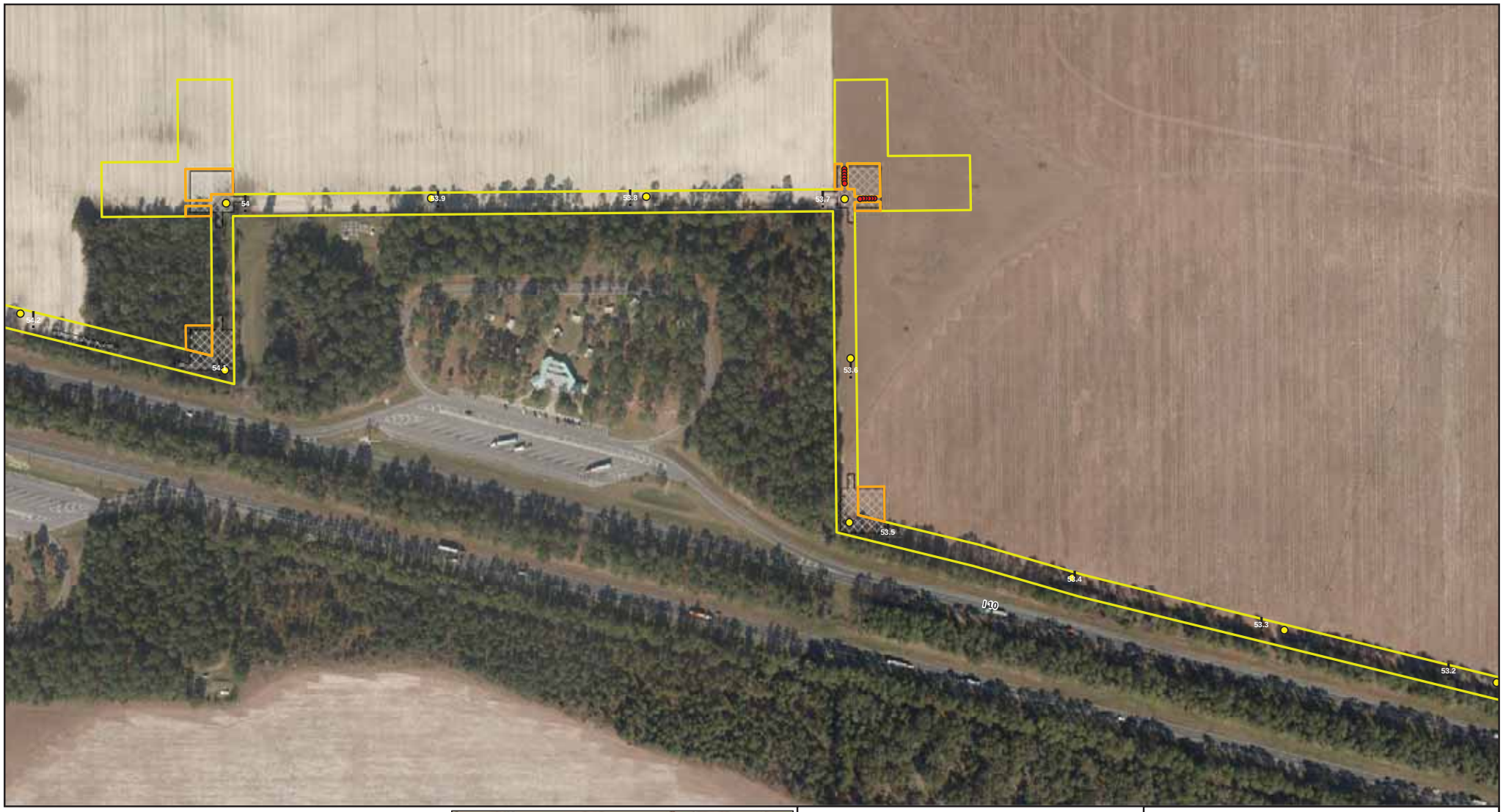
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029009
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area
- Temp Matting

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 90 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029010
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Matting

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 91 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

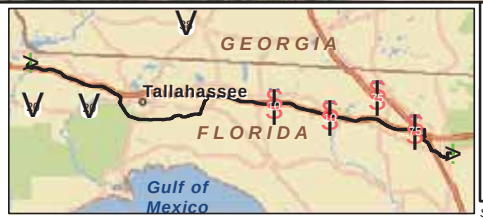
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029011
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 92 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

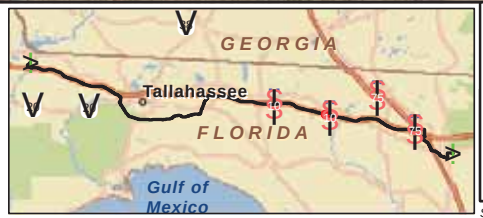
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029012
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Access Area
- Temp Matting
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 93 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

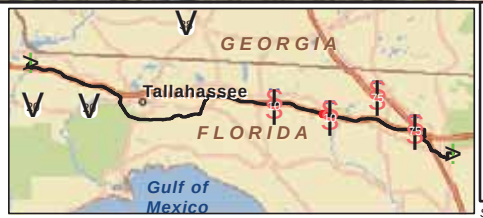
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029013
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Matting
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 94 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029014
20210015-EI

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 95 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029015
20210015-EI

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 96 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

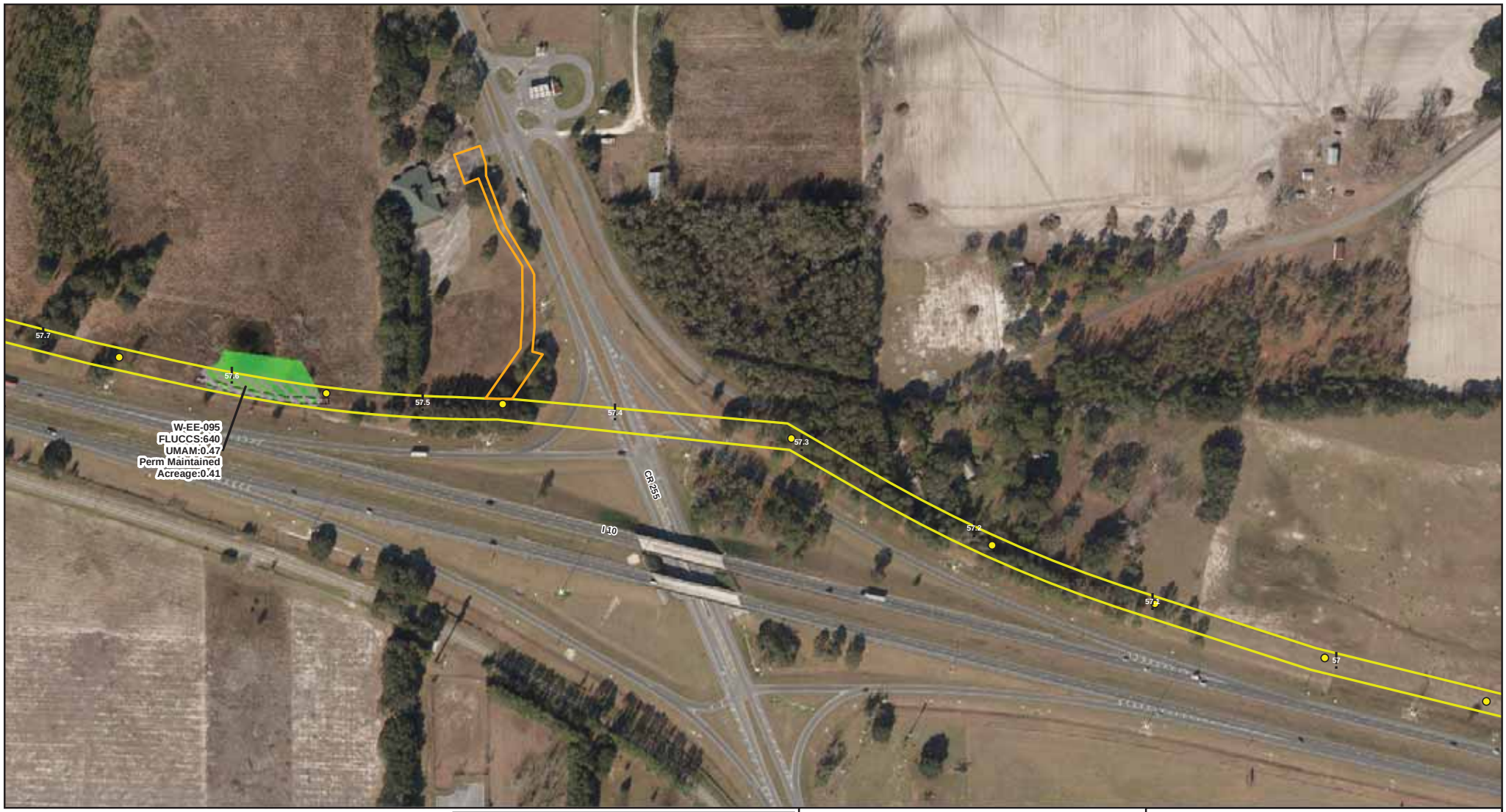
NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

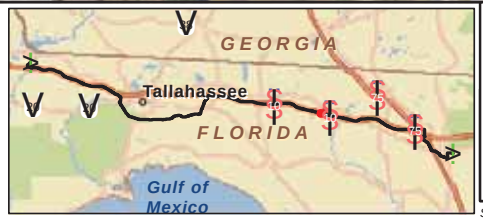
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 97 of 297 | COUNTY: MADISON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel | DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

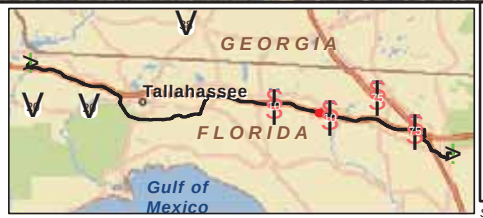
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029017
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 98 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029018
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Staging
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 99 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029019
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Staging
- Temp Construction
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 100 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029020
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 101 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

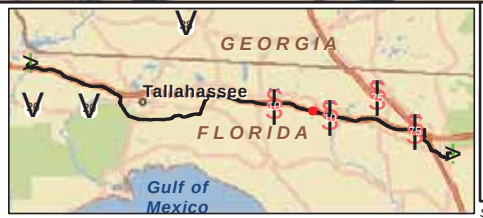
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029021
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 102 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

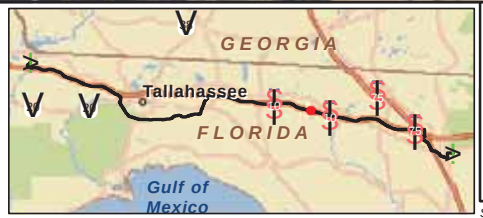
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029022
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Construction
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 103 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

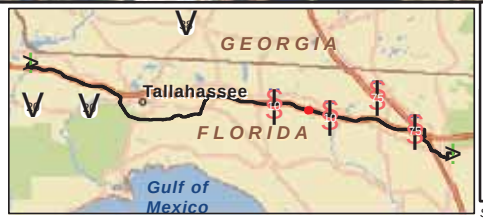
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029023
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 104 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029024
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Matting

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 105 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029025
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 106 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

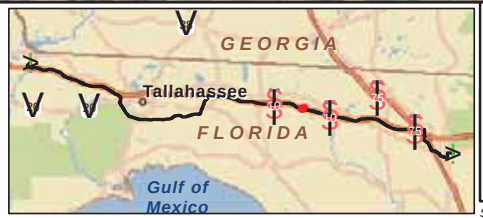
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029026
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 107 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

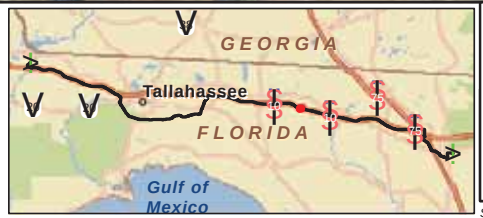
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029027
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 108 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

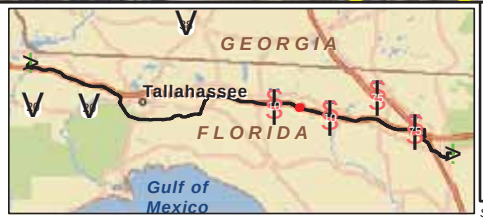
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029028
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 109 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029029
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 110 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029030
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 111 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

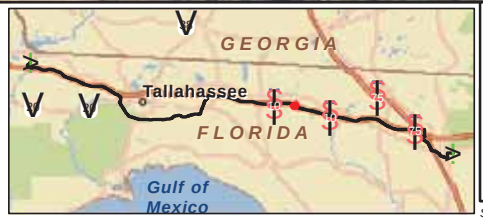
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029031
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 112 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Construction
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 113 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

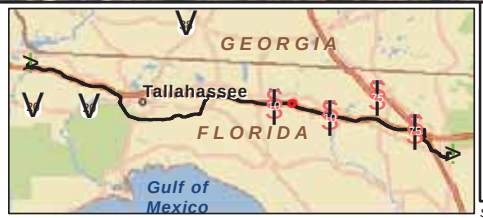
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 114 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

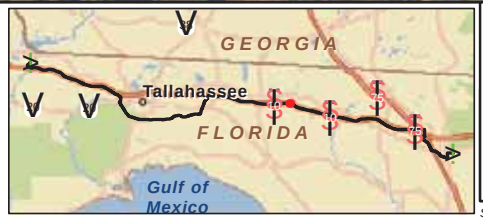
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029034
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 115 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

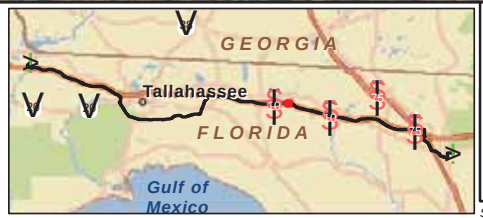
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029035
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 116 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

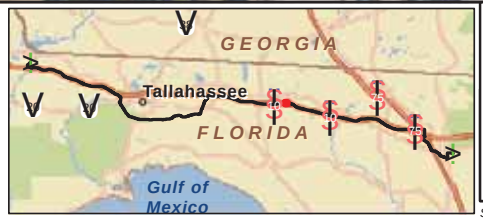
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Temp Matting



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 117 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

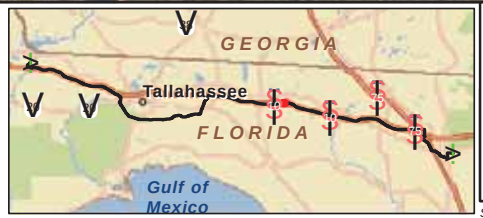
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029037
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 118 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

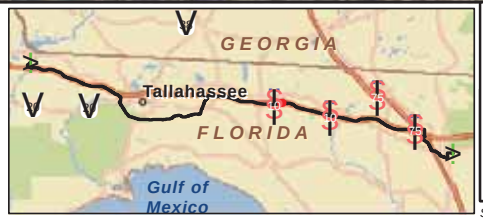
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029038
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 119 of 297 | COUNTY: MADISON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel | DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

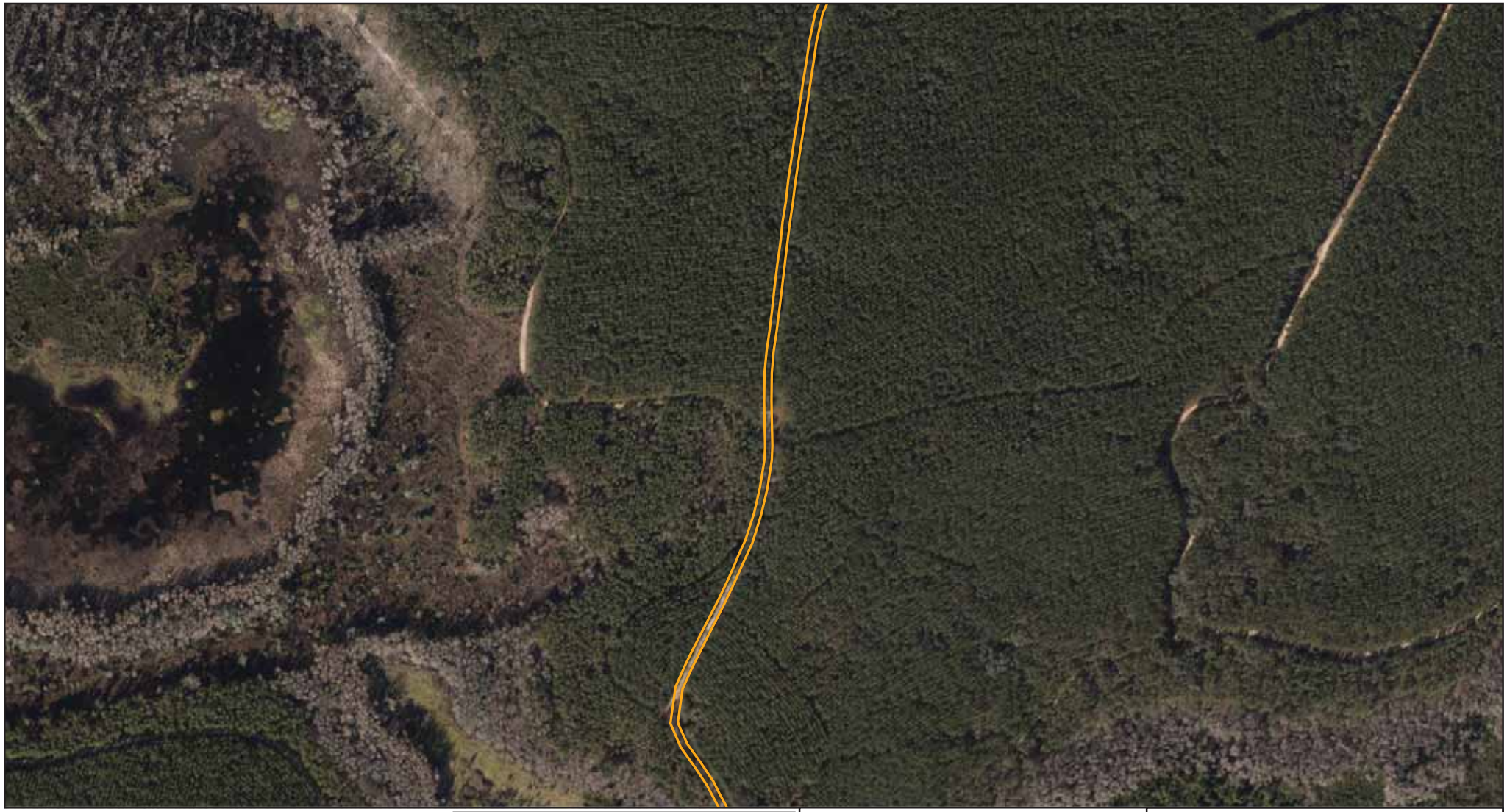
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029039
20210015-EI



LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 120 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029040
20210015-EI

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 121 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

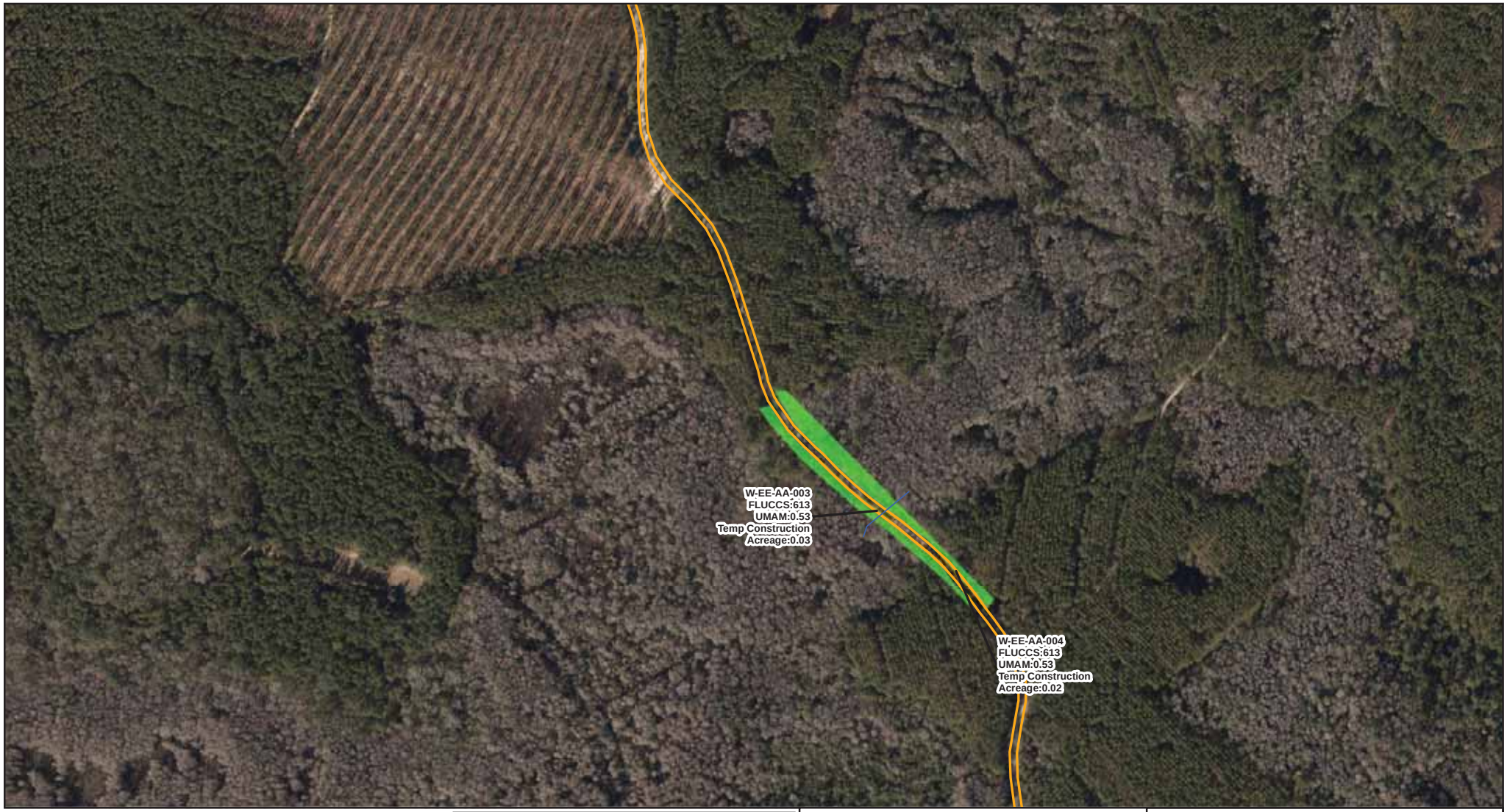
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

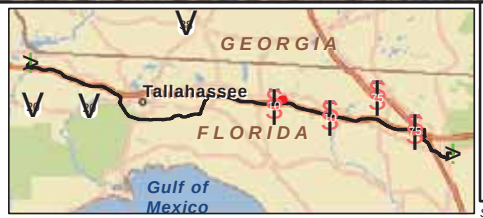
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029041
20210015-EI



LEGEND

Stream/River | Temp Construction | Wetland | Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 122 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 123 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029043
20210015-EI

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 124 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029044
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 125 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029045
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 126 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

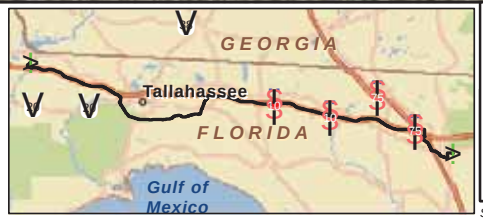
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029046
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 127 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

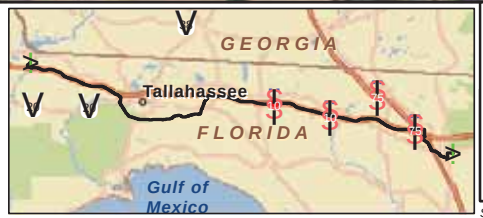
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029047
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 128 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

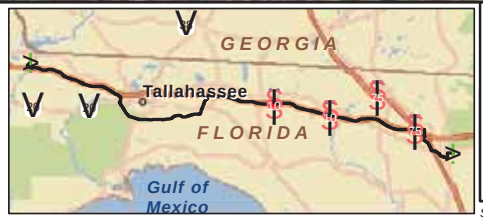
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029048
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 129 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

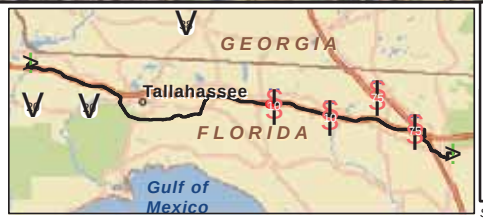
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029049
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 130 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

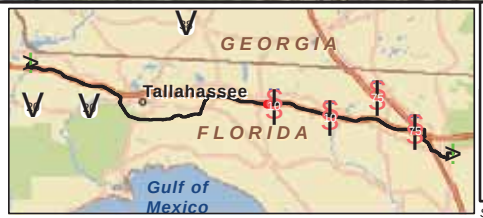
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029050
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 131 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

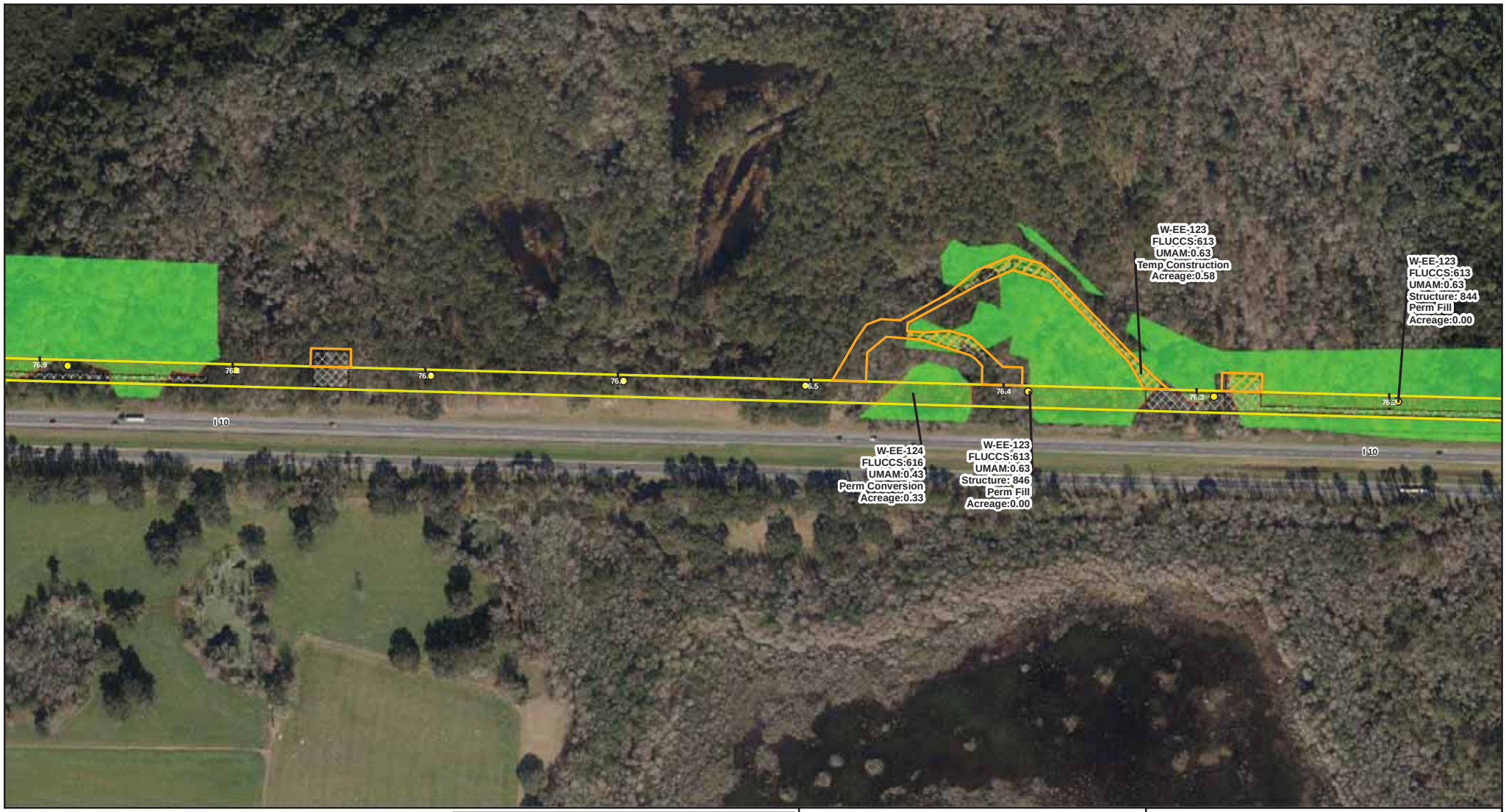
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

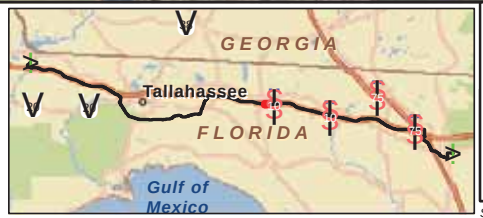
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029051
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 132 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

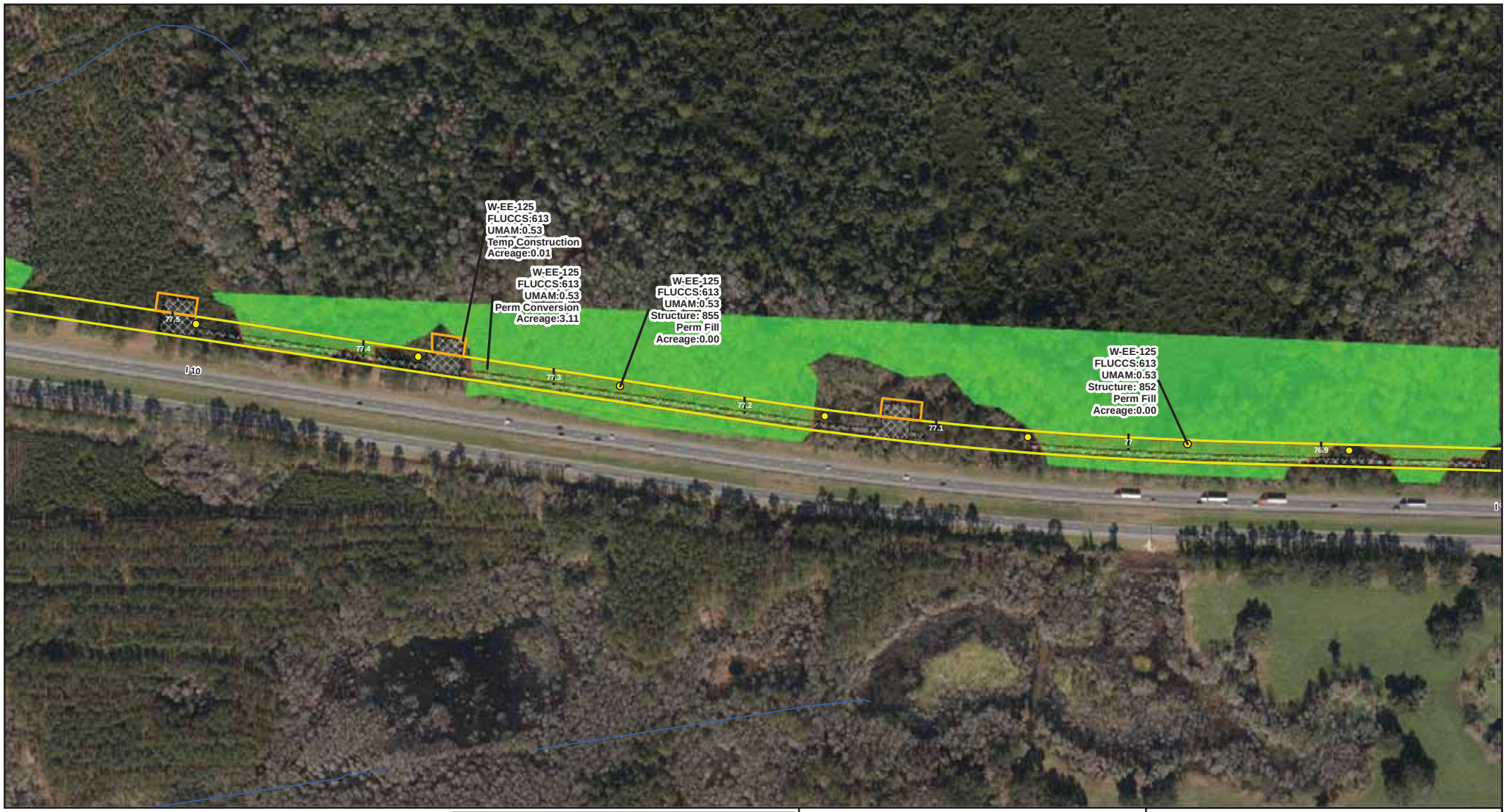
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

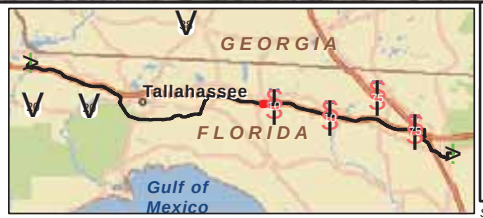
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029052
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 133 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

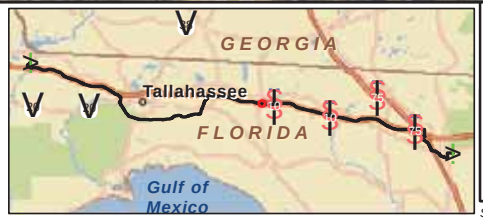
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029053
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 134 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

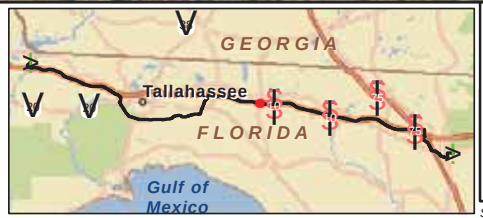
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029054
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 135 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

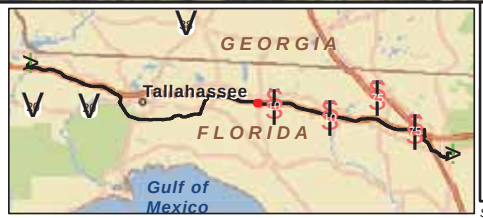
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029055
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Repeater Station
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 136 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029056
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Repeater Station
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 137 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

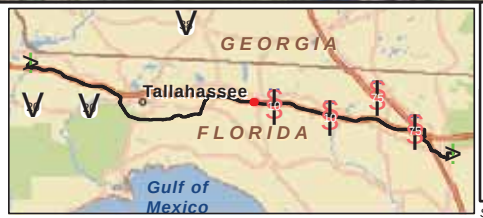
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029057
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 138 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029058
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 139 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

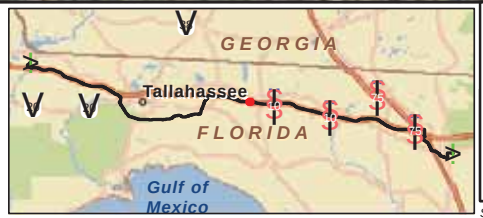
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029059
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 140 of 297 *COUNTY: MADISON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*

DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

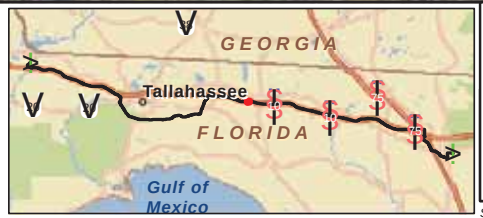
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029060
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 141 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

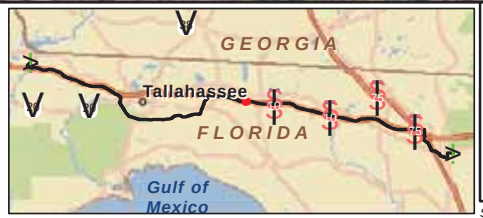
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029061
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 142 of 297 COUNTY: MADISON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ma
DRAWN BY: mseibel DATE: 3/18/2020 5:10:06 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

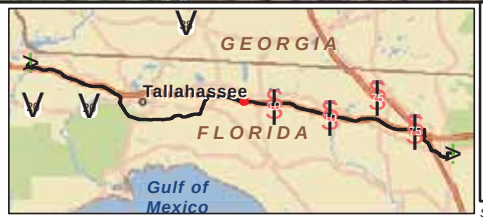
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029062
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 143 of 297 *COUNTY: MADISON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ma*
DRAWN BY: mseibel *DATE: 3/18/2020 5:10:06 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029063
20210015-EI

Revised Figure 5

Impacts Map
Jefferson County

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 146 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

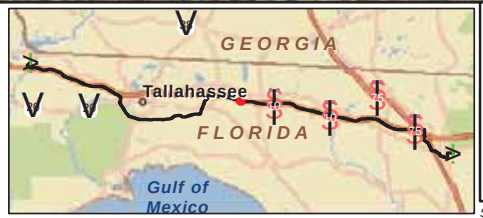
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029065
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 147 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029066
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 148 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

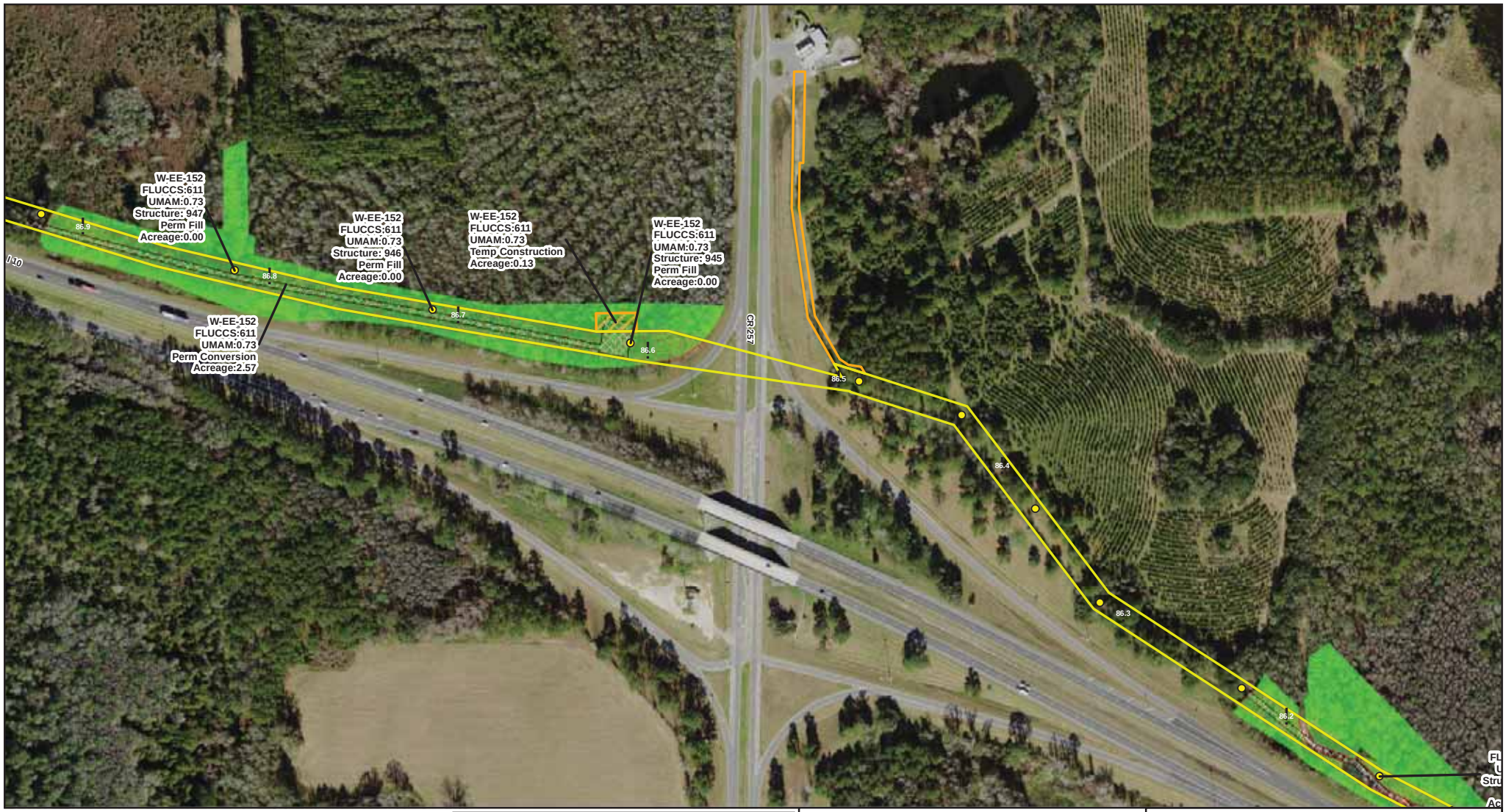
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029067
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 149 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

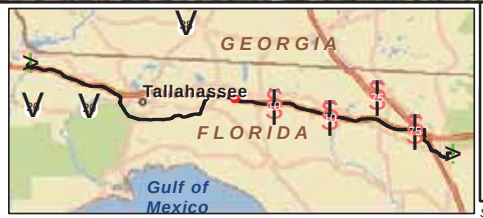
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029068
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 150 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

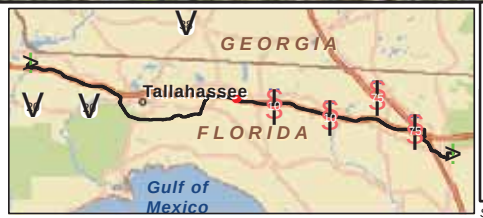
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

Access Area | Temp Construction | Wetland | Temp Matting



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 151 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029070
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 152 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

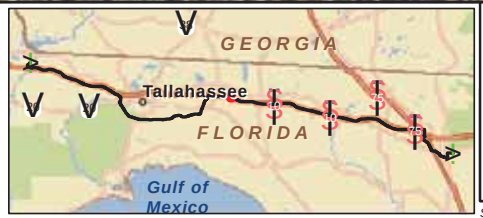
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029071
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 153 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

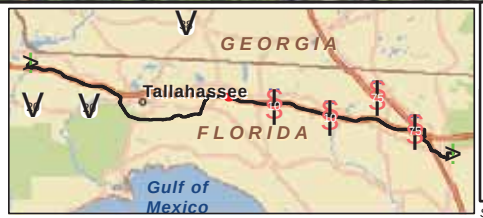
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029072
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 154 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

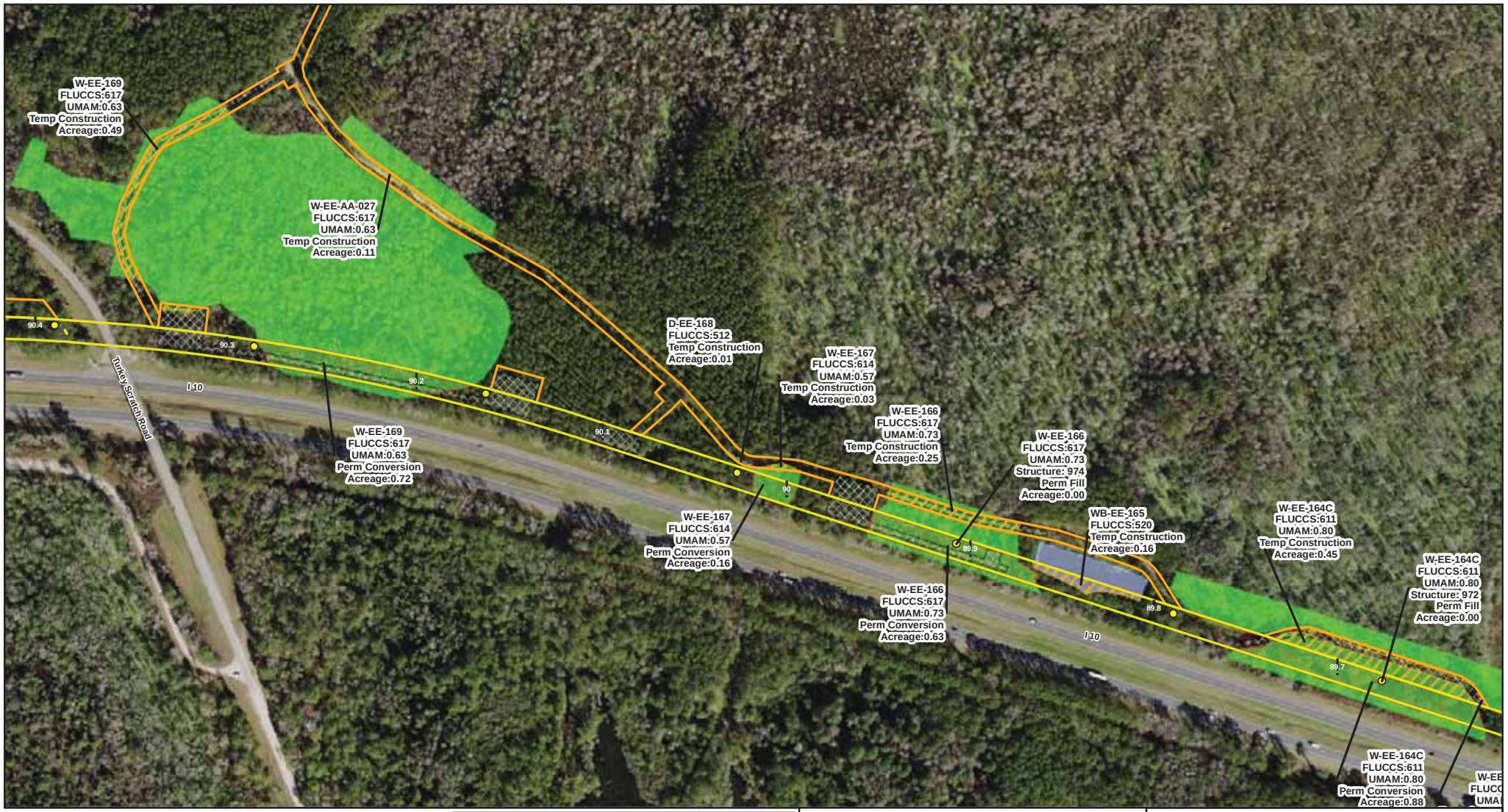
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

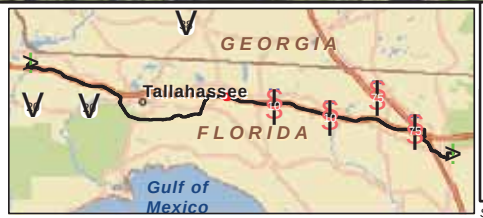
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029073
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 155 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029074
20210015-EI

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 156 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

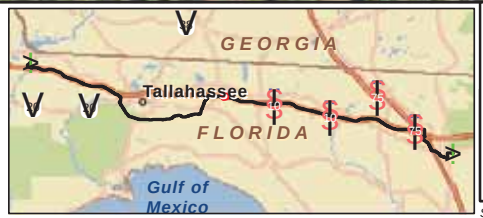
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029075
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 157 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

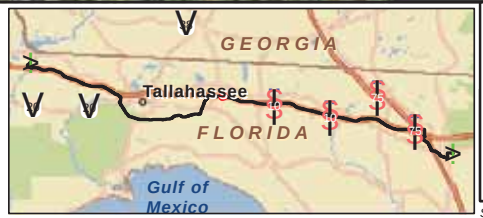
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029076
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 158 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

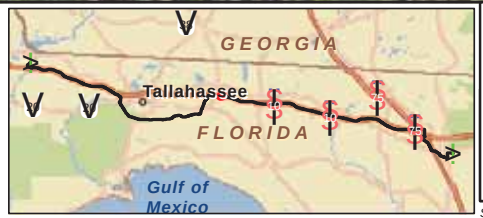
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029077
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 159 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

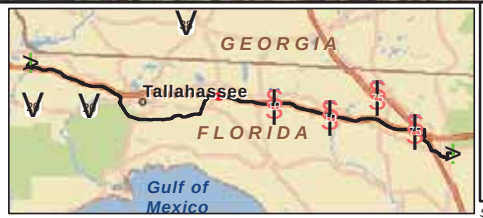
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029078
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Temp Construction
- Temp Matting
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 160 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

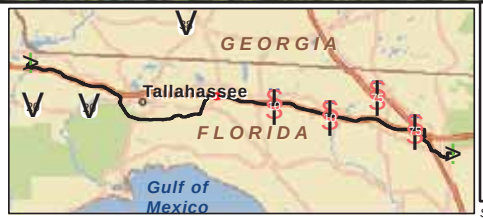
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029079
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 161 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

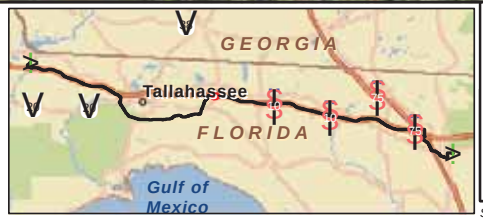
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029080
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 162 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029081
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Staging
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 163 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

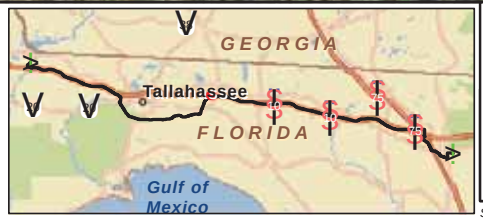
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029082
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Staging
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 164 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

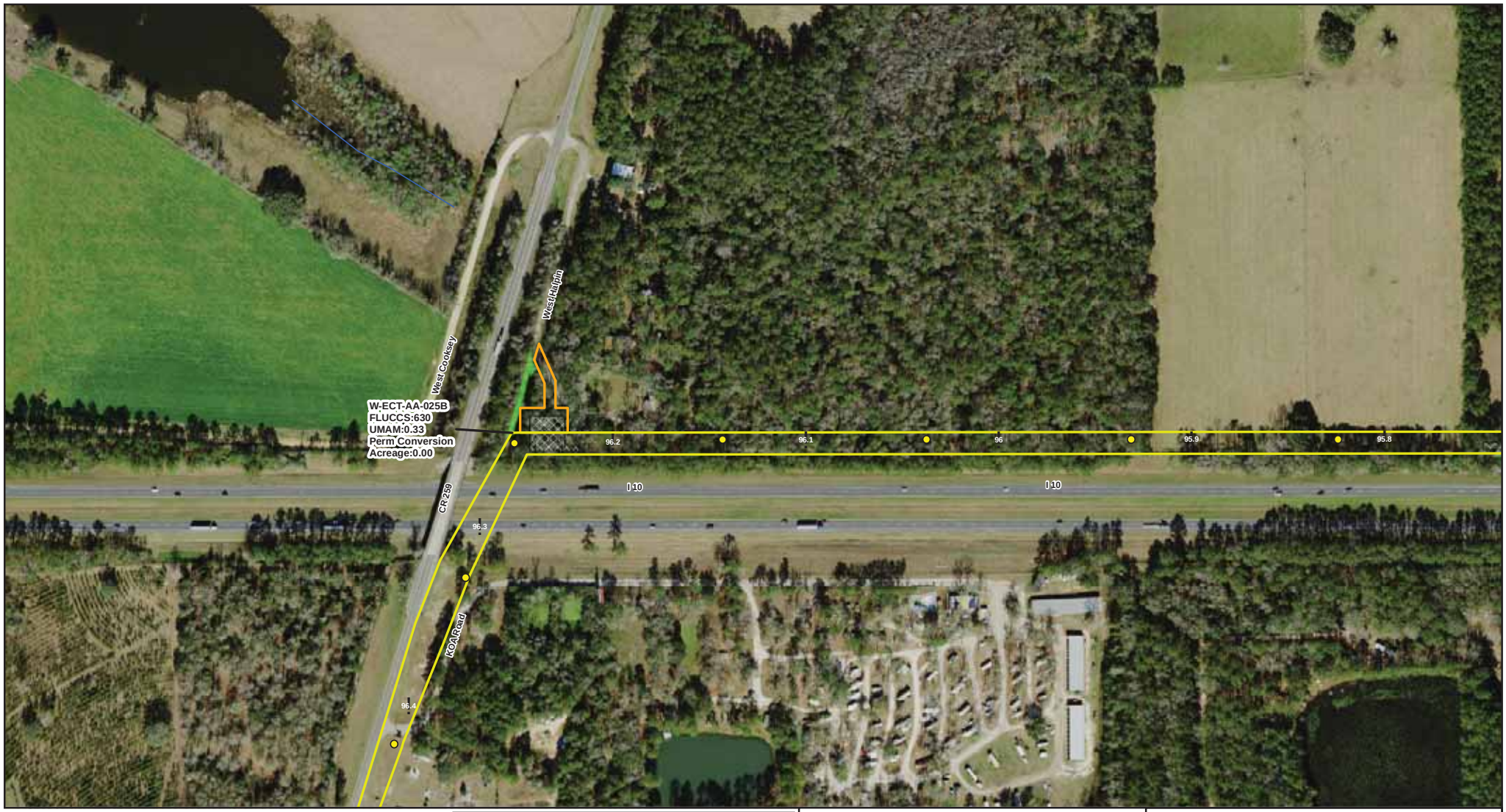
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

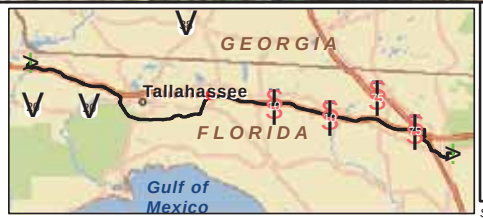
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029083
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 165 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

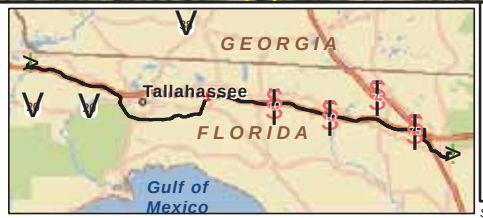
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029084
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Temp Construction
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 166 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029085
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 167 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

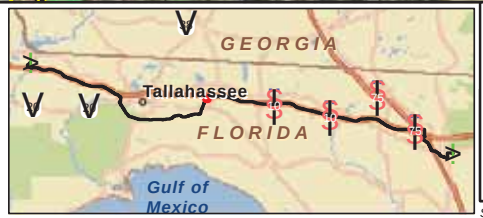
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029086
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 168 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

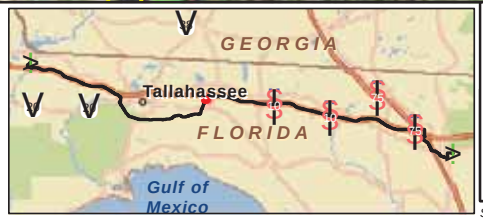
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029087
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 169 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

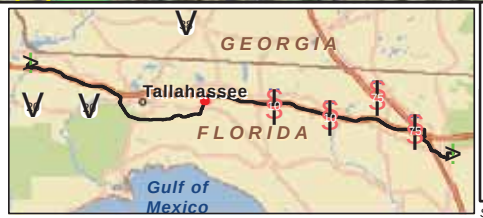
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029088
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Construction
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 170 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Construction
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 171 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

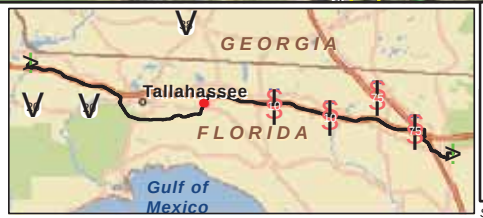
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029090
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Construction
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 172 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

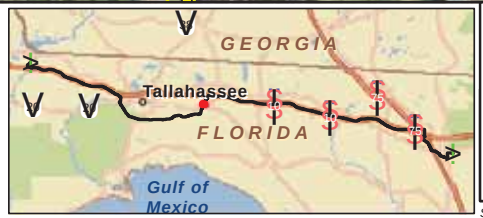
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029091
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 173 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

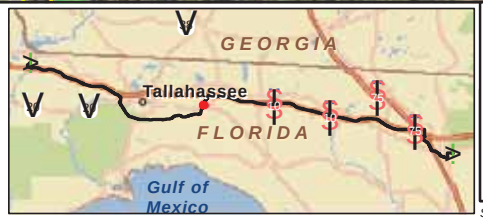
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029092
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 174 of 297 COUNTY: JEFFERSON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

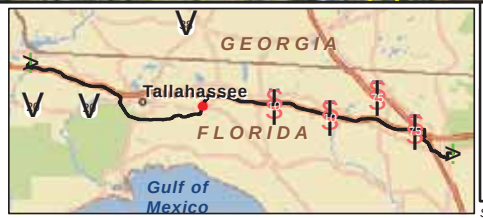
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029093
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 175 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

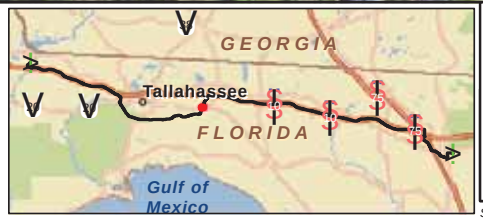
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029094
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 176 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

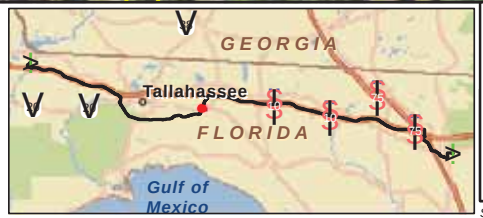
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029095
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 177 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

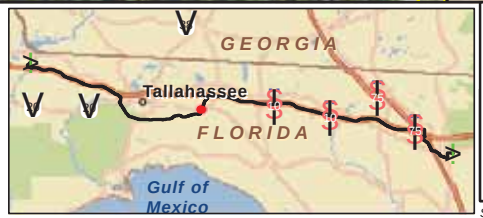
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029096
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 178 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

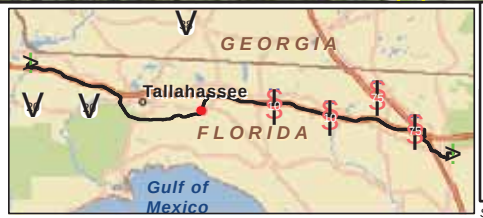
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029097
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 179 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

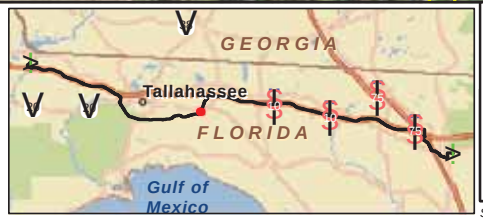
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029098
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 180 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029099
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 181 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

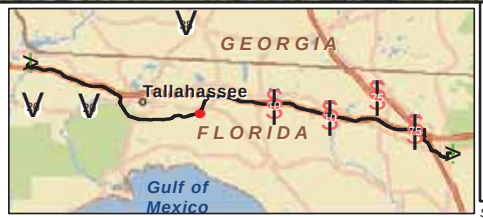
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029100
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 182 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

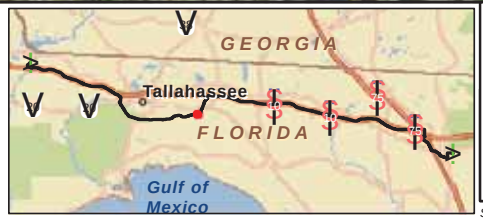
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029101
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 183 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029102
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 184 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

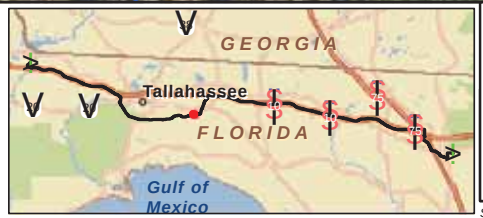
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 185 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

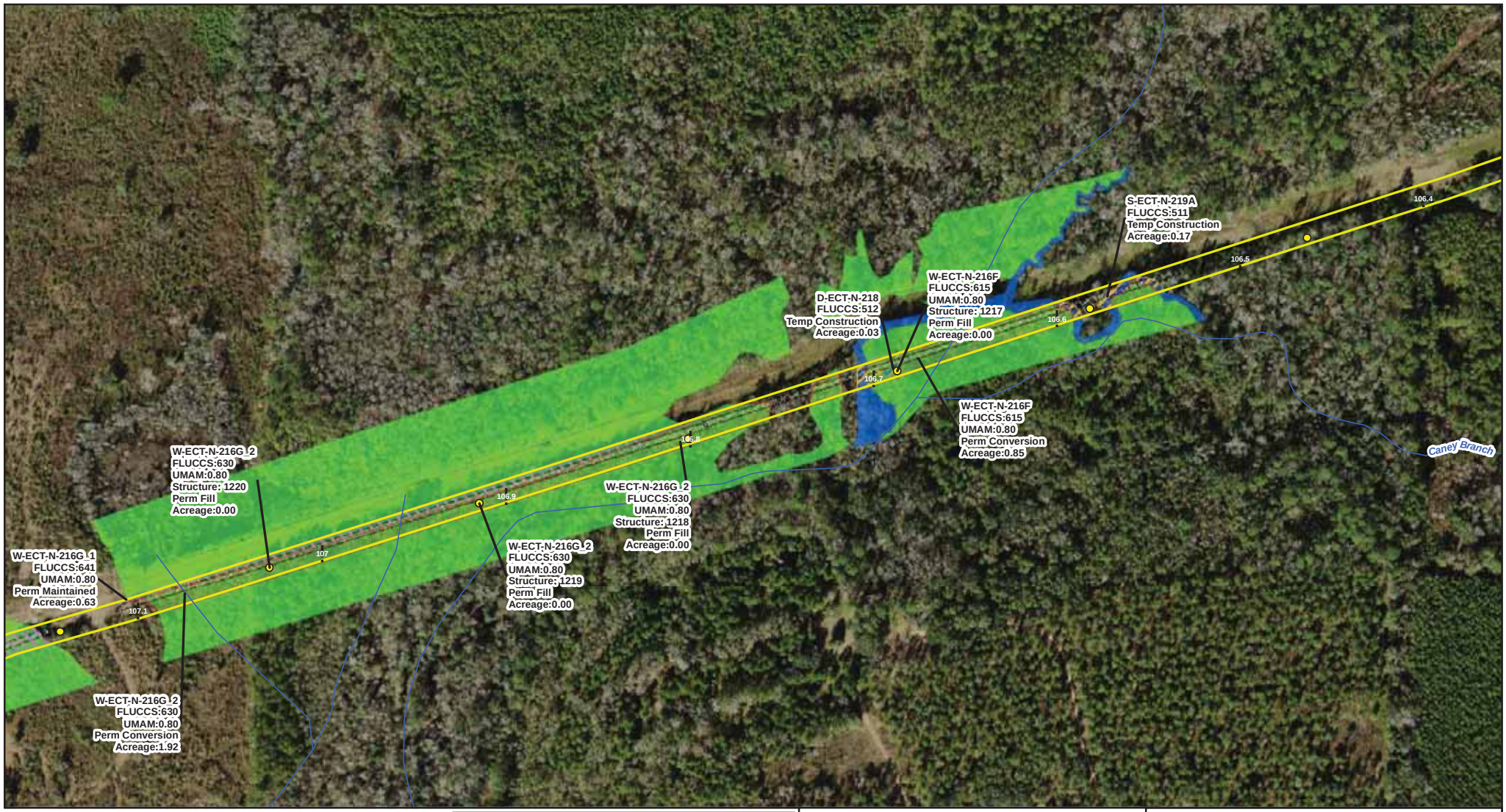
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

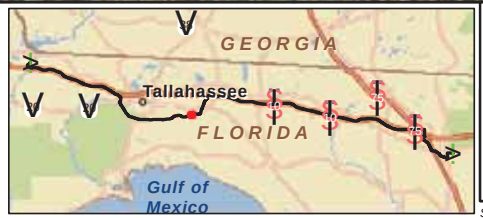
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029104
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 186 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

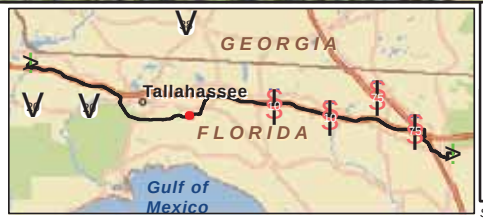
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029105
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 187 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

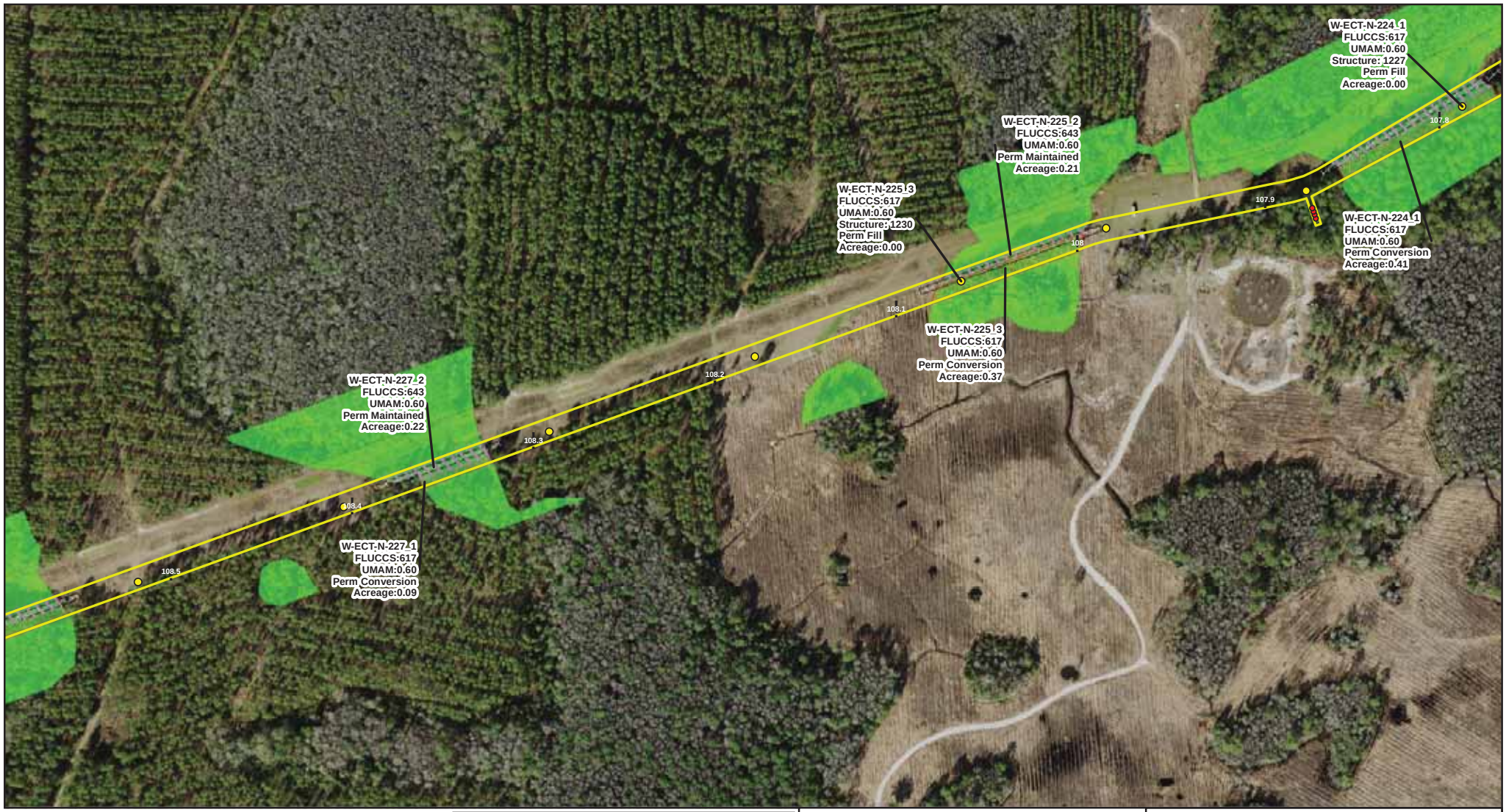
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

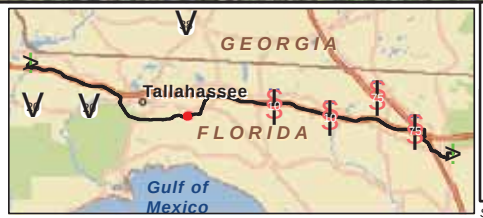
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029106
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 188 of 297 | COUNTY: JEFFERSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_je
DRAWN BY: mseibel | DATE: 3/18/2020 4:07:52 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

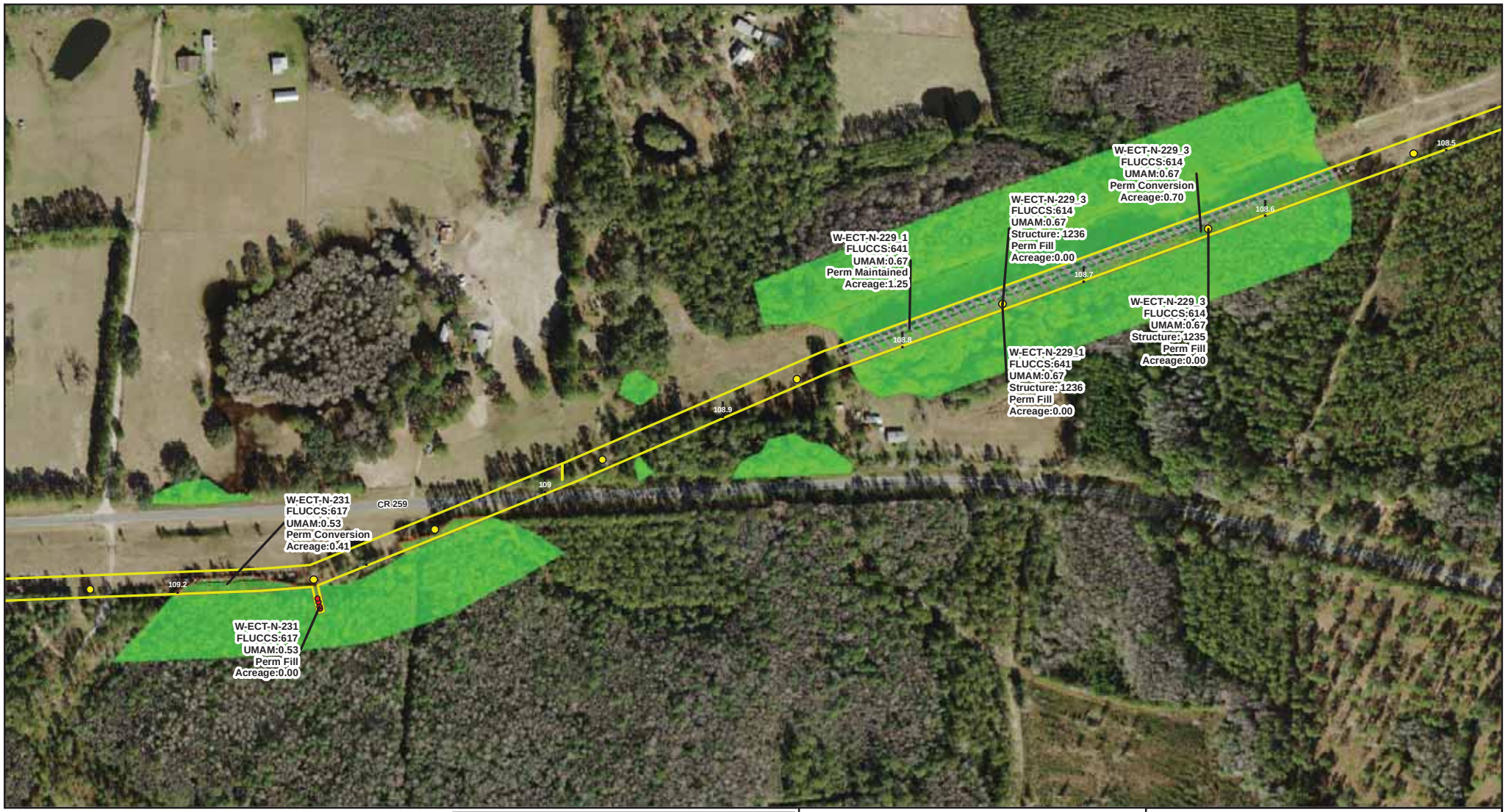
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029107
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 189 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029108
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 190 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

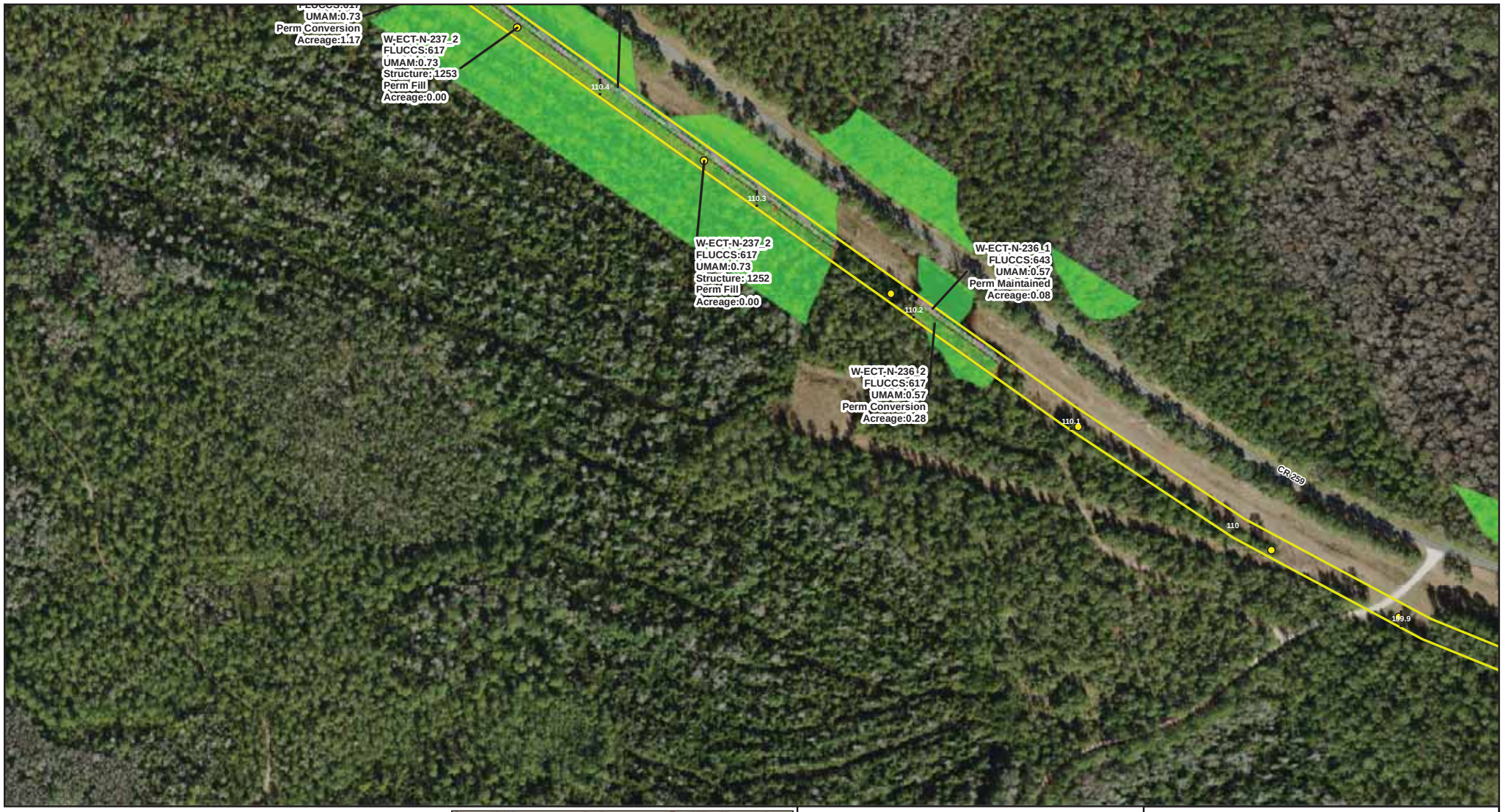
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029109
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 191 of 297 *COUNTY: JEFFERSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*
DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

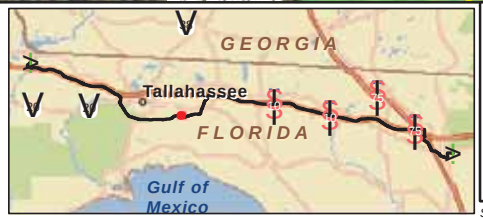
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029110
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 192 of 297 *COUNTY: JEFFERSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_je*

DRAWN BY: mseibel *DATE: 3/18/2020 4:07:52 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

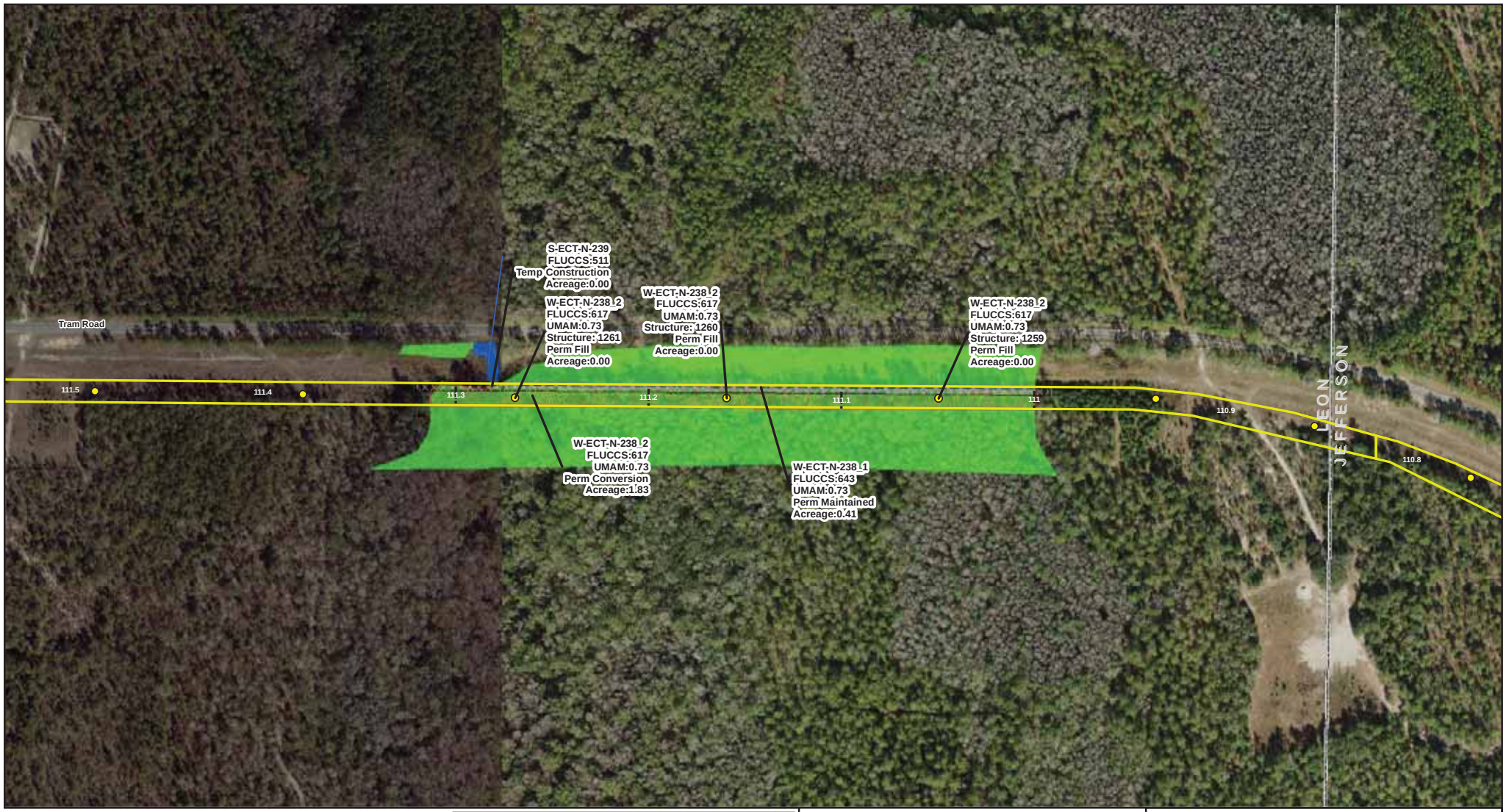
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029111
20210015-EI

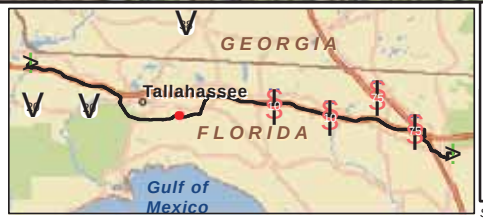
Revised Figure 5

Impacts Map
Leon County



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 193 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

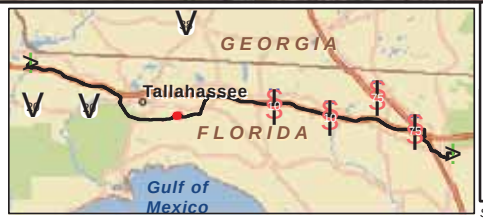
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029113
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 194 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029114
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 195 of 297 COUNTY: LEON
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

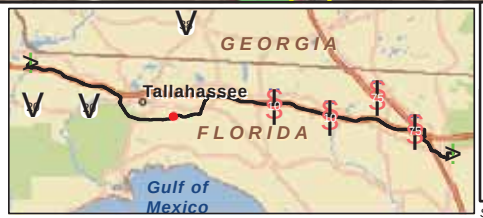
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029115
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 196 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

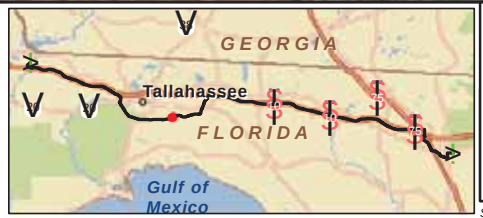
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029116
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland
- Stream
- Waterbody



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 197 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

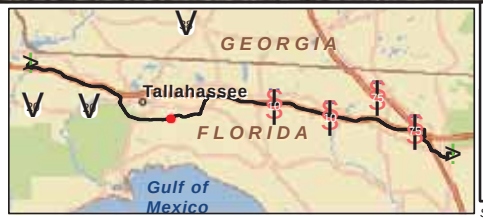
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029117
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 198 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

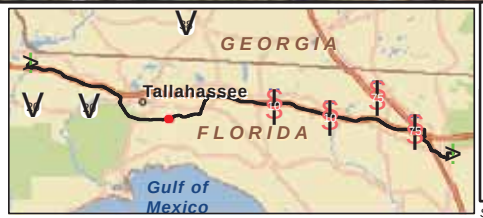
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029118
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland
- Ditch



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 199 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

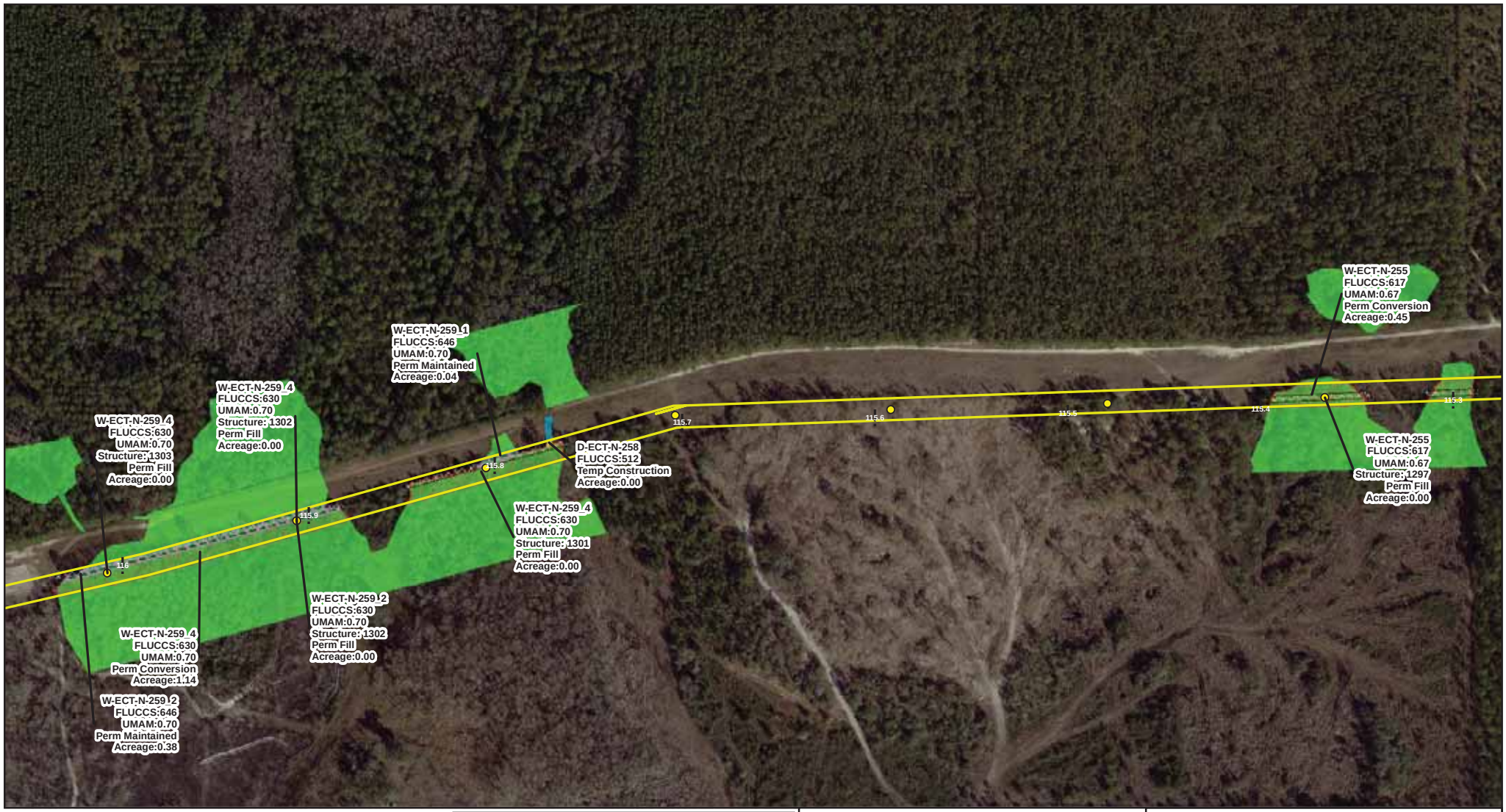
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029119
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 200 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029120
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 201 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029121
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 202 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029122
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 203 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029123
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 204 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029124
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 205 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

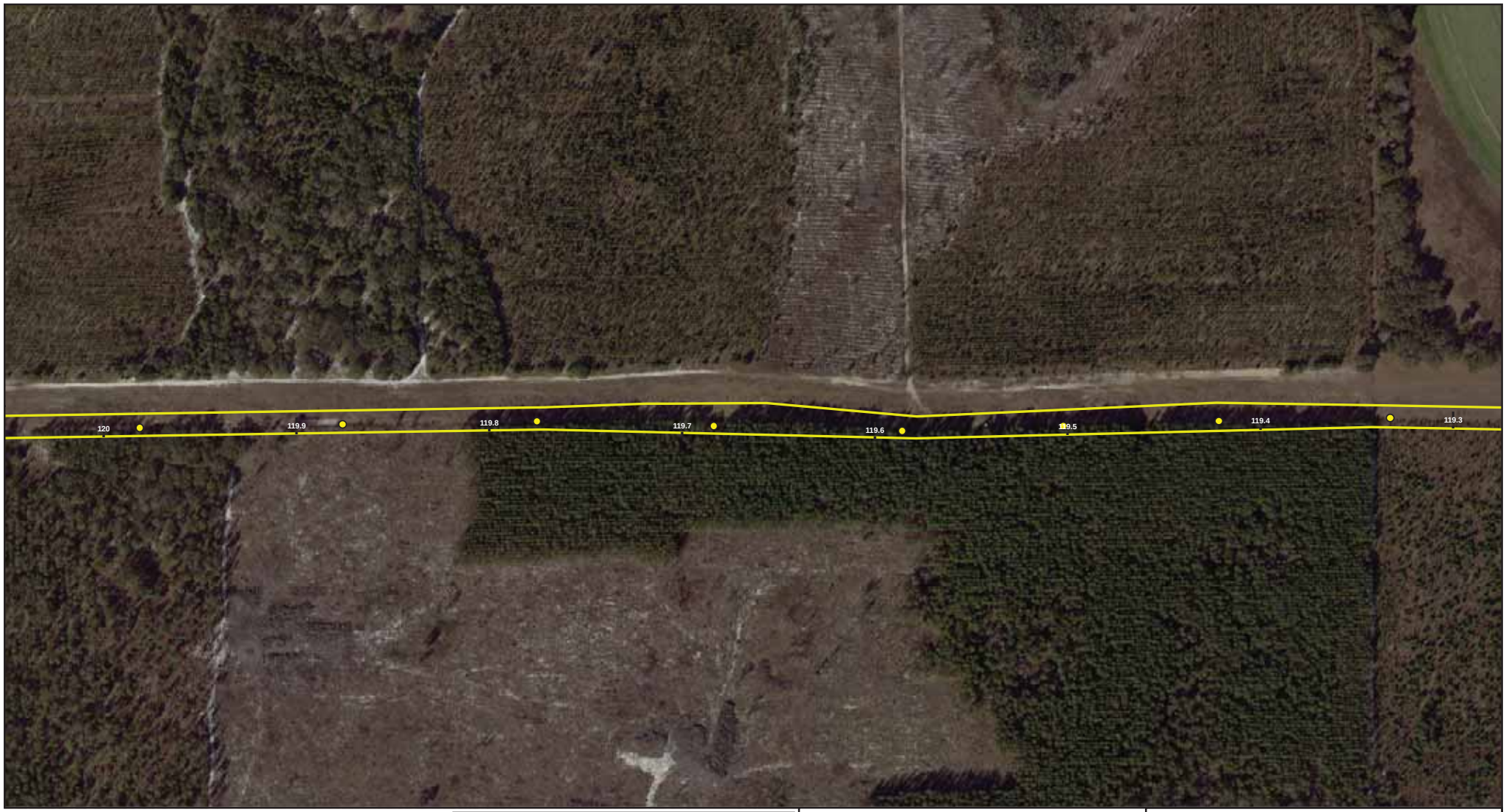
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029125
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 206 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029126
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 207 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029127
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Waterbody
- Sinkhole

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 208 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029128
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Sinkhole

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 209 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

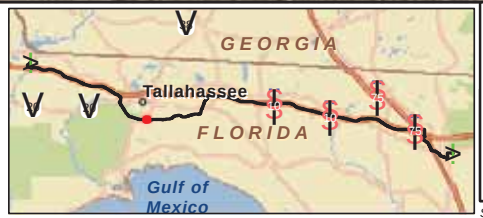
0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Wetland
- Sinkhole



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 210 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029130
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 211 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029131
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 212 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029132
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 213 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

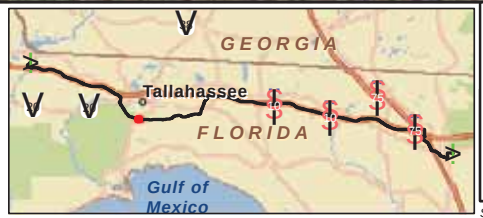
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029133
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 214 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029134
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 215 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

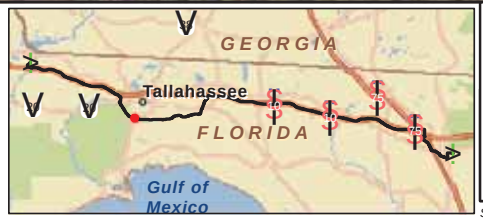
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029135
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 216 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

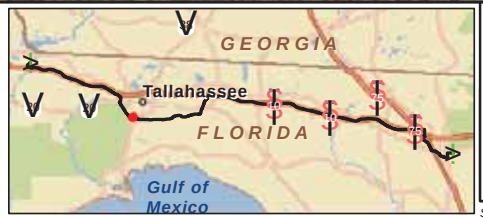
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029136
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 217 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029137
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 218 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029138
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 219 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029139
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 220 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

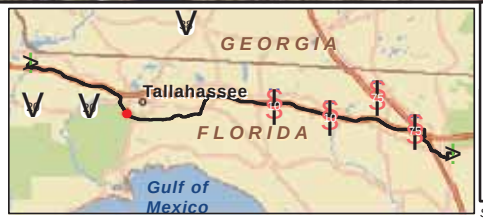
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029140
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 221 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029141
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 222 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

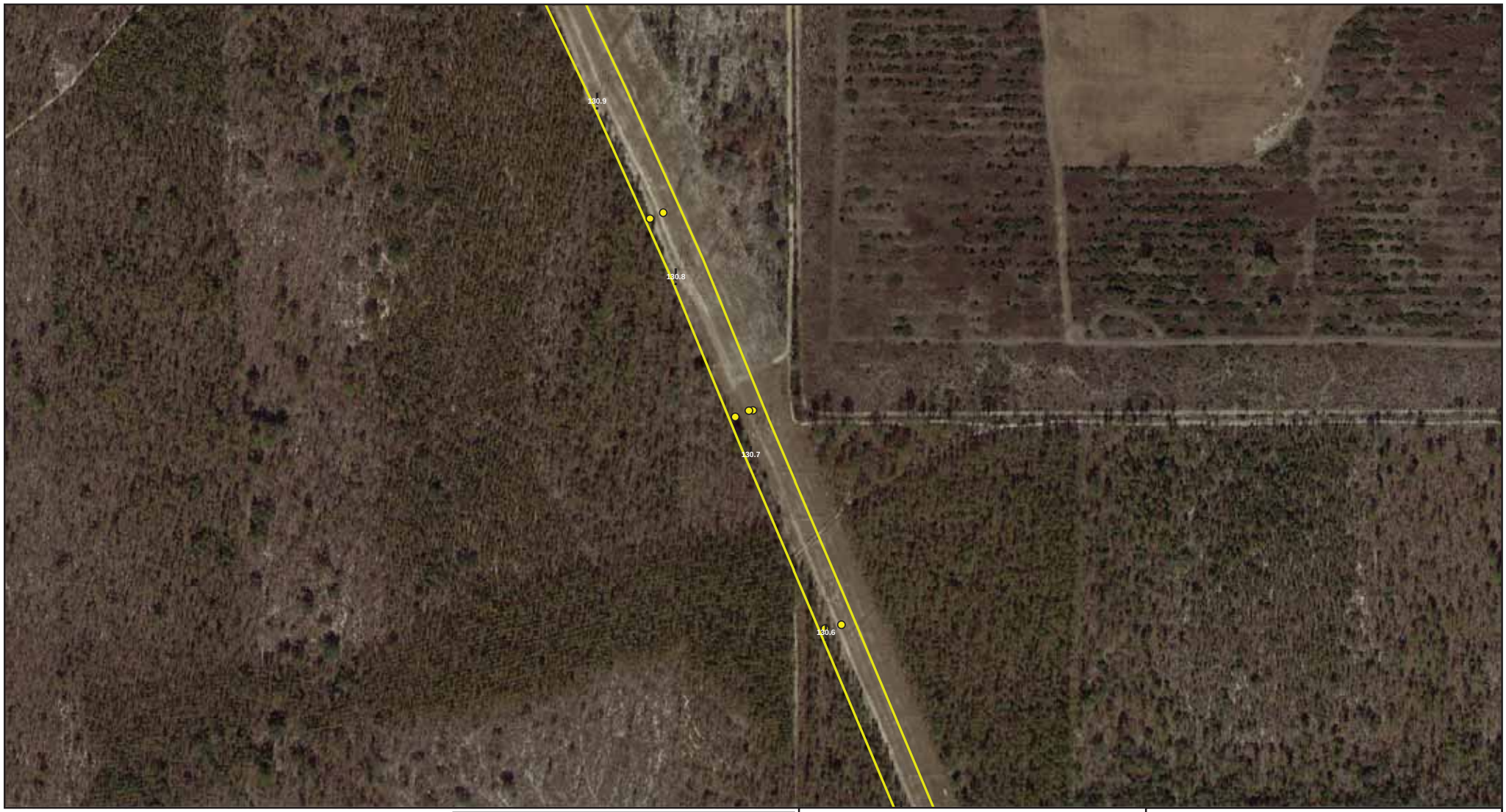
NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet



LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 223 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

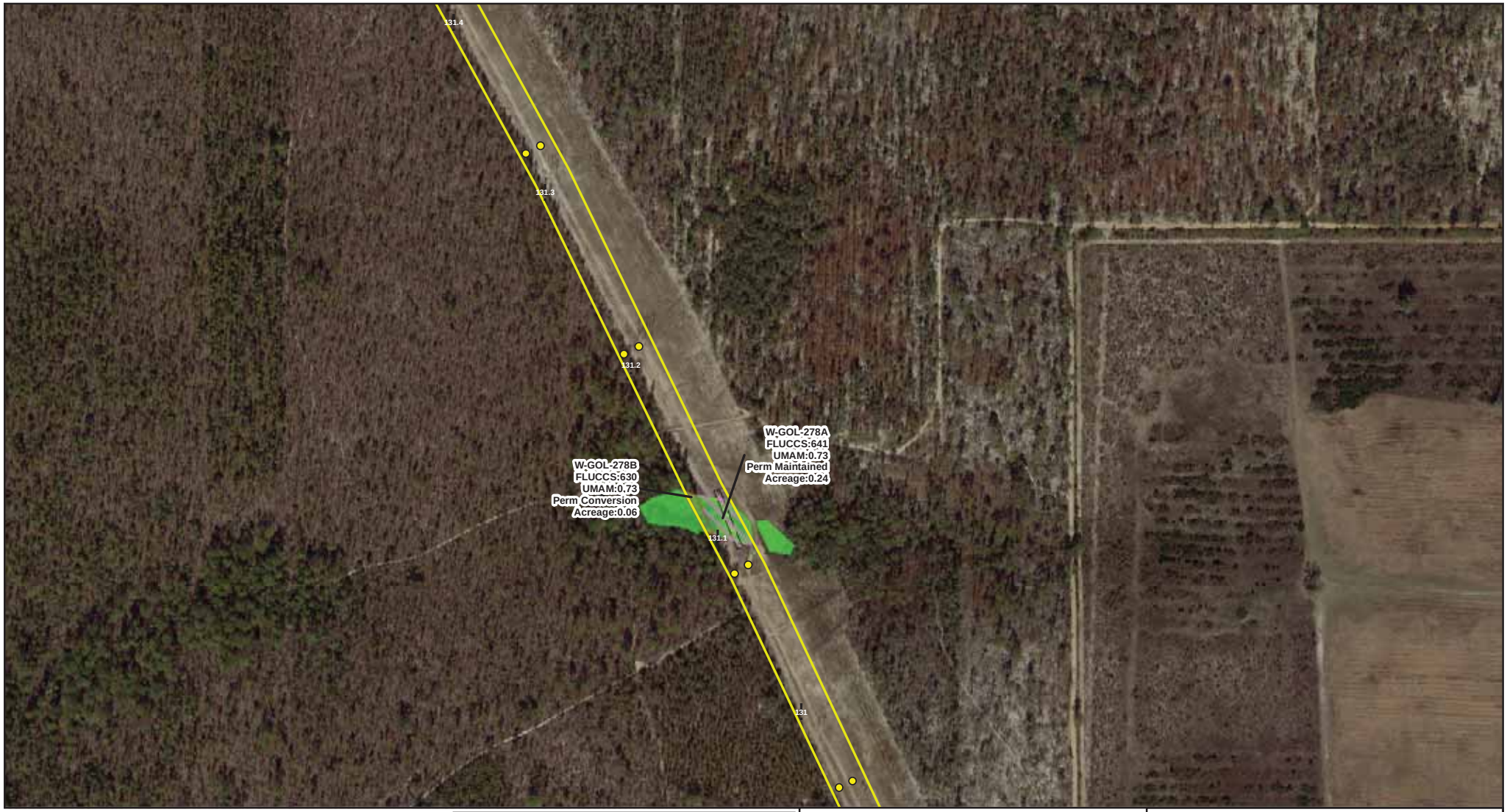
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029143
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 224 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029144
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 225 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

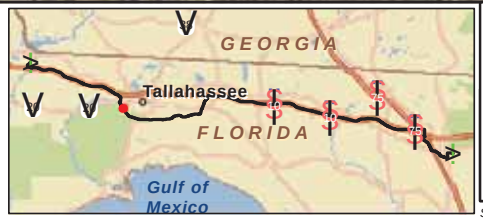
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029145
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 226 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029146
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 227 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

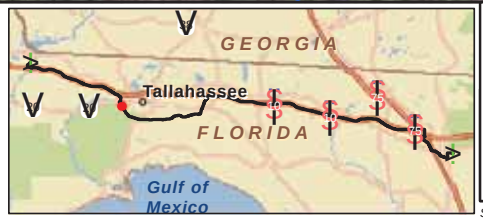
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029147
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 228 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029148
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 229 of 297 *COUNTY: LEON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*

DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029149
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 230 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029150
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 231 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029151
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 232 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

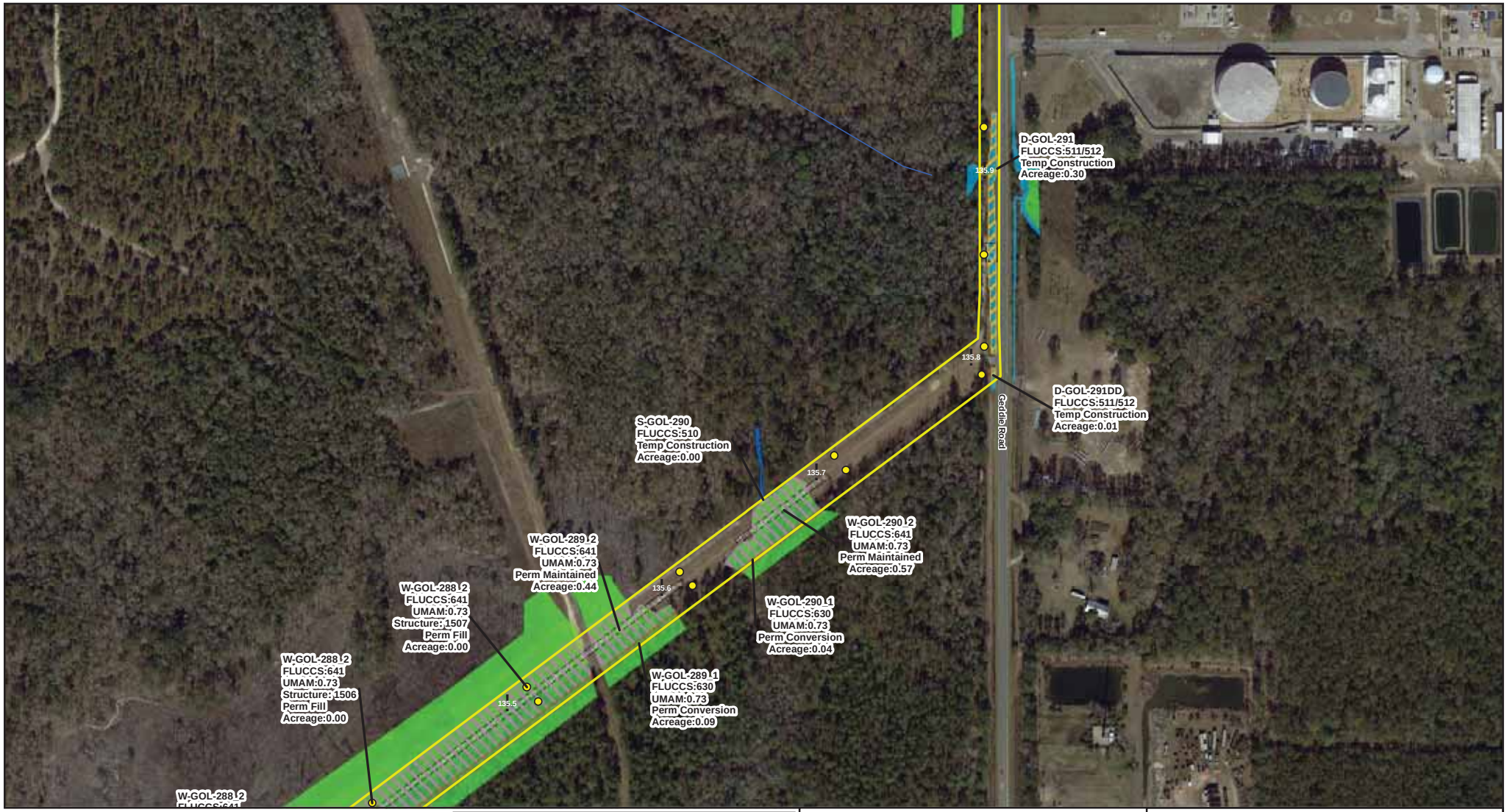
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

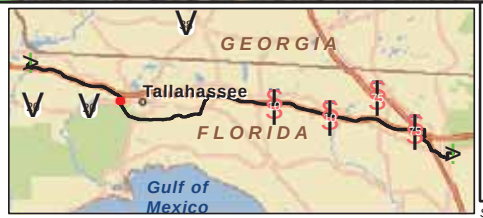
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029152
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Construction
- Temp Matting
- Wetland
- Ditch
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 233 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029153
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 234 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

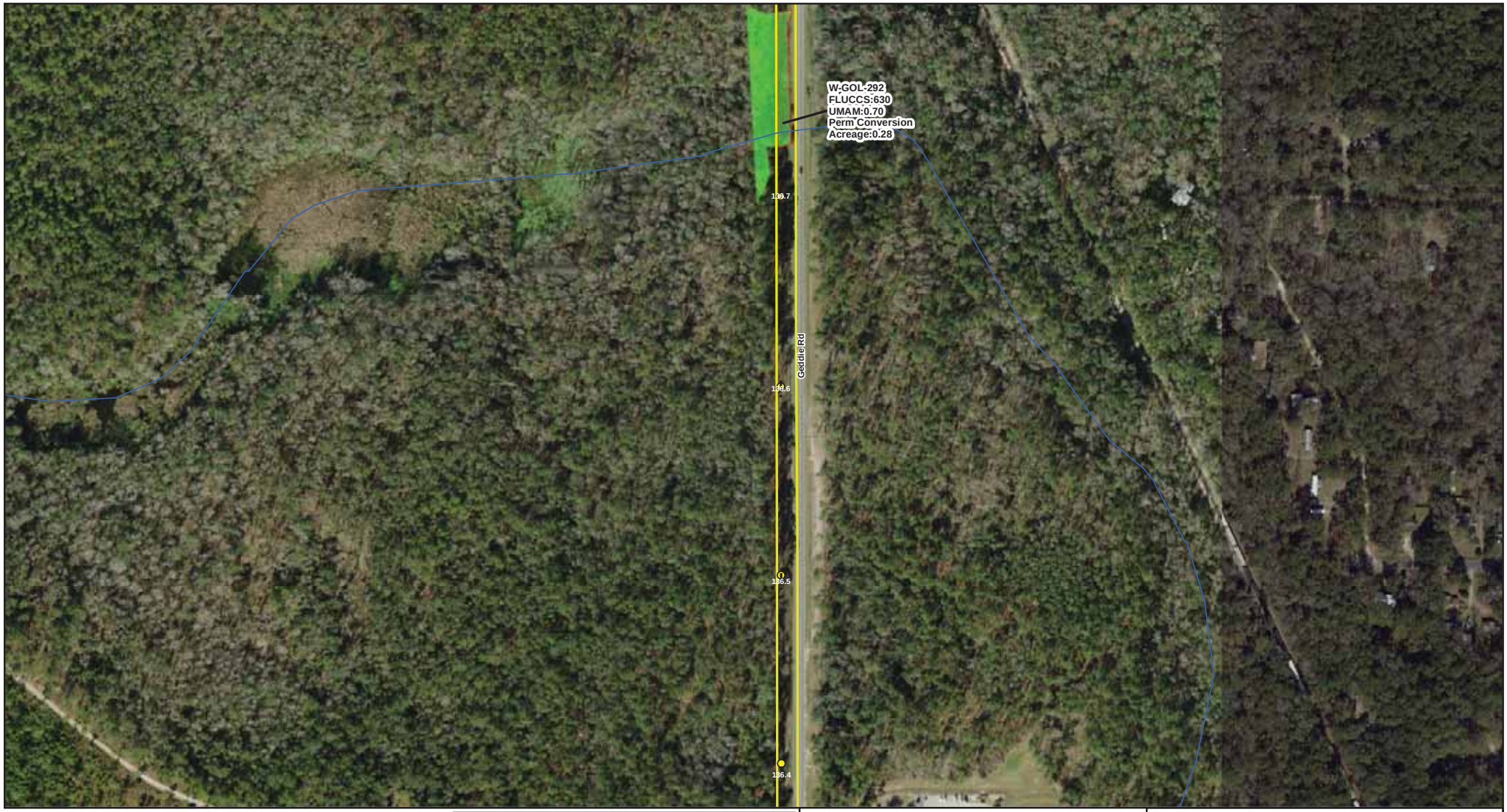
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

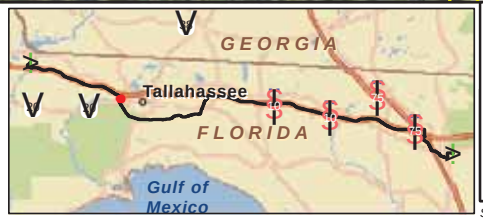
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029154
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 235 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

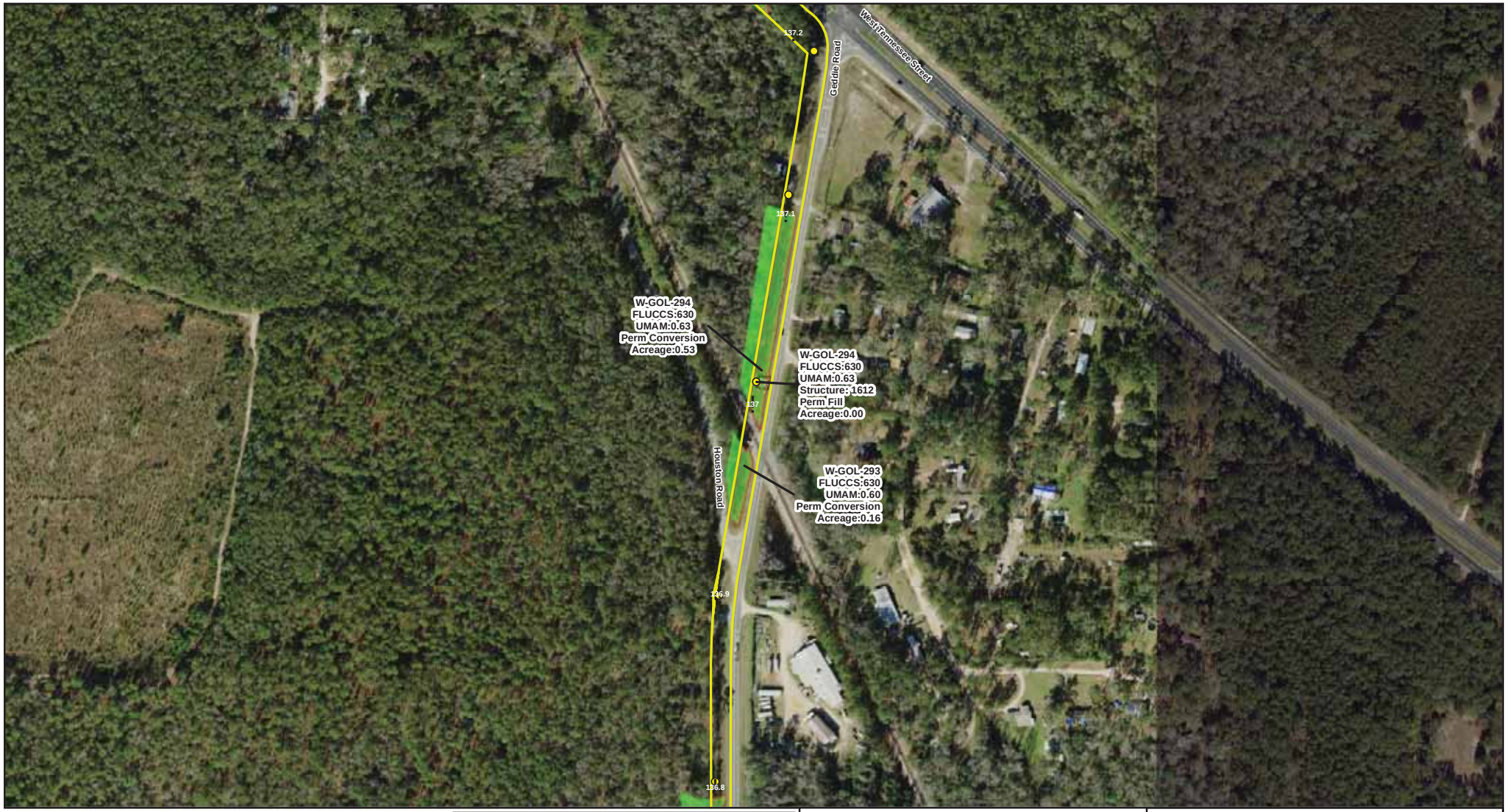
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029155
20210015-EI



LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 236 of 297 *COUNTY: LEON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_le*
DRAWN BY: mseibel *DATE: 3/18/2020 9:48:25 AM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

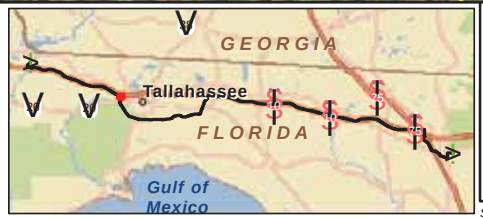
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029156
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Aerial Crossing
- Perm Conversion
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 237 of 297 | COUNTY: LEON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_le
DRAWN BY: mseibel | DATE: 3/18/2020 9:48:25 AM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

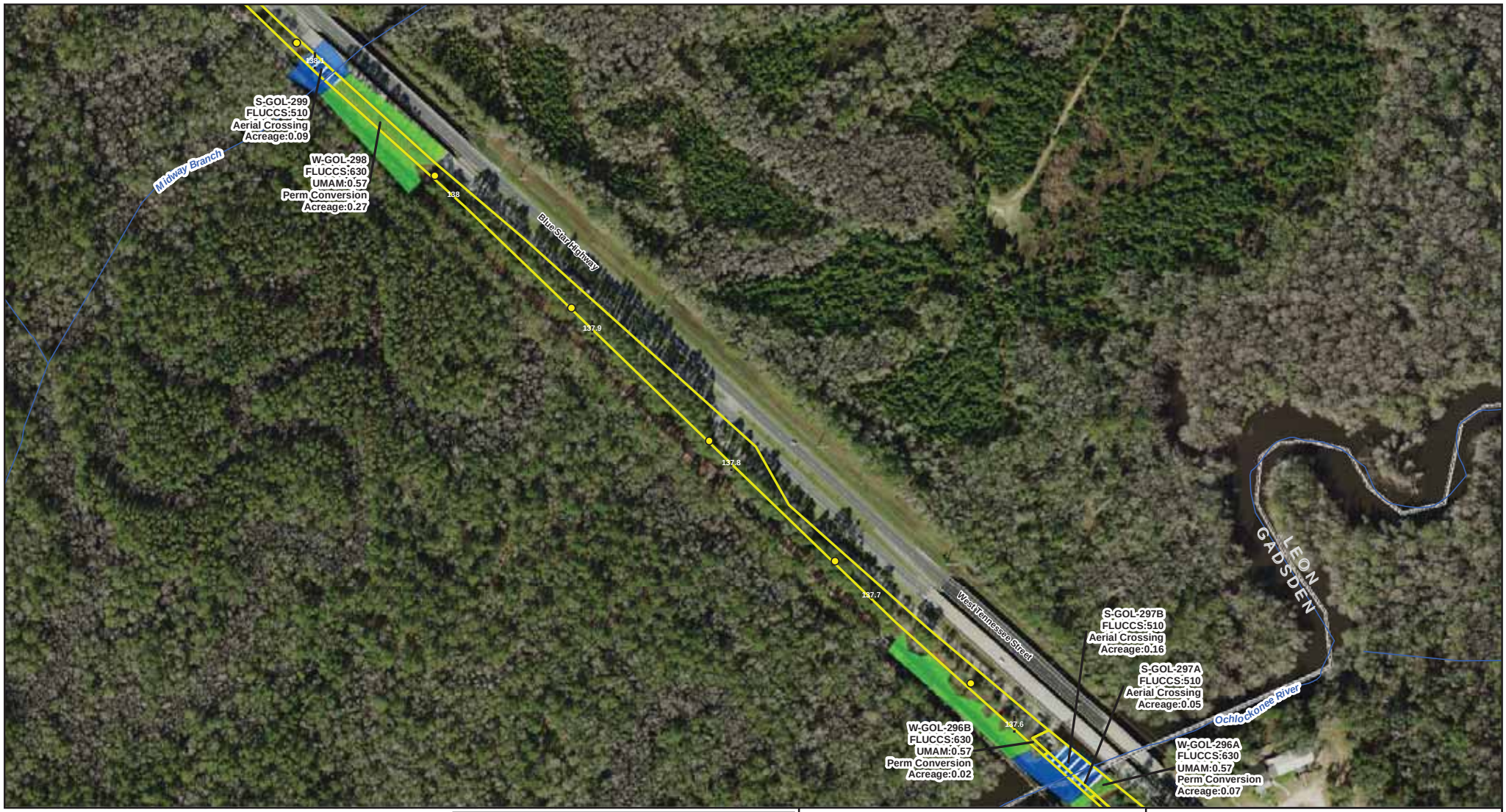
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029157
20210015-EI

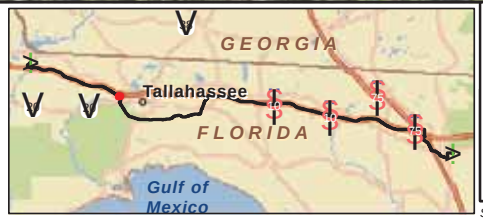
Revised Figure 5

Impacts Map
Gadsden County



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Aerial Crossing
- Perm Conversion
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 238 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

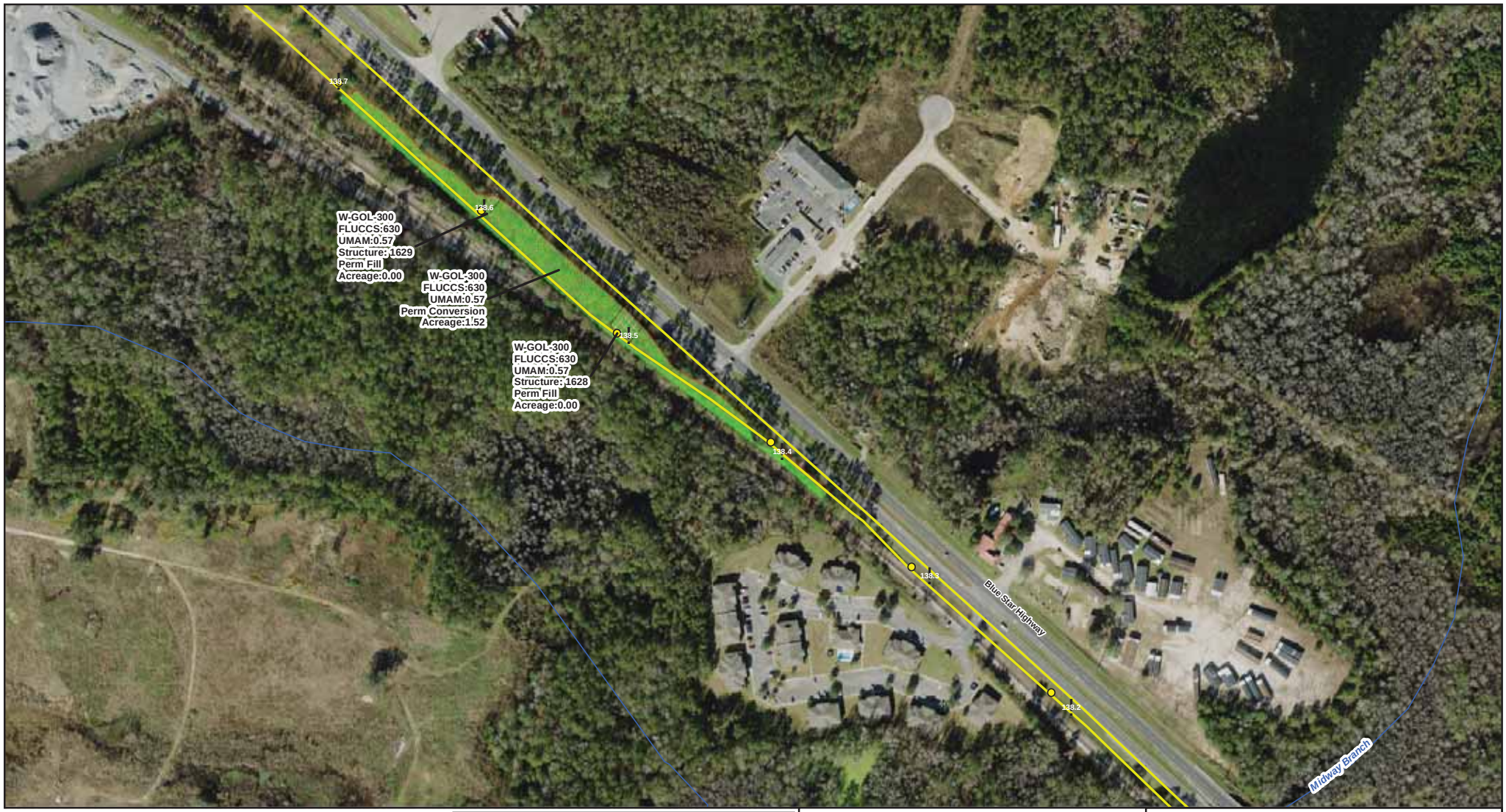
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029159
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 239 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029160
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 240 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

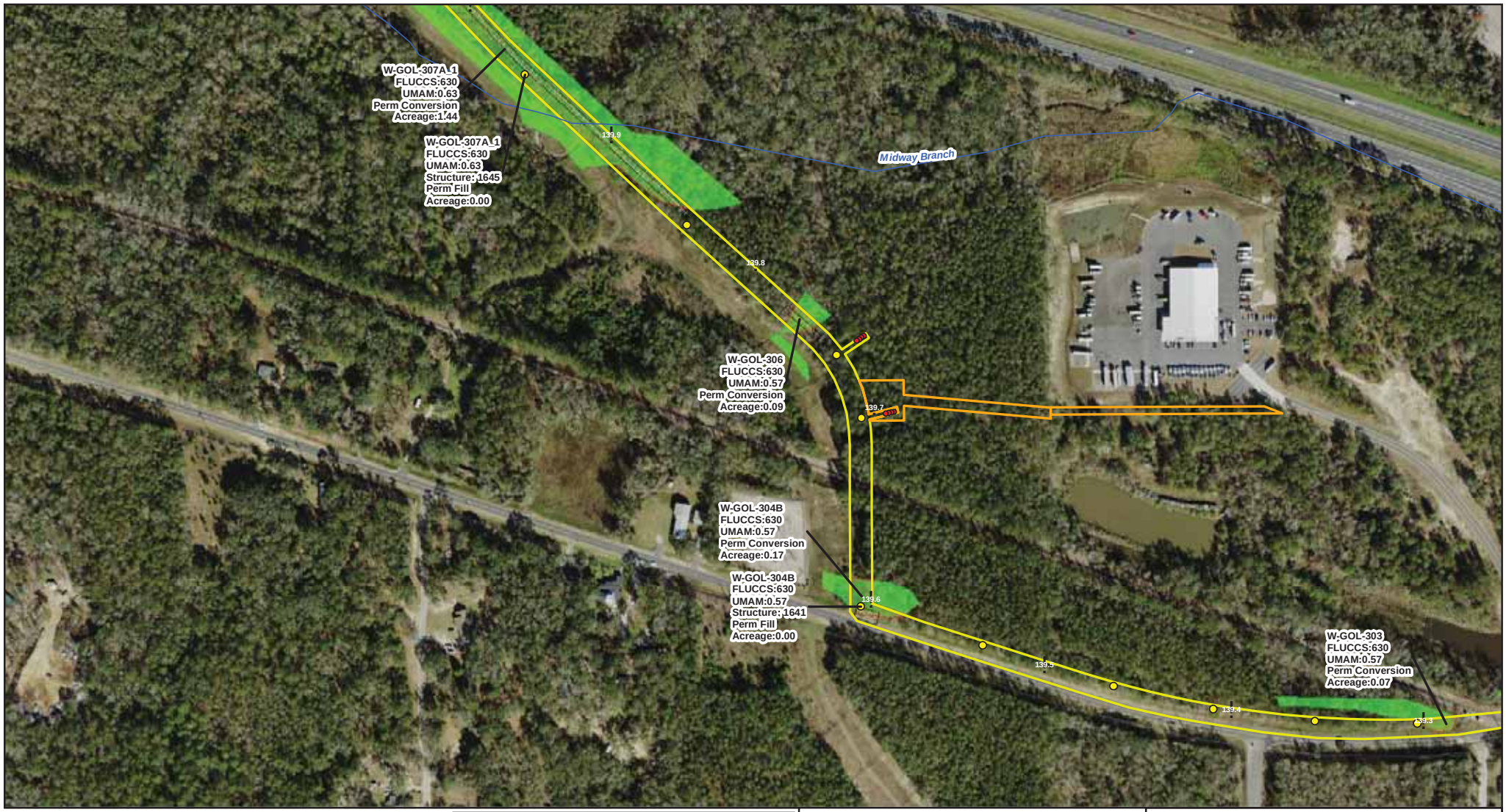
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029161
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 241 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029162
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 242 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

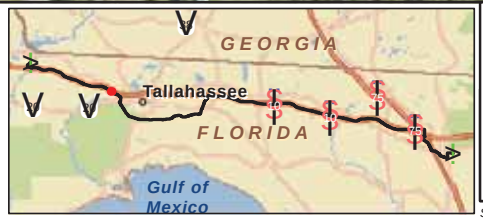
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029163
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 243 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029164
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 244 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029165
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 245 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029166
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 246 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029167
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 247 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029168
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Wetland
- Temp Matting

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 248 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

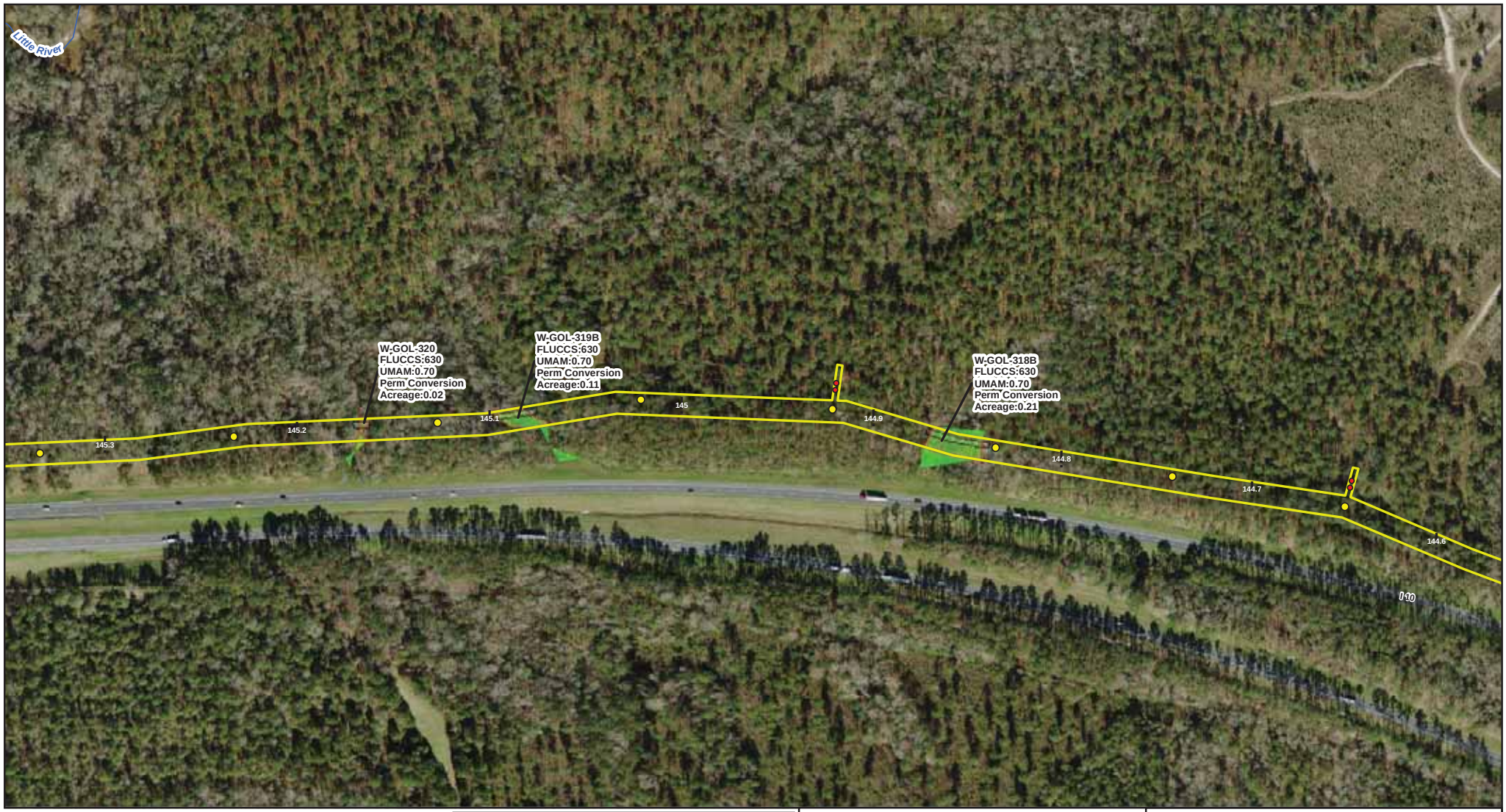
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029169
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 249 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

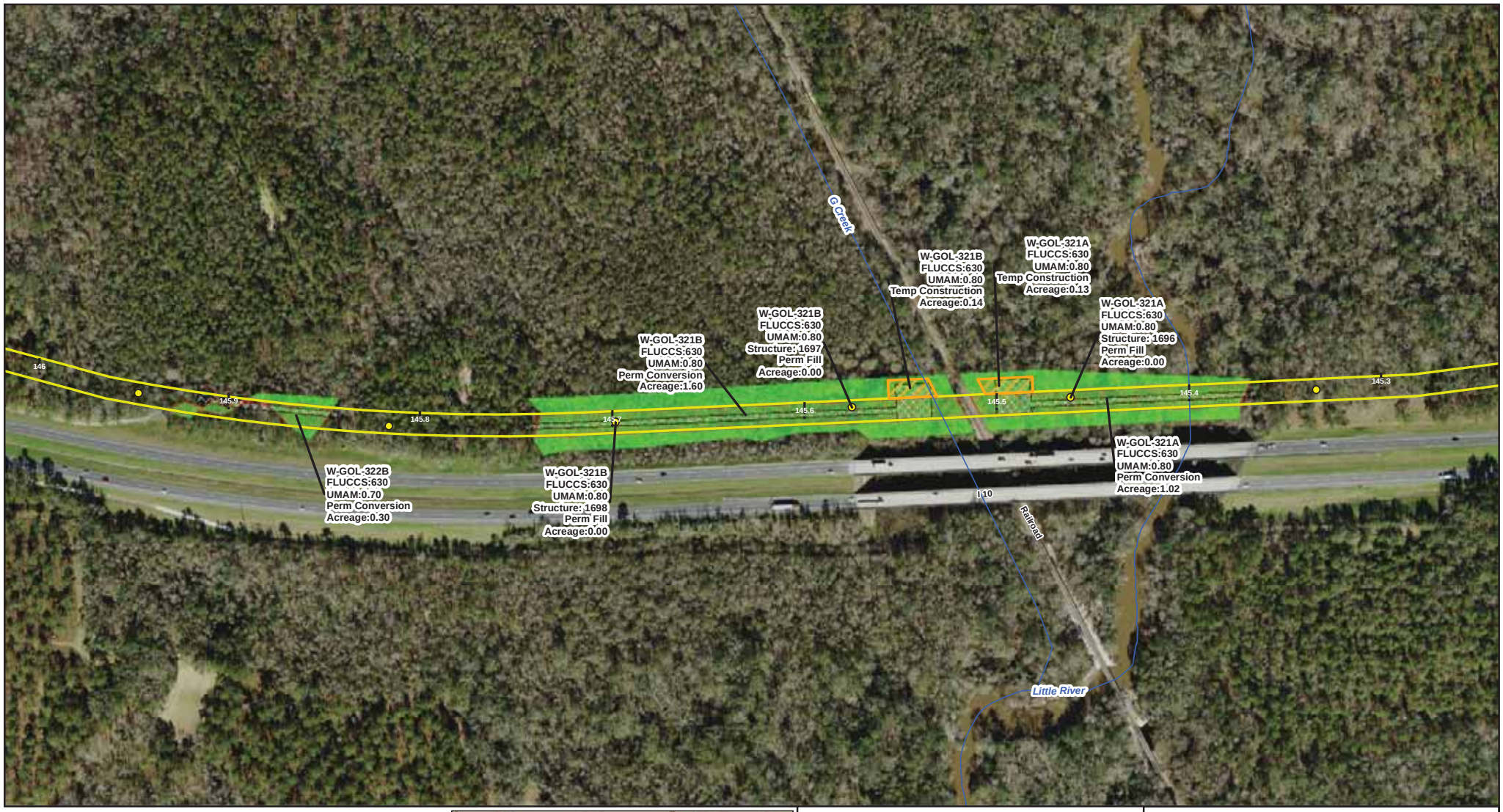
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

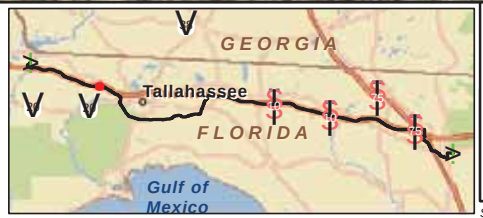
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029170
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 250 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

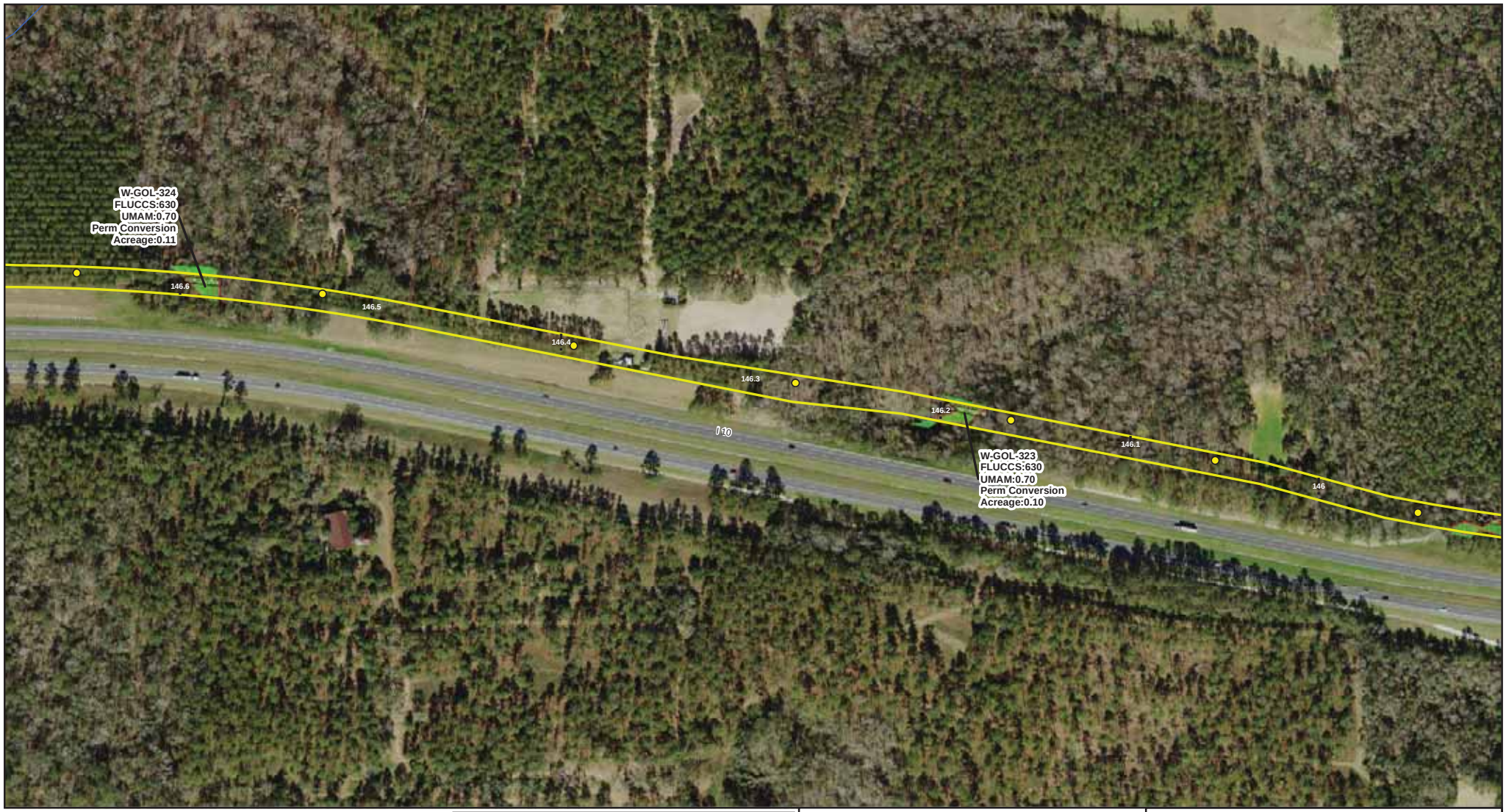
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029171
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 251 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

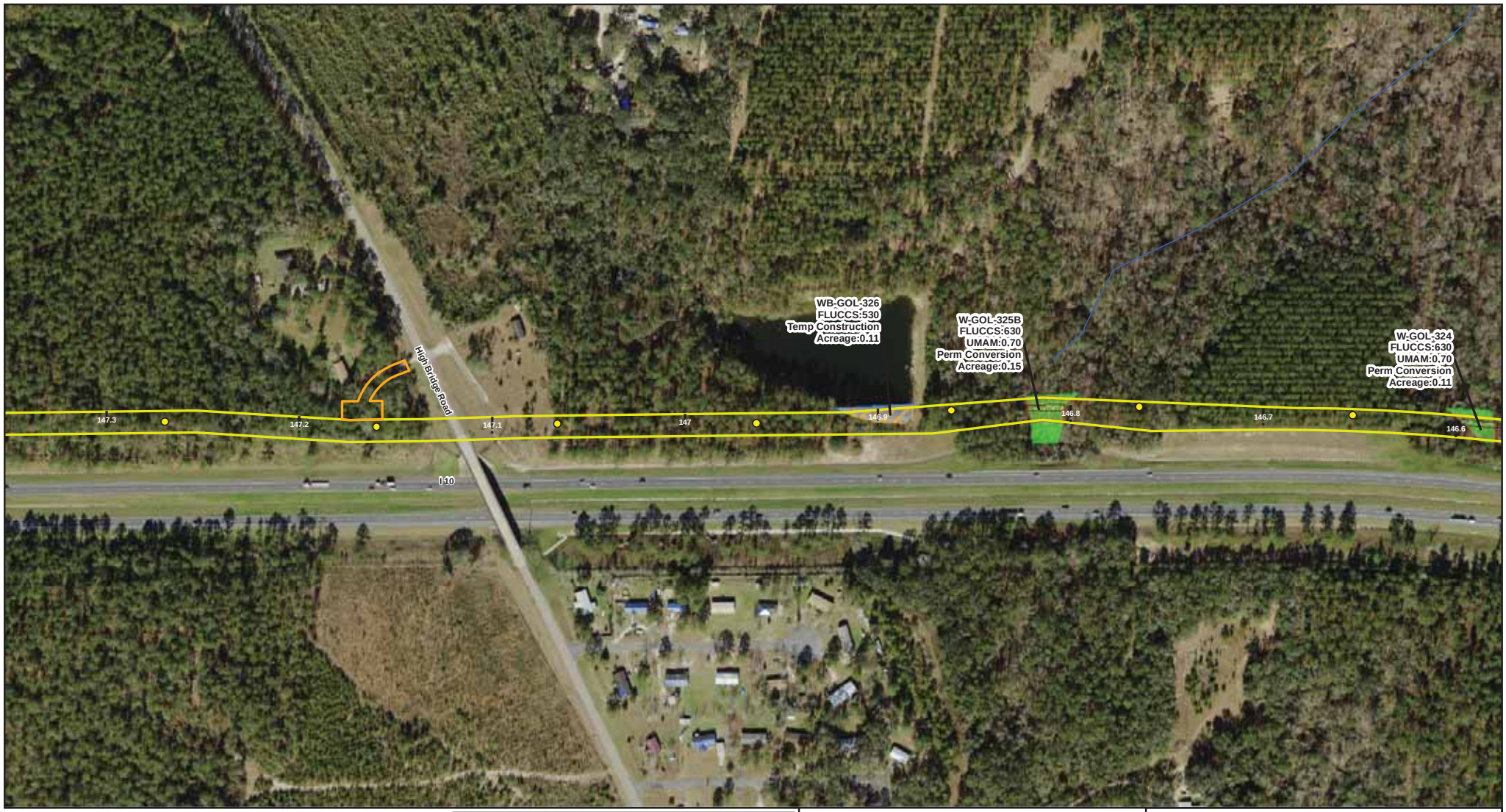
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029172
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Waterbody

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 252 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

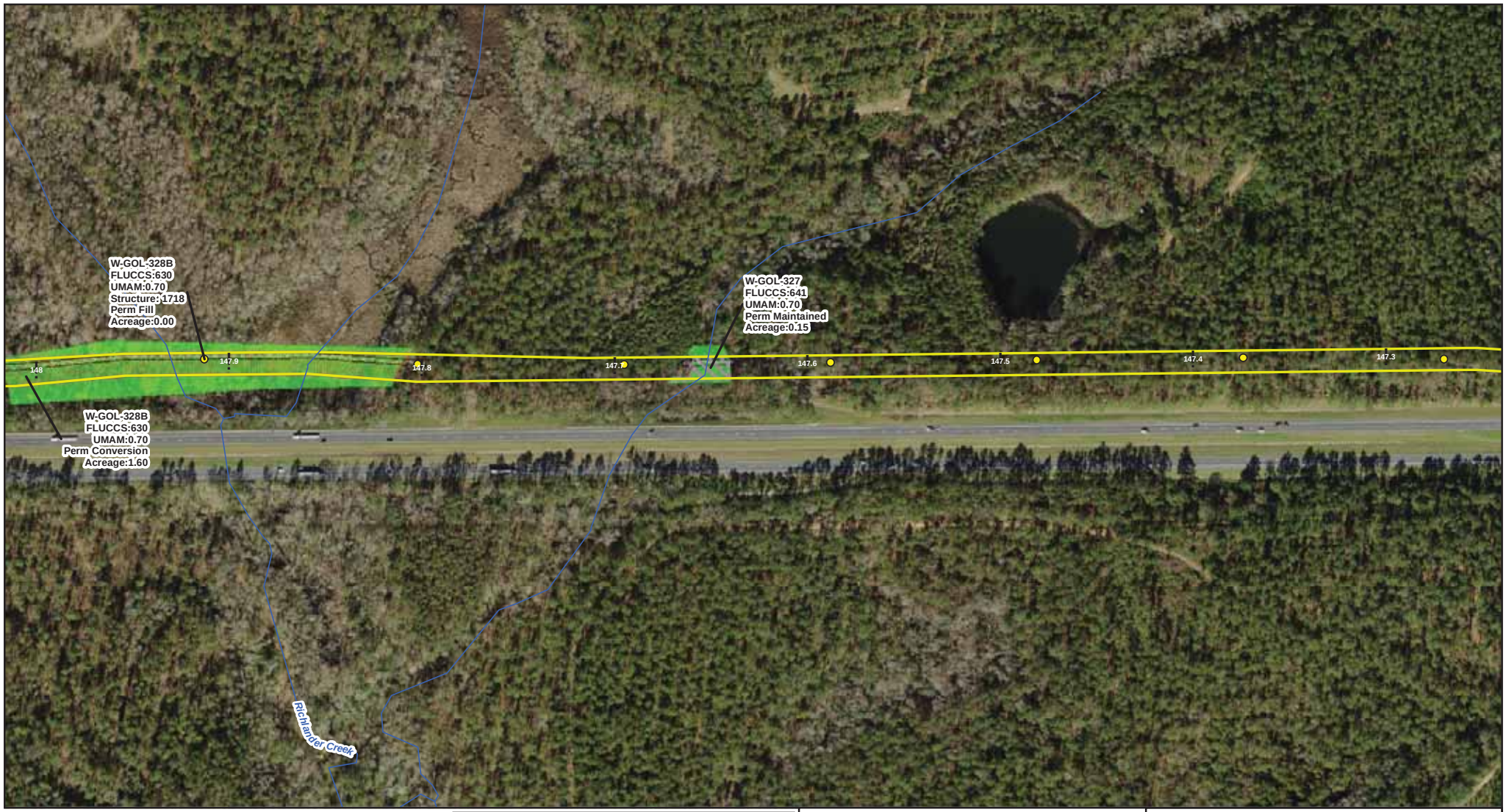
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

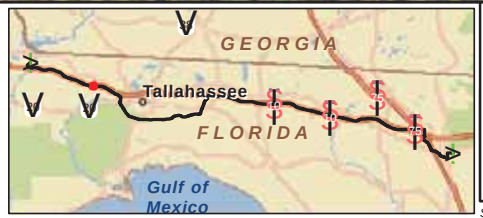
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029173
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 253 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

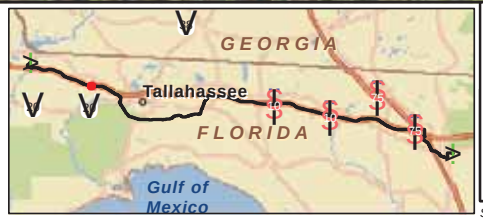
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029174
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 254 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029175
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Temp Matting
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 255 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029176
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Temp Construction
- Temp Matting
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 256 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

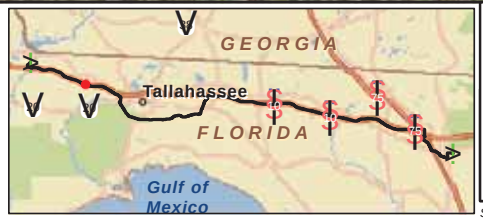
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029177
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 257 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029178
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 258 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029179
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 259 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

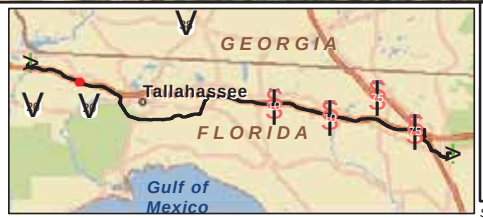
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029180
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 260 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029181
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 261 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

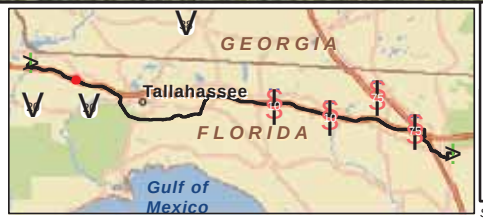
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029182
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 262 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 263 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

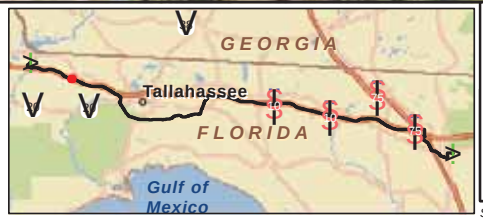
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029184
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 264 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029185
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 265 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029186
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 266 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

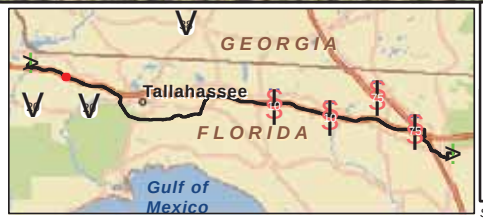
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029187
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 267 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

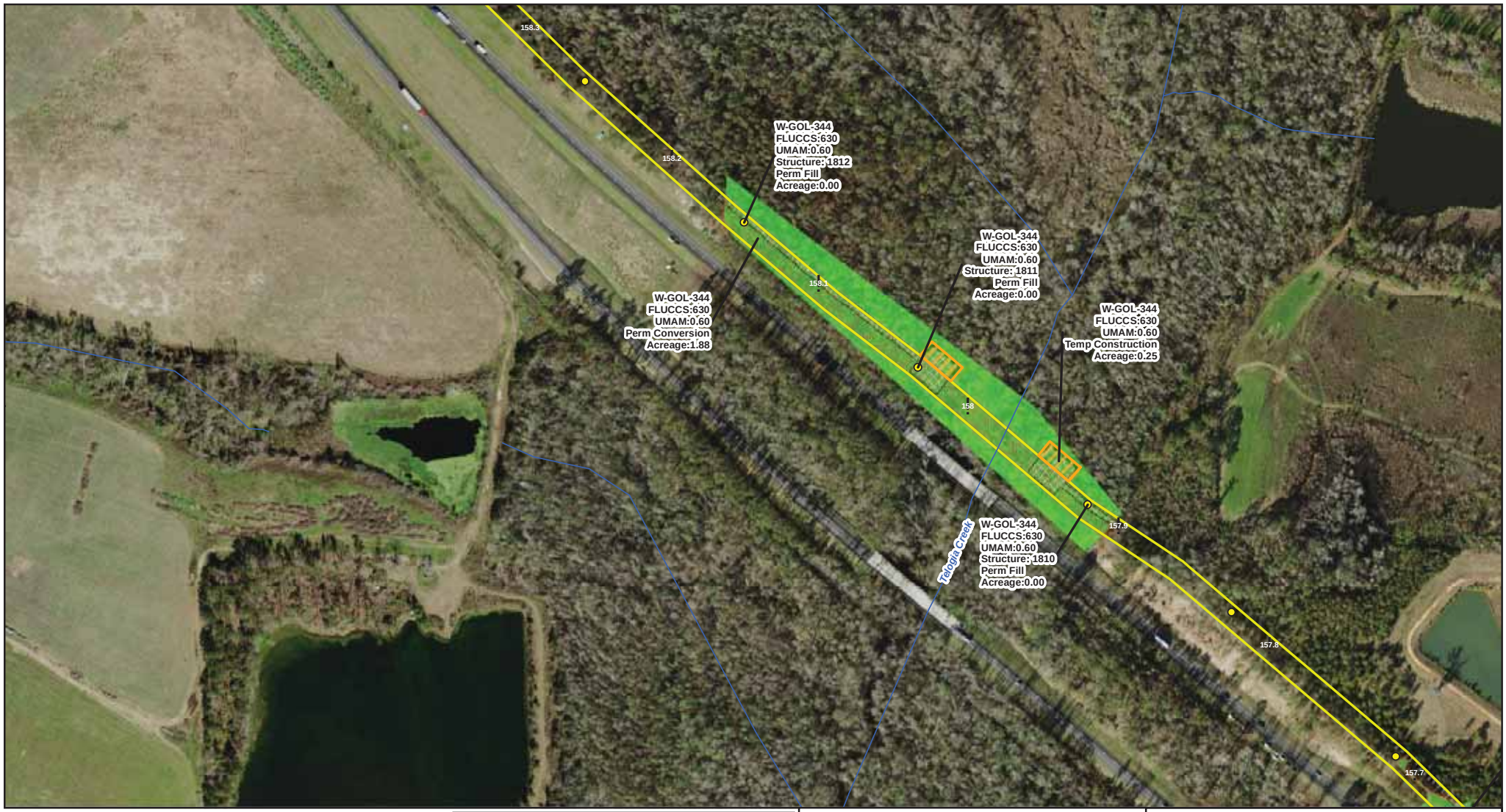
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029188
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 268 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

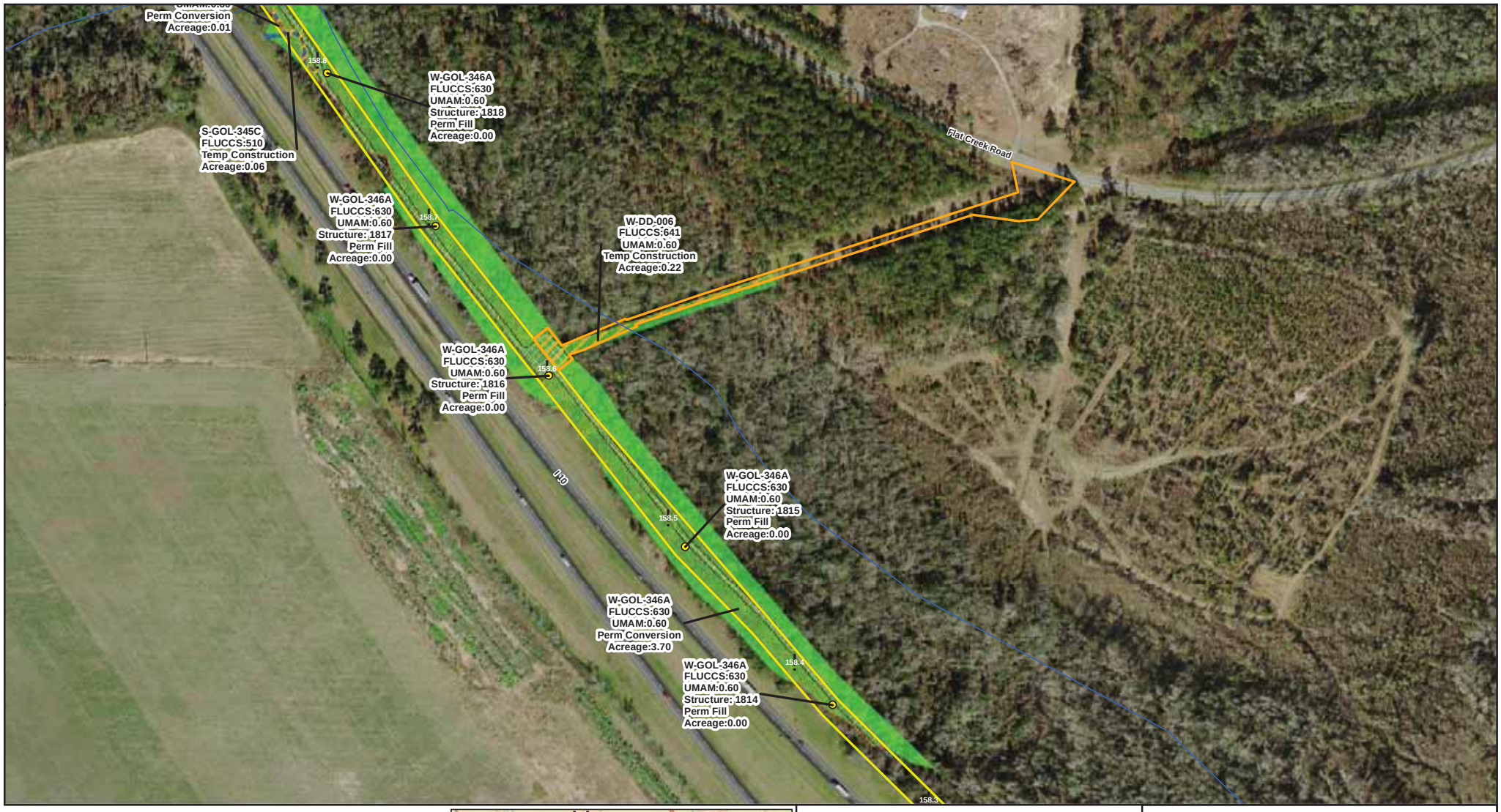
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029189
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 269 of 297 COUNTY: GADSDEN

SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ga

DRAWN BY: mseibel DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

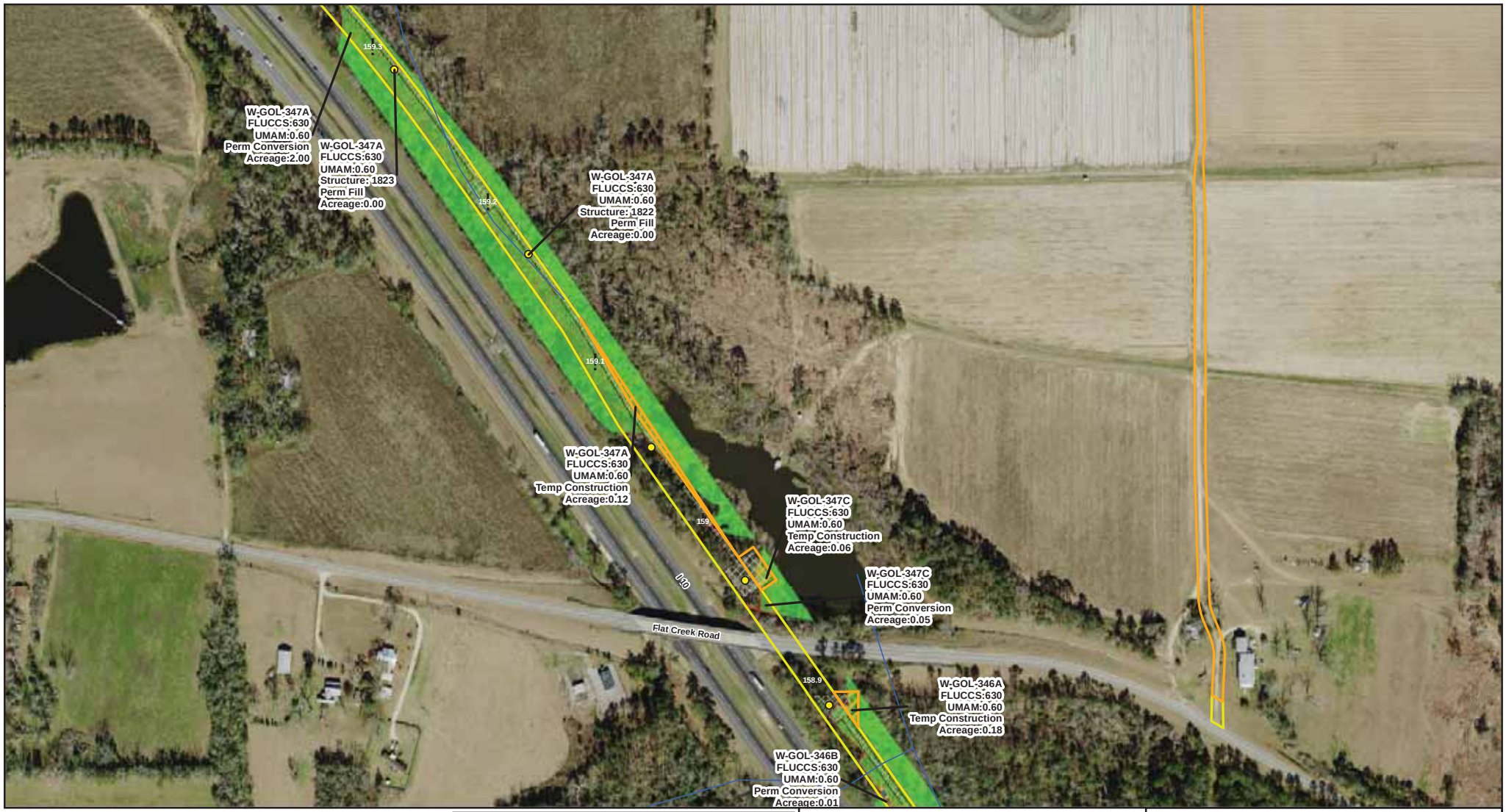
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

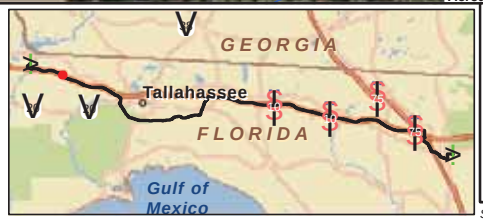
NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029190
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 270 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029191
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 271 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029192
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 272 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029193
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 273 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

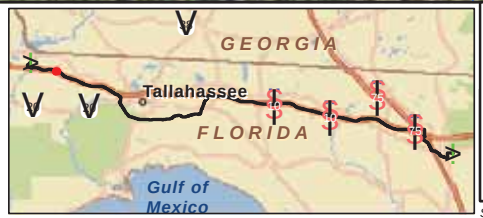
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029194
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 274 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029195
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 275 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

Stream/River

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 276 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250

Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029197
20210015-EI

LEGEND

Access Area

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 277 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 278 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029199
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 279 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

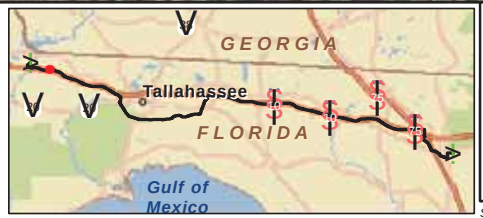
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029200
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Stream



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 280 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029201
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 281 of 297 COUNTY: GADSDEN
SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029202
20210015-EI

LEGEND

Stream/River

Staging

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 282 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

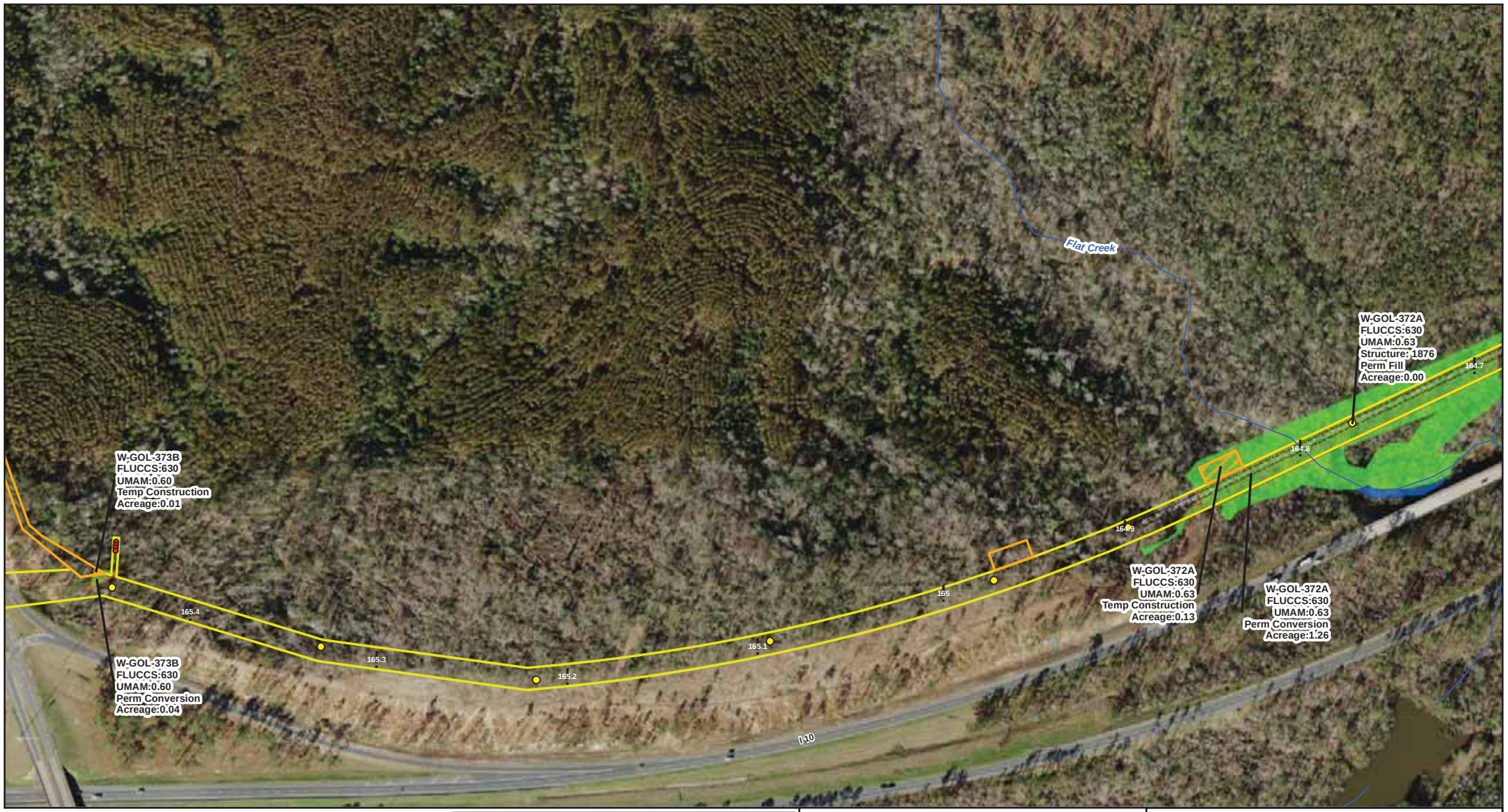
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029203
20210015-EI



LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 283 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029204
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Construction
- Temp Matting
- Wetland
- Ditch

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 284 of 297 COUNTY: GADSDEN

SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ga

DRAWN BY: mseibel DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

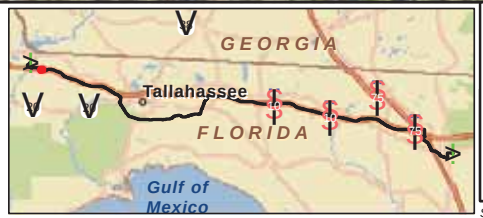
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029205
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 285 of 297 COUNTY: GADSDEN

SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ga

DRAWN BY: mseibel DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029206
20210015-EI

LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 286 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029207
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 287 of 297 *COUNTY: GADSDEN*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*

DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029208
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Perm Conversion
- Perm Fill
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 288 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029209
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 289 of 297 COUNTY: GADSDEN

SCALE: 1 in = 250 feet FILE NAME: NFRC_WetlandsJDv3_Impacts_ga

DRAWN BY: mseibel DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029210
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Stream/River
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 290 of 297 | COUNTY: GADSDEN
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ga
DRAWN BY: mseibel | DATE: 3/18/2020 3:27:14 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

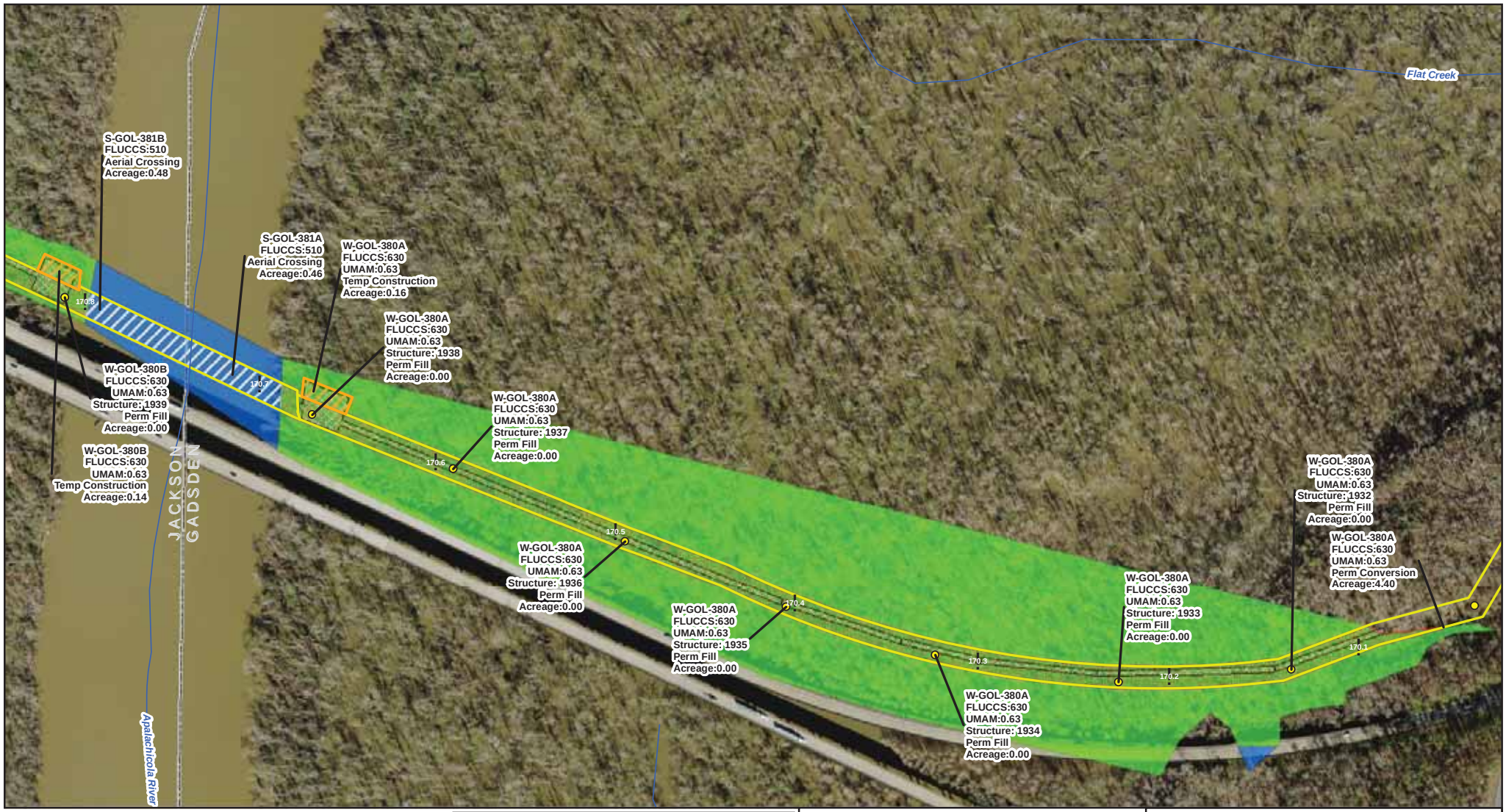
Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029211
20210015-EI



LEGEND

- Mile Post
- Structures
- Stream/River
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 291 of 297 *COUNTY: GADSDEN*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ga*
DRAWN BY: mseibel *DATE: 3/18/2020 3:27:14 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

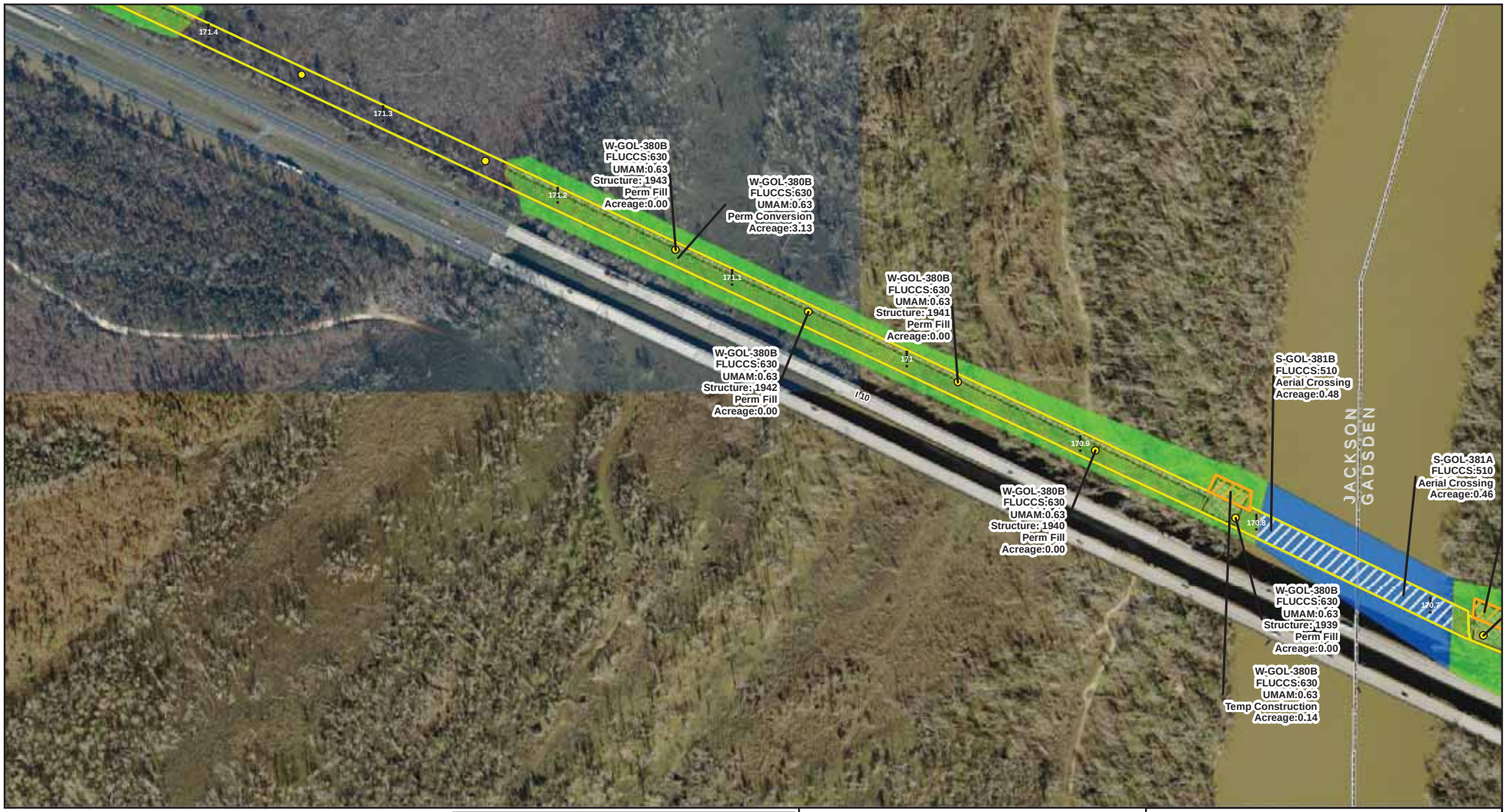
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029212
20210015-EI

Revised Figure 5

Impacts Map
Jackson County



LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Aerial Crossing
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland
- Stream

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 292 of 297 | COUNTY: JACKSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ja
DRAWN BY: mseibel | DATE: 3/18/2020 2:05:29 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

LEGEND

- Mile Post
- Structures
- Project Boundary
- Access Area
- Perm Conversion
- Perm Fill
- Temp Construction
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 293 of 297 | COUNTY: JACKSON
SCALE: 1 in = 250 feet | FILE NAME: NFRC_WetlandsJDv3_Impacts_ja
DRAWN BY: mseibel | DATE: 3/18/2020 2:05:29 PM

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

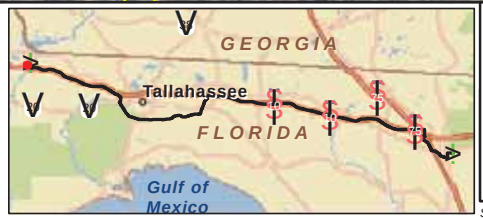
Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029215
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Conversion
- Perm Fill
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 294 of 297 *COUNTY: JACKSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ja*

DRAWN BY: mseibel *DATE: 3/18/2020 2:05:29 PM*

NOTE: Acreage values of 0.00 are less than 0.01 acre. Refer to TABLE 8.

NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029216
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

NORTH FLORIDA RESILIENCY CONNECTION

SHEET 295 of 297 *COUNTY: JACKSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ja*
DRAWN BY: mseibel *DATE: 3/18/2020 2:05:29 PM*

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Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

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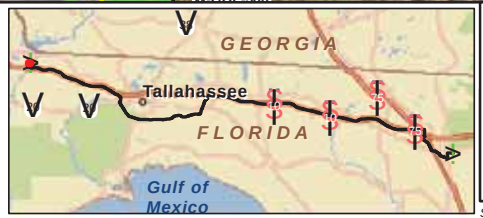
FPL 029217
20210015-EI

LEGEND

- Mile Post
- Structures
- Project Boundary
- Perm Maintained
- Temp Matting
- Wetland



REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 296 of 297 *COUNTY: JACKSON*

SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ja*

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Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029218
20210015-EI

LEGEND

- Mile Post
- Structures
- Guy Anchor
- Project Boundary
- Perm Maintained
- Temp Matting
- Wetland

REVISED FIGURE 5
WETLAND IMPACTS MAP

SHEET 297 of 297 *COUNTY: JACKSON*
SCALE: 1 in = 250 feet *FILE NAME: NFRC_WetlandsJDv3_Impacts_ja*
DRAWN BY: mseibel *DATE: 3/18/2020 2:05:29 PM*

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NORTH FLORIDA RESILIENCY CONNECTION

Gulf Power

0 125 250
Feet

Sources: FDOT, 2018; ECT, 2019, E&E, 2019; Golder, 2019; ESRI, 2018

NAD 1983 StatePlane Florida North FIPS 0903 Feet

FPL 029219
20210015-EI

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800 955-8770 (V)

MyFWC.com

January 3, 2020

Kimberly Pearce, Regulatory Scientist
Florida Department of Environmental Protection
Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, FL 32256-7590
Kimberly.Pearce@dep.state.fl.us

RE: Gulf Power North Florida Resiliency Connection, Environmental Resource Permit Application (12-0378587-001-EI), Columbia, Suwannee, Madison, Jefferson, Leon, Gadsden, and Jackson Counties

Dear Ms. Pearce:

Florida Fish and Wildlife Conservation Commission (FWC) staff reviewed the above-referenced permit application and provides the following comments and recommendations as technical assistance during your review under Chapter 373, Florida Statutes (F.S.), and in accordance with FWC's authorities under Chapter 379, F.S.

Project Description

The applicant, Gulf Power Company (GPC - aka NextEra Energy), proposes to construct a 176-mile, 161-kilovolt (kV) aerial transmission line that will traverse seven counties and 1803.78 acres. The proposed transmission line will extend from the existing GPC Sinai Cemetery substation located on Hammond Road in Sneads, to Florida Power and Light's (FPL) existing Raven substation which is located on Southeast Pounds Hammock Road in Lake City. A fiber-optic, telecommunication repeater station is also proposed to be constructed within a 1,518 sq. ft. fenced-in area located at the northwest corner of the intersection of I-10 and Southwest Overstreet Avenue (CR 150) in Madison County. Landcover communities within a 0.25 mile buffer of the route's proposed centerline include coniferous plantations (14,000 acres), agriculture/cropland/pasture (6,120 acres), mixed hardwood-coniferous (5,731 acres), rural open lands (4,477 acres), freshwater forested wetlands (4,964.30 acres), upland hardwood forest (1,836 acres), sandhill (1,788 acres), high pine and scrub (1,771 acres), prairies and bogs (1,551 acres), shrub and brushland (1,036 acres), cypress (692 acres), freshwater marsh (805 acres), mesic flatwoods (649 acres), wet flatwoods (360 acres), basin swamp (299 acres), orchards/vineyards (266 acres), dome swamp (232 acres), natural water bodies (187 acres), and freshwater forested wetlands (170 acres). According to the ERP application, the route of the new transmission line will be co-located as much as possible with existing roads and utility rights-of-way (ROW). The proposed ROW is estimated to be 15 feet wide along existing roadways and 60 feet wide through natural areas. For the purpose of construction and maintenance, both temporary and permanent easements will be required for the eight temporary work areas, staging areas, and materials storage.

The transmission line construction will require approximately 2,000 transmission poles, three to four feet in diameter and up to 110 feet above ground height to be spaced 400-600 feet apart. Transmission line will be strung aerially across thirteen rivers with shore to shore distances from 20-700 feet. Five rivers including the Suwannee, Aucilla, Ochlocknee, Little River, and Apalachicola have shore-to-shore spans of >100 feet. The applicant is developing a Wetland and Waterbody Access Construction Criteria Manual for contractors to specify which crossing methods will be used under which conditions and how to minimize water quality impacts.

The ERP package indicates that permanent access roads will not be constructed, and temporary construction matting will be used where appropriate to minimize habitat disturbance. The

applicant proposes to restore ground contours to preconstruction conditions when construction is complete. Proposed compensatory mitigation for wetland impacts will include onsite restoration and purchase of credits from various mitigation banks. As a result of the construction, approximately 184 acres of forested wetlands will be converted to herbaceous wetlands inside the proposed ROW.

Potentially Affected Resources

An informal wildlife assessment of the ROW corridor and additional work space areas was performed between October 2018 and March 2019 and a report organized by county was submitted in support of the ERP application. The applicant's consultants, Ecology and Environment, Golder Associates, and Environmental Consulting and Technology, Inc. (ECT), completed surveys where access was granted. According to the report, red-cockaded woodpeckers (*Picoides borealis*, Federally Endangered [FE]) and a number of potentially occupied gopher tortoise burrows (*Gopherus polyphemus*, State Threatened [ST]) were observed along the route.

FWC staff conducted a geographic information system (GIS) analysis of the project area. Our analysis confirmed the information reported in the wildlife assessment and also found that the project area is located near, within, or adjacent to:

- U.S. Fish and Wildlife Service (USFWS) Critical Habitat and Consultation Area for:
  - Red-cockaded woodpecker – Columbia and Leon counties
  - Gulf sturgeon (*Acipenser oxyrinchus desotoi*, Federally Threatened [FT]) Units 6 and 7, Suwannee River System
  - Fat threeridge (*Amblema neislerii*, FT) Apalachicola River only
  - Purple bankclimber (*Elliptoideus sloatianus*, FT – Apalachicola and upper Ochlockonee Rivers) Leon, Gadsden, and Jackson counties
  - Shinyrayed pocketbook, (*Lampsilis subangulata*, FT – upper Ochlockonee River) Leon and Jackson counties
  - Ochlocknee moccasinshell (*Medionidus simpsonianus*, FT – upper Ochlockonee River) Leon County
  - Oval pigtoe (*Pleurobema pyriforme*, FT – Apalachicola and upper Ochlockonee River) Leon, Gadsden, and Jackson counties

- One or more wood stork (*Mycteria americana*, FT) nesting colony core foraging areas (CFA). The CFA constitutes a 13.0-mile radius around the nesting colony (Gadsden, Leon, Jefferson, Madison, Suwannee, and Columbia counties)

- Potential habitat for federally and state-listed species:
  - Eastern indigo snake – all counties
  - Suwannee moccasinshell (*Medionidus walkeri*, FT) Madison and Suwannee counties
  - Florida pine snake (*Pituophis melanoleucus mugitus*, ST) all counties
  - Southeastern American kestrel (*Falco sparverius paulus*, ST) Columbia, Suwannee, and Madison counties
  - Little blue heron (*Egretta caerulea*, ST) all counties
  - Roseate spoonbill (*Platalea ajaja*, ST)
  - Tricolored heron (*Egretta tricolor*, ST)
  - Florida sandhill crane (*Antigone canadensis pratensis*, ST) Columbia, Suwannee, Madison, Jefferson, Leon, Gadsden, and Jackson counties
  - Barbour's map turtle (*Graptemys barbouri*, ST) Leon, Gadsden, and Jackson counties

  - Suwannee alligator snapping turtle (*Macrochelys suwanniensis*, ST) Madison, Jefferson, and Suwannee counties
  - West Indian manatee/Florida manatee (*Trichechus manatus*, FT) Madison County

- Bald eagle (*Haliaeetus leucocephalus*) Nest MP 126.8 (Leon County)
  - ID LN009 (MP 126.7-126.8)

- Potential habitat for the Florida black bear (*Ursus americanus floridanus* - East Panhandle and North Bear Management Units)

- State-listed wading bird rookeries

- Existing conservation lands
  - Torreya State Park
  - Thompson/Gray Conservation Easement
  - Joe Budd Wildlife Management Area
  - Lake Talquin State Forest
  - Plank Road State Forest
  - Tallahassee-St. Marks Historic Railroad State Trail
  - Hixtown Swamp Conservation Area
  - Apalachicola National Forest /Apalachicola Wildlife Management Area
  - Wakulla State Forest
  - Twin Rivers State Forest
  - Upper Aucilla Conservation Area
  - Alligator Lake Park and Recreation Area
  - St. Marks River Preserve State Park

Comments and Recommendations

Gopher Tortoise

ECT staff is recording the locations of active GT burrows observed along the route during site visits. At this time, access has not been granted to all areas of the proposed transmission maintenance corridor and therefore cannot be surveyed. FWC staff recommends that the applicant refer to the FWC's Gopher Tortoise Permitting Guidelines (Revised January 2017) (http://www.myfwc.com/license/wildlife/gopher-tortoise-permits/) for survey methodology and permitting guidance. Survey methodologies require a burrow survey covering a minimum of 15 percent of potential gopher tortoise habitat to be impacted by development activities including staging areas (refer to Appendix 4 in the Gopher Tortoise Permitting Guidelines for additional information). Specifically, the permitting guidelines include methods for avoiding impacts (such as preservation of occupied habitat) as well as options and state requirements for minimizing, mitigating, and permitting potential impacts of the proposed activities. Any commensal species observed during burrow excavation should be handled in accordance to Appendix 9 of the Gopher Tortoise Permitting Guidelines. For additional information on permitting guidance for the proposed construction, please contact Eric Seckinger by phone at (850) 921-1029 or by email at Eric.Seckinger@myFWC.com.

Southeastern American Kestrel

Suitable habitat for southeastern American kestrels may be found along the proposed project area specifically in the easternmost counties and around proposed staging areas 1 and 2. FWC staff recommends that the applicant conduct kestrel surveys from April to August within suitable habitat areas. Surveys from May to July are ideal to avoid confusion with the migratory

subspecies of American kestrel (*Falco sparverius*). Survey guidelines, reporting criteria, and habitat needs for the southeastern American kestrel can be found within the Florida Wildlife Conservation Guide at the following website: https://myfwc.com/media/18576/american_kestrel_technical_report_1993.pdf. If surveys encounter active nest cavities, we recommend avoiding project activities within 150 meters (492 feet) of the nest tree during the breeding season (mid-March to mid-June). If nesting is discovered after construction has begun or if maintaining the recommended buffer is not possible, we recommend that the applicant contact FWC staff identified below to discuss potential permitting needs. In areas of suitable kestrel habitat, we recommend retaining snags whenever possible.

Florida Sandhill Crane

Based on the existing open fields and existing waterbodies adjacent to the proposed ROW, many areas along the eastern portion of the route may provide potential nesting habitat for this species. Proposed site plans indicate that construction may avoid these areas, but FWC staff recommends that surveys for nesting Florida sandhill cranes be conducted prior to construction activities and during the December through August breeding season. For scheduling surveys, specific attention should be given to the February – April timeframes. If there is evidence of nesting during this period, we recommend that the nest site be buffered by 400 feet to avoid disturbance by human activities. If nesting is discovered after construction has begun or if maintaining the recommended buffer is not possible, we recommend that the applicant contact FWC staff identified below to discuss potential permitting needs. Additional information and guidance for conducting Florida sandhill crane surveys can be found in the Florida Sandhill Crane Species Conservation Measures and Permitting Guidelines (https://myfwc.com/media/11565/final-florida-sandhill-crane-species-guidelines-2016.pdf). FWC staff would also like to note that Florida sandhill cranes do not nest in the same location every year, so if construction occurs over several years, it may be necessary to determine if nesting is occurring each year.

Wading Birds

The potential exists for wading bird nesting activity at several locations along the project corridor including FWC-documented rookeries (592131, 592132, and L5 Rookery). FWC staff recommends that specific surveys be conducted for wading birds in the 90 days prior to the commencement of any clearing, grading, or filling activities. Wading birds of concern include but are not limited to the tricolored heron and little blue heron which nest from late March through August with a survey window of May 1 to June 30. Additional information and guidance for conducting surveys can be found in the Species Conservation Measures and Permitting Guidelines for state-threatened wading birds (https://myfwc.com/media/18634/threatenedwadingbirds-guidelines.pdf). If there is evidence of nesting during this period, we recommend that any wading bird nest sites be buffered by 100 meters (330 feet) to avoid disturbance by human activities. If nesting is discovered after site activities have begun, if the removal or trimming of trees with active nests is unavoidable, or if maintaining the recommended buffer is not possible, we recommend that the applicant contact the FWC staff identified below to discuss potential permitting alternatives.

During construction, vegetative communities including wetland forested mixed, mixed wetland hardwoods, gum swamps, and bay swamps will be permanently converted to herbaceous wetlands. This conversion may also create new potential habitat for wading birds and the following guidelines may be used to enhance this habitat within the development:

- Maintain vegetated visual buffers around nesting colonies and feeding areas to protect birds from human disturbance.

- Leave shrubs around the edges of ponds to provide nesting and foraging habitat and for bank stabilization.
- Minimize fertilizer, herbicide, and pesticide runoff into wetlands.

Florida Black Bear

FWC has received 422 reports of human-bear conflicts and 65 reports of bear kills within one mile of the proposed project's route since 2005. Florida black bears are frequent in many areas along the proposed project route which intersects the East Panhandle and Central Bear Management Units identified in the 2018 Bear Management Plan. While black bears tend to shy away from people, they are adaptable and will take advantage of human-provided food sources, such as unsecured garbage, pet food, or bird seed. Once bears become accustomed to finding food around people, their natural wariness is reduced to the point that there can be an increased risk to public safety or private property. Measures can be taken to prevent or reduce conflicts with bears during construction activities, including keeping construction sites clean, with refuse that might attract bears kept separate from construction debris and stored securely in bear-resistant containers or removed daily from the construction site before dark.

Information can also be provided on how workers should respond to bears in the area, such as what to do if bears are encountered at a distance or at close range and when and how to contact the FWC regarding a bear issue. FWC staff is always available to assist and provide further technical assistance during project planning. Additional information about Florida black bears can be found on our website at http://www.myfwc.com/wildlifehabitats/managed/bear.

Vegetation and Habitat Management

The project description submitted with the application describes methods for vegetation clearing which will include the removal of trees and shrub vegetation in both wetlands and uplands. In upland areas, clearing methods indicate that stumps will be grubbed and removed for placement of structures to support the transmission line. FWC staff recommends that stumps be cut to ground level instead of being grubbed or ground to below the surface. Tree stumps, especially those of the longleaf pine, are known to provide critical refugia for many wildlife species, most notably, the Florida pine snake and gopher frog. For wetland areas, trees will be removed by hand or with low ground pressure equipment. The additional recommended methods below have been used in similar areas on FWC-managed properties with positive results:

- All pines can be felled or mowed with the stumps left intact.
- All wood removed should be pile burned at least 50 feet outside of the wetland boundary or removed for off-site disposal.
- If trees or woody shrub removal is required near creeks, debris should be disposed of at least 50 feet from wetland line.

Invasive Species

Newly created edges caused by clearing and construction can threaten adjacent natural communities by providing available sources for non-native and invasive plants. While Gulf Power will allow upland areas within the ROW to revegetate, they do plan to conduct ROW maintenance which will include monitoring and control methods to discourage incompatible vegetation. FWC staff would also recommend development of a vegetation management plan that addresses invasive plant control, groundcover restoration/management, and include potential wildlife species information. The management plan should include an early detection and rapid response approach to controlling exotic species which may include herbicide. FWC staff are available to provide technical assistance for low-maintenance, groundcover options and

management measures that have proven successful on similar sites. Additional information regarding habitat restoration or management plans that benefit wildlife can be found on the FWC website at http://myfwc.com/conservation/terrestrial/. If there are specific technical questions regarding vegetation management or onsite habitat restoration, please contact the FWC staff identified at the end of this letter.

Prescribed Fire

The proposed project is adjacent to the conservation lands listed above where prescribed fire is often used as a primary management tool. Prescribed fire is required to maintain many of the natural upland communities that exist on these properties. Natural resource staff and managers on these conservation lands will continue to use prescribed burning for land management to sustain existing communities and to reduce fuel loads that may otherwise lead to catastrophic wildfires that not only affect wildlife but threaten human life and property. The open-canopy conditions created by the proposed project may concentrate sensitive species in the path of new fire lines which may be required to keep prescribed fire out of the new ROW. FWC staff recommends early coordination with adjacent land managers and the Florida Forest Service with regard to prescribed fire. This coordination with nearby conservation lands could maximize restoration success and identify any potential limitations associated with fire or smoke management.

Federal Species

This site may also contain habitat suitable for the federally listed species identified above. FWC staff recommends coordination with USFWS North Florida Ecological Services Office (ESO) as necessary for information regarding potential impacts to these species. The USFWS North Florida ESO can be contacted at (904) 731-3336.

FWC staff appreciates the opportunity to review the proposed project and looks forward to working with the applicant throughout the permitting process. If you have specific technical questions, please contact Kristal Walsh at (850) 851-8065 or by email at Kristal.Walsh@MyFWC.com. All other inquiries may be sent to FWCConservationPlanningServices@MyFWC.com.

Sincerely,

Jason Hight
Land Use Planning Program Administrator
Office of Conservation Planning Services

fw/kcw
ENV 1-2-2
Gulf Power North Florida Resiliency Connection_39996_122019

cc: Michael Spoor, Vice President, Power Delivery, Gulf Power Company, Mike.G.Spoor@nexterenergy.com
Loretta Cranmer, Director, Environmental Services, Florida Power and Light Company, Loretta.Cranmer@fpl.com
Jude Dawson, Senior Scientist, Environmental Consulting and Technology, Inc., jdawson@ectinc.com
Michael Leahy, Chief Operating Officer, Pickett and Associates, Inc., mleahy@PickettUSA.com

WETLAND AND WATERBODY ACCESS CONSTRUCTION CRITERIA MANUAL

Company:	Gulf Power Company
Project:	North Florida Resiliency Connection Project
Location:	Columbia, Suwannee, Madison, Jefferson, Leon, Gadsden and Jackson Counties
Contact:	Benny Luedike Environmental Manager Gulf Power Company Telephone: 561 904 3730

Effective Date: Prior to and during construction

Version: March 18, 2020

Revisions:

Gulf Power

Table of Contents

Gulf Power

LIST OF APPENDICES

ACRONYMS AND ABBREVIATIONS

BMPs	Best Management Practices
EMF	Electric and Magnetic Field
FDEP	Florida Department of Environmental Protection
FDOT	Florida Department of Transportation
GPC	Gulf Power Company
IFAS	University of Florida Institute of Food and Agricultural Sciences
MP	Milepost
NESC	National Electrical Safety Code
NFRC	North Florida Resiliency Connection
NRCS	Natural Resources Conservation Service
NextEra	NextEra Energy Resources, Inc.
NOI	Notice of Intent
WWACCM	Wetland and Waterbody Access Construction Criteria Manual
Project	North Florida Resiliency Connection Project
R/W	Right-of-Way
SCP	Spill Control Plan
SSL	Sovereignty Submerged Lands
SWPPP	Stormwater Pollution Prevention Plan
U.S.	United States
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey

1. INTRODUCTION

1.1 Project Description

Gulf Power Company (GPC) is planning the construction of the new North Florida Resiliency Connection (NFRC) 161kV Transmission Line. The new 176-mile, single circuit transmission line will route from FPL's Raven Substation (Lake City) to GPC's Sinai Cemetery Substation (Chattahoochee).

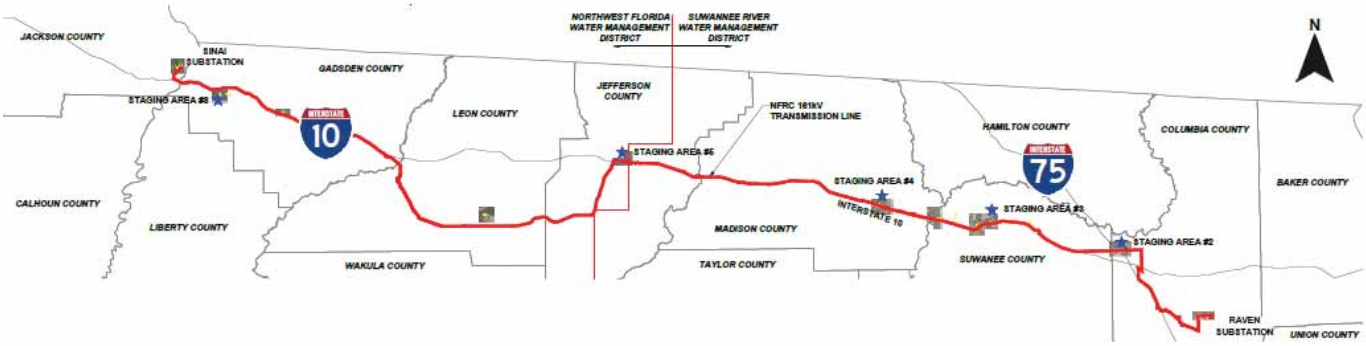
This Project is located in North Florida and traverses the following seven counties: Columbia, Suwannee, Madison, Jefferson, Leon, Gadsden, and Jackson. (See below and Appendix A for a Location Map)

Generally, the new NFRC 161kV Transmission Line will generally follow existing linear facilities including FDOT (I-75, I-10, US90, US41), local rural roads, and other utility corridors (Clay Electric Co-Op, City of Tallahassee, FGT). A 15 foot wide easement is contemplated where the line is adjacent to non-limited access rights of way. A 60 foot wide easement is contemplated where the line is overland or adjacent to limited access rights of way.

The proposed line includes:

- 176-mile new build of NRFC 161kV transmission line.
- 11.5-mile rebuild of existing FPL Suwannee-Columbia 115kV transmission line, (double circuit).
- 14-miles rebuild of existing City of Tallahassee 230kV transmission lines L-31N and L-33 through the Apalachicola National Forest.
- 13 sovereign and submerged lands water crossings
- 24 major FDOT crossings

The NFRC 161kV line will be installed with two (2) bundled 1272 ACSR "Pheasant" conductor rated at 3210 Amps (850 MW). The line will have a single 0.646 96 SMF OPGW shield wire.



Project Area Map

1.2 Purpose of this Manual

This Wetland and Waterbody Access Construction Criteria Manual ("WWACCM") has been prepared for use by Gulf Power Company and its contractors as a guide for construction techniques in wetlands and waterbodies. Impacts to navigation, public health / safety, water quality and restoration are also discussed. The Manual also serves as a guide for minimizing erosion of disturbed soils and transportation of sediments off the R/W and into sensitive resources (wetlands, streams, and residential areas) during transmission line construction.

The procedures developed in this Manual, which represent GPC's best management practices (BMP's), are designed to accommodate varying field conditions while maintaining rigid minimum standards for the protection of environmentally sensitive areas. This Manual is designed to provide specifications for the installation and implementation of construction techniques in wetlands and waterbodies while permitting adequate flexibility to use the most appropriate measures based on site-specific conditions. This Manual provides general information on the transmission line construction process and describes specific measures that will be employed during and following construction to minimize effects on the environment from the construction of the Project facilities.

The purpose of this Manual is to preserve the integrity of environmentally sensitive areas and to maintain existing water quality by implementing the following objectives:

- Minimize the extent and duration of disturbance;
- Maintain existing overland flow patterns;
- Install temporary erosion control measures; and
- Establish an effective inspection and maintenance program.

1.3 Inquiries

Inquiries regarding this Manual should be addressed to Mr. Benny Luedike, Environmental Manager.

For field conditions requiring immediate response, contact Jessica Ireton-Hewitt, Senior Project Manager.

Additional contact information will be provided upon request.

2. SUPERVISION AND INSPECTION

To effectively mitigate Project-related effects, the Manual must be properly implemented in the field. Quick and appropriate decisions in the field regarding critical issues such as stream and wetland crossings, placement of erosion controls and other construction related items are essential.

To ensure that the Manual is properly implemented, at least one Lead Environmental Inspector and several Environmental Inspectors (EI) will be designated by GPC for each construction phase during active construction or restoration. In addition to the EI's, a stormwater pollution prevention team will be identified by the contractor. The EI's will have peer status with all other activity inspectors and will report directly to the Environmental Manager who has overall environmental authority on the construction spread. The EI's will have the authority to stop activities that violate the environmental conditions of the federal and state permits, or landowner requirements, and to order corrective action.

24 Hour Emergency Contact:	To Be Determined
Key Project Contacts:	To Be Determined
Gulf Power Company:	Benny Luedike, Environmental Manager
Transmission Line Contractor:	To Be Determined
Project Engineer:	Mike Leahy, P.E., P.S.M. Pickett and Associates, Inc. 5010 W. Nassau Street Tampa, FL 33607 813 404 1555 mleahy@pickettusa.com

2.1 Responsibilities of the Environmental Inspector (EI)

At a minimum, the EI will be responsible for:

1. Inspecting construction activities for compliance with the requirements of this Manual, the construction drawings, and ensuring Federal or State environmental permits and conditions therein are adhered to;
2. Identifying, documenting, and overseeing corrective actions, as necessary to ensure activities remain in compliance;
3. Verifying that the limits of authorized construction work areas and locations of access are visibly marked before clearing and maintained throughout construction;
4. Verifying the location of signs and highly visible flagging marking the boundaries of sensitive resource areas, waterbodies, wetlands, or areas with special requirements at or near the construction work area;
5. Identifying erosion/sediment control and soil stabilization needs in all areas;
6. Advising the Construction Lead when environmental conditions (such as wet weather) make it advisable to restrict or delay construction;
7. Ensuring restoration of the project area;
8. Ensuring that erosion control devices are properly installed to prevent sediment flow into environmental resource areas (e.g. wetlands, waterbodies, cultural resource sites, and sensitive species habitats) and onto roads, and determining the need for additional erosion control devices;
9. Inspecting, reporting, and ensuring the maintenance of temporary erosion control measures at least:
    i. On a daily basis in areas of active construction or equipment operation;
    ii. On a weekly basis in areas with no construction or equipment operation; and
    iii. Within 24 hours of the end of a storm event producing 0.5 inch of rainfall or greater.
    iv. As often as necessary until any poorly functioning erosion controls or sediment controls, non-compliant discharges, or any other deficiencies observed during a prior inspection are corrected and documented.

10. Ensuring the repair of all ineffective temporary erosion control measures within 24 hours of identification, or as soon as conditions allow if compliance with this time frame would result in greater environmental effects;
11. Keeping records of compliance with the environmental conditions of Federal or State environmental permits during active construction and restoration;
12. Identifying areas that should be given special attention to ensure stabilization and restoration after the construction phase;
13. Verifying that locations for any disposal of excess construction materials for beneficial reuse comply with Section 3.6.3.2 and 3.6.3.3 of this Manual;
14. Ensuring that the Contractor implements and complies with an approved Stormwater Pollution Prevention Plan (SWPPP);

2.2 Environmental Training for Construction

All personnel working on the jobsite are required to understand the environmental requirements and work restrictions noted in environmental reports and they must understand all permit conditions. Pre-construction environmental training will be conducted with all contractors and subcontractors. Contractors and subcontractors will be encouraged to include environmental topics in their daily scheduled safety meetings.

3. CONSTRUCTION OF THE NFRC TRANSMISSION LINE

3.1 Construction Sequence

Transmission Lines are installed using conventional overland Transmission Line construction techniques. These activities are necessary for the installation of a stable, safe, and reliable transmission facility consistent with GPC requirements and regulations. This section provides an overview of the equipment and operations necessary for the installation of the NFRC Transmission Line, describes potential effects that may occur from each operation, and identifies the measures that will be implemented to control these potential effects. This section also discusses in detail the erosion and sediment control techniques that apply to each construction activity including clearing, foundation installation, structure installation, and conductor installation. It is the responsibility of the Contractor to provide a detailed outline of the proposed construction sequence. R/W restoration is addressed in Sections 3.1.8 and 3.3.

Installation of the Transmission Line is anticipated to proceed with multiple crews from one end of the construction spread to the other in an assembly line or "mainline" fashion. The spacing between the individual crews responsible for each interdependent activity is based on anticipated rate of progress. The activities listed below are normally performed in the following sequence:

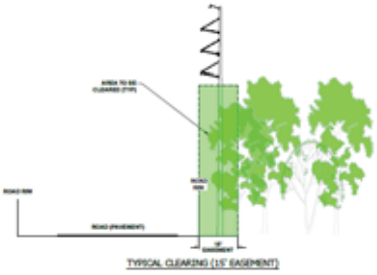
- Survey and Flag the R/W;
- Clearing the R/W;
- Installing temporary erosion control;
- Delivering the poles to each proposed location
- Installation of the foundation / pole base
- Installation of the mid and top sections
- Framing of the structures
- Installation of the overhead conductor and shield wire
- R/W restoration and clean-up.

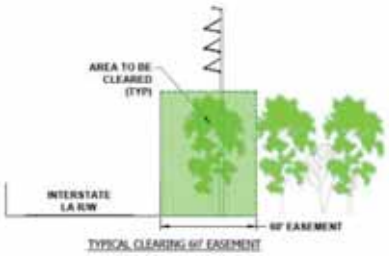
Obstacles to the mainline technique are often encountered and are not considered to be out of the ordinary. These obstacles, which include rock, wetlands, streams, roads, and residential areas, do not normally interrupt the assembly line flow.

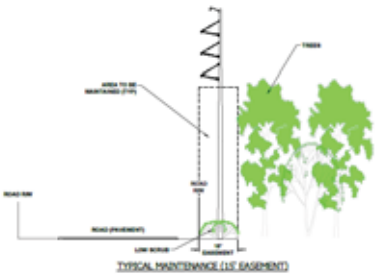
3.1.1 Clearing

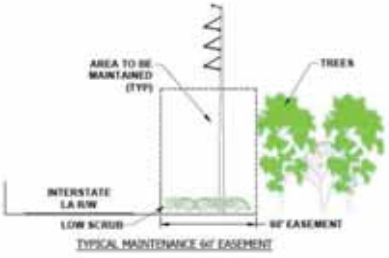
Clearing operations will include the removal of vegetation within the construction R/W. Various clearing methods will be employed depending on tree size, contour of the land, and the ability of the ground to support clearing equipment. Vegetative clearing will either be accomplished by hand or by cutting equipment. The following procedures will be standard practice during clearing: See Figures 1-3 in Appendix B.

1. Prior to beginning the removal of vegetation, the limits of clearing will be established and identified in accordance with the construction drawings;
2. All construction activities and ground disturbance will be confined to within the R/W shown on the construction drawings;
3. Clearly mark and protect trees to be saved as per landowner requests or as otherwise required;
4. All brush and trees will be felled into the construction R/W to minimize damage to trees and structures adjacent to the R/W. Trees that inadvertently fall beyond the edge of the R/W will be immediately moved onto the R/W and disturbed areas will be immediately stabilized;
5. Trees will be chipped or cut into lengths and then removed;
6. Brush and limbs may be disposed of in approved upland locations and according to State or local restrictions. Vegetative debris/waste cannot be stored or stockpiled in wetlands.



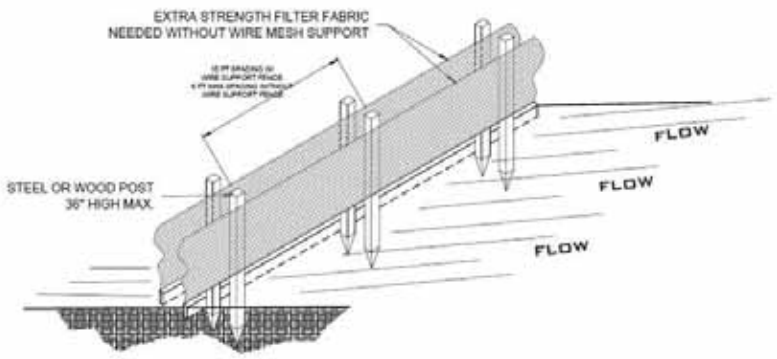






3.1.2 Installing Temporary Erosion Control

Temporary erosion controls intended to minimize the flow of sediment and to prevent the deposition of sediments beyond approved workspaces or into sensitive resources, will be installed following vegetative clearing operations. They may be constructed of materials such as silt fence, hay bales, floating turbidity barriers or an equivalent material as identified by the EI. See Figures 4 – 9 in Appendix B.



Typical Silt Fence Detail

Temporary stabilization of the disturbed R/W will be initiated immediately whenever work toward project completion and final stabilization has temporarily ceased on any portion of the disturbed R/W and will not resume for a period exceeding thirteen calendar days.

Install temporary erosion control at the base of slopes adjacent to road crossings and at waterbody and wetland crossings in accordance with Figures 4-9.

1. Temporary erosion control will be designed and maintained to minimize erosion and maximize sediment removal resulting from a 2-year, 24-hour storm event.
2. Inspect temporary erosion control daily in areas of active construction to ensure proper functioning and maintenance. In other areas, erosion control will be inspected and maintained on a weekly basis throughout construction, and within 24 hours following storm events. (See State-specific monitoring requirements in Section 2.1)
3. Maintain all temporary erosion control in place until permanent revegetation measures are successful or the upland areas adjacent to wetlands, waterbodies, or access areas are stabilized.
4. Remove temporary erosion control from an area when the area has been successfully restored as specified in Sections 3.2 and 3.2.

3.1.3 Delivering the poles to each proposed location

Generally, the poles will be initially delivered to each staging area and stored until needed to be installed. There are approximately 2,000 poles needed for the project, so roughly 400 poles / staging area. The concrete poles are generally single piece poles as shown below.

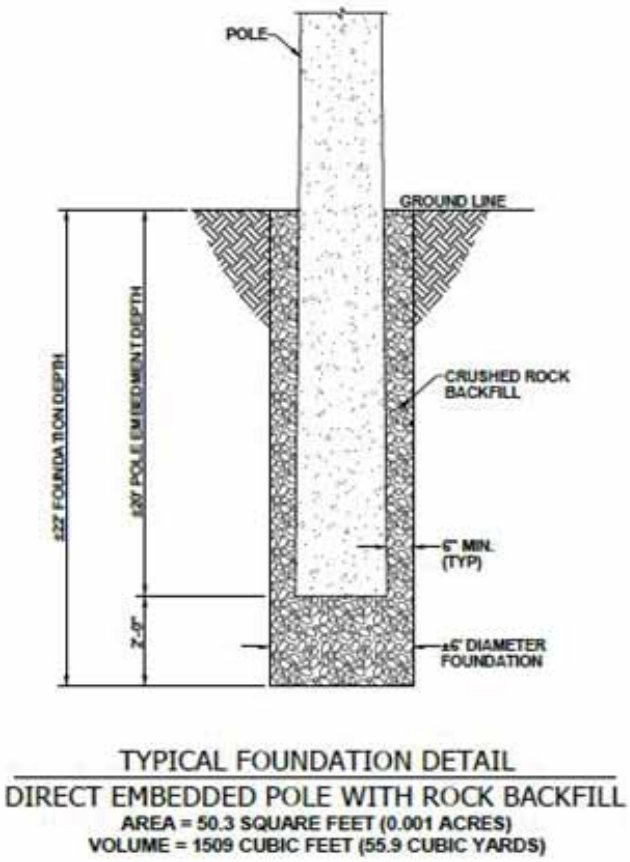
The steel poles will be generally 3 piece poles consisting of a base, mid-section (mid) and top section (top).

Example of a Base, Mid and Top staged at a proposed pole location

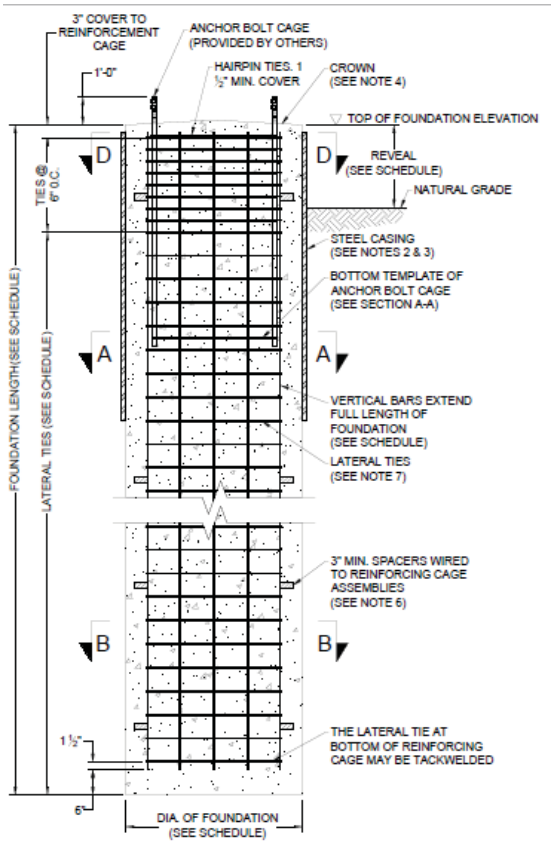
The concrete structures are typically hauled to each location using a pole hauler:

3.1.4 Installation of the foundation / pole base

The foundation for each pole is dependent on whether the pole is concrete or steel and whether it is a tangent or angle structure.



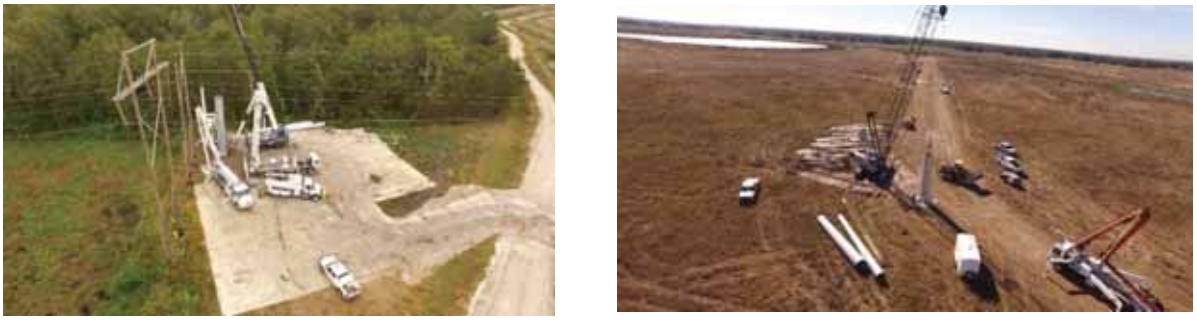
TYPICAL FOUNDATION DETAIL
DIRECT EMBEDDED POLE WITH ROCK BACKFILL
AREA = 50.3 SQUARE FEET (0.001 ACRES)
VOLUME = 1509 CUBIC FEET (55.9 CUBIC YARDS)



FOUNDATION ELEVATION

Concrete poles will be direct embedded. The bottom part of the pole is set into an augered hole (typically 4' – 6' diameter) which is then backfilled with #57 crushed stone. The depth depends on the overall height and function, but typically range from 20' to 30' deep.

Steel pole foundations will consist of poured concrete caisson foundations. The caissons will have anchor bolts that will accept the steel pole base plate.



Typical Installation of a steel pole base

3.1.5 Installation of the mid and top sections

The mids and tops will be installed using a crane. Typically, the insulators will be framed on the ground and lifted into place with the top section.

Framing the tops in the staging area

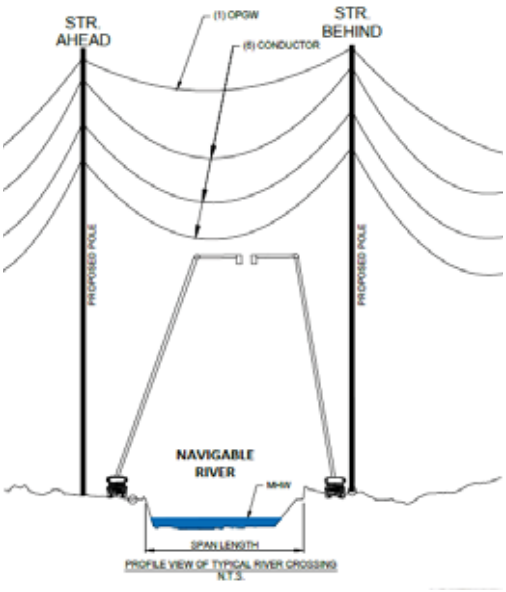
3.1.6 Framing of the structures

Completed steel structure with insulators

3.1.7 Installation of the conductor and shield wire

The wire stringing process is generally accomplished in four steps:

1. The wire stringing operation begins with placing blocks (rollers) on the structures.
2. Installation of a progression of ropes starting with a small (1/2" diameter) rope referred to as a p-line.
3. The p-line is then used to pull in a larger rope (1" diameter) referred to as a bull rope.
4. The bull rope is then used to pull in the actual conductor. Wire pulling / tensioning equipment will be set up to facilitate the wire pulling operation. Lift vehicles may also be used during the conductor pulling operation.



Wire Tensioning Equipment

Conductors and OPGW (Refer to Figure 14 and 14.1)

3.2 R/W Restoration and Final Cleanup

Restoration of the R/W will begin after Transmission Line construction activities have been completed. Restoration measures include the re-establishment of final grades and drainage patterns as well as the removal of temporary erosion and sedimentation control devices. Residential areas will be restored in accordance with Section 4.2.2. Property will be restored as close to its original condition as practical.

1. Final cleanup of the disturbed R/W will be initiated immediately following and grade restoration activities, and the Contractor shall make every reasonable effort to complete final cleanup of an area within 20 days after completion in that area (within 10 days in residential areas). If seasonal or other weather conditions prevent compliance with these time frames, maintain temporary erosion controls until conditions allow completion of cleanup.
2. The disturbed R/W will be seeded within six working days of final grading, weather and soil conditions permitting.
3. Grade the R/W to pre-construction contours.
4. Spread segregated topsoil back across the graded R/W to its original profile.
5. Remove excess rock from at least the top 12 inches of soil to the extent practical in all rotated and cultivated cropland, hayfields, managed pastures, residential areas, and other areas at the landowner's request. The size, density, and distribution of rock on the construction R/W should be similar to adjacent areas not disturbed by construction. The landowner or land management agency may approve other provisions in writing.
6. A travel lane may be left open temporarily to allow access by construction traffic if the temporary erosion control structures are installed, regularly inspected and maintained. When access is no longer required, the travel lane must be removed and the R/W restored.
7. Remove all construction debris from all construction work areas unless the landowner or land managing agency approves leaving materials onsite for beneficial reuse, stabilization, or habitat restoration.
8. Remove temporary erosion control when revegetation is successful.

3.3 Revegetation and Seeding

Successful revegetation of soils disturbed by Project-related activities is essential. Seeding will be conducted using the following requirements:

1. Incorporate recommended soil pH modifier and fertilizer into the top two inches of soil as soon as practical after application;
2. Seed all disturbed areas within six working days of final grading, weather and soil conditions permitting;
3. Prepare seedbed in disturbed areas to a depth of three to four inches to provide a firm seedbed. When hydroseeding, scarify the seedbed to facilitate lodging and germination of seed;
4. Seed disturbed areas in accordance with the seed mixes, rates, and dates based on site specific seed mixture recommendations to be obtained from the landowner, NRCS or local IFAS Extension Office, as required.
5. Base seeding rates on Pure Live Seed ("PLS"). Use seed within 12 months of seed testing;
7. Treat legume seed with an inoculant specific to the species using the manufacturer's recommended rate of inoculant appropriate for the seeding method (broadcast, drill, or hydroseeding); and
8. Uniformly apply and cover seed in accordance the above criteria. In the absence of any recommendations from the local Natural Resource Conservation Service offices, landowner, or land managing agency to the contrary. A seed drill equipped with a cultipacker is preferred for application, but broadcast or hydroseeding can be used at double the recommended seeding rates. Where seed is broadcast, firm the seedbed with a cultipacker or roller after seeding. In rocky soils, or where site conditions may limit the effectiveness of this equipment, other alternatives may be appropriate (e.g., use of a chain drag) to lightly cover seed after application, as approved by the EI's.

3.4 Typical R/W Requirements

Transmission Line construction workspace requirements are a function of structure type, equipment size, topography, location of construction such as at road crossings or river crossings, Transmission Line crossovers, methods of construction such as direct embedded or poured caisson construction, or existing soil conditions encountered during construction. As shown in Figures 10 and 11, and described further below, there are two typical R/W Requirements:

a) A 15-foot wide easement is being utilized along non Limited Access Roadways. This 15-foot easement is adjacent to the road R/W line. Access along these sections (approximately 16 miles) will utilize existing paved roads (city and county roads, etc.).

b) A 60-foot wide easement is being utilized along Limited Access Roadways (I-75 and I-10) as well as cross country. Access along these sections (approximately 160 miles) will generally be along and within the 60-foot wide easement. The 60-foot wide easement runs along the north side of I-10 and along the west side of I-75. Where the easement intersects a roadway (County, City, etc.) or Railroad, additional access easements will be utilized to provide turnarounds or access from the easement to the intersected road. See Figures 12 and 13 in Appendix B for typical details.

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Easement widths are determined by compliance with:

a) National Electrical Safety Code (NESC)
b) Electric and Magnetic Field (EMF) requirements
c) Conductor Blowout (movement) requirements
d) Vegetation clearance requirements
e) Safe Working Practices requirements,
f) Construction Means and Methods

All construction activities are restricted to the R/W limits identified on the construction drawings.

3.5 Access

All access to the construction R/W will be limited to existing roads and minimized in wetlands to the extent practical. Additional access to the R/W are required at various points along the project R/W where other road crossings (paved or gravel/state/local roads) do not exist. Examples of types of access used include railroad R/W's, powerline service roads, logging roads and farm roads. Improvements to access (matting) may be required due to the size and nature of the equipment that would utilize the road See Figures 15 and 16 in Appendix B for typical FGT Crossing Details.

- Access to the R/W during construction and restoration activities is permitted only by the new or existing access easements identified on the construction drawings.
- Contractor will maintain safe conditions at all road crossings and access points during construction and restoration. All access will be maintained during construction by light grading and the addition of gravel or stone when necessary in uplands.
- Contractor will implement all appropriate erosion and sedimentation control measures for construction/improvement of access easements.
- Contractor will ensure that all paved road surfaces utilized during construction are kept free of mud and debris to the extent practical.
- The use of tracked equipment will be minimized on public roadways. Remove any soil or gravel spilled or tracked onto roadways daily or more frequent as necessary to maintain safe road conditions. Repair any damages to roadway surfaces, shoulders, and bar ditches.
- All access across a wetland or non-navigable waterbody will use matting or an equipment bridge in accordance with Figures 17-22.
- The only access, other than the construction R/W, which can be used in wetlands are those existing roads that can be used with no modifications or improvements, other than routine repair, and no impact on the wetland.
- Limit construction equipment operating in wetland areas to that needed to clear the R/W, auger the foundation, fabricate and install the Transmission structure, backfill the foundation, and restore the R/W. All other construction equipment will use access located in upland areas to the maximum extent practical. Where access in upland areas do not provide reasonable access, all other construction equipment usage will be limited to matting through the wetland using the R/W.
- Timber mats or an equivalent will be used for access through a wetland, unless otherwise authorized by agency permits. See Figures 20 – 23 for typical wetland matting details.

3.6 Off-R/W Disturbance

All construction activities are restricted to within the limits identified on the construction drawings However, in the event that off-R/W disturbance occurs, the following measures will be implemented:

- The EI's will immediately report the occurrence to the Construction Lead and R/W Agent;
- The conditions that caused the disturbance will be evaluated by the Construction Lead and the EI's, and they will determine whether work at the location can proceed under those conditions; and
- If deemed necessary by the Construction Lead and EI's, one or more of the following corrective actions will be taken: immediate restoration of the original contours, seeding and mulching of the disturbed area, and/or installation of erosion control devices. GPC's Environmental Project Manager will be notified as soon as practical.

3.7 Unauthorized Vehicle Access to R/W

Gulf Power Company will offer to install and maintain measures to control unauthorized vehicle access to the R/W based on requests by the land manager or landowner of forested lands. These measures may include:

- Signs;
- Fences with locking gates

4. SPECIAL CONSTRUCTION AREAS

Gulf Power Company will utilize the following specialized construction procedures for agricultural areas and residential areas along the Project. The Project construction drawings, Line Lists, and Construction Contract will indicate the locations where specialized construction methods will be used.

4.1 Agricultural Areas

4.1.1 Irrigation

- Attempt to locate existing drain tiles and irrigation systems.
- Develop procedures for constructing through agricultural areas, maintaining irrigation systems during construction, and repairing drain tiles and irrigation systems after construction.
- Engage qualified drain tile and irrigation specialists, as needed, to conduct or monitor repairs to irrigation systems affected by construction. Use specialists from the Project area, if available.
- Probe all drainage tile and irrigation systems within the area of disturbance to check for damage.
- Repair damaged systems to their original condition.
- Maintain water flow in crop irrigation systems, unless shutoff is coordinated with affected parties.
- Repair any damage to the systems as soon as practical.

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4.2 Residential Areas

4.2.1 Construction Procedures

Specialized construction procedures will be utilized in areas of heavy residential or commercial/ industrial congestion where residences or business establishments are located within 50 feet of construction work areas.

- Install safety fence at the edge of the construction R/W for a distance of 100 feet on either side of the residence or business establishment.
- Attempt to maintain a minimum distance of 25 feet between any residence/business establishment and the edge of the construction work area for a distance of 100 feet on either side of the residence/business establishment.
- Avoid removal of mature trees and landscaping within the construction work area unless necessary for safe operation of construction equipment,
- Restore all lawn areas and landscaping immediately following cleanup operations,
- If seasonal or other weather conditions prevent compliance with these time frames, maintain and monitor temporary erosion controls (erosion control and mulch) until conditions allow completion of restoration.

4.2.2 Cleanup and Restoration

- Reseed all disturbed lawns with a seed mixture acceptable to landowner or comparable to the adjoining lawn.
- Landowners will be compensated for damages to ornamental shrubs and other landscape plantings based on the appraised value as set forth in the Guide for Plant Appraisal, authored by the Council of Tree and Landscape Appraisers, 10th Edition and published in 2018 by the International Society of Arboriculture.
- Landowners will be compensated for damages in a fair and reasonable manner, and as specified in the damage provision within the controlling easement on each property.

4.3 Staging Areas

The following five (5) staging areas will be used for the project.

Staging Area #2 – Columbia County – SRWMD
Suwannee Valley Road, Lake City, FL
PID 25-2S-15-00093-000

Staging Area #3 – Suwannee County – SRWMD
153rd Road, Live Oak, FL
PID 36-01S-12E-0981400.0000

Staging Area #4 – Madison County – SRWMD
S. Dale Leslie Dr., Madison, FL
PID 21-1S-10-1290-001-000

Staging Area #5 – Jefferson County - NWFWMD
Campground Road, Monticello, FL
PID 14-1N-4E-0000-0042-0000

Staging Area #8 – Gadsden County – NWFWMD
Flat Creek Road, Chattahoochee, FL
PID 2-35-3N-6W-0000-00220-0000

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Temporary Staging Areas are required to stage and store construction materials (poles, conductor, insulators, etc.) and equipment (drill rigs, line trucks, cranes, etc.) along the project. The 176 mile length of the corridor was broken up into approximately 20 mile segments initially resulting in the need for eight (8) temporary staging areas. GPC was able to negotiate five of the eight staging areas, and are going forward with the five staging areas noted above. Each staging area is sized to be able to store its pro-rata share of the material. The average site selection criteria for each staging area is to be approximately 16.0 acres total with approximately 12.6 acres of developed area. The developed area will consist of an at grade #57 crushed limerock surface to facilitate the storage of poles and equipment along with a perimeter road to facilitate access. Each site has been reviewed to ensure that existing surface water flow will not be impeded. Additionally, each site will have a berm / swale along the low side(s) along with dry retaining ponds to ensure that no runoff from the site will impact any neighboring properties. The staging areas will remain in place for the duration of the project. At the conclusion of the project, each staging area will be returned to its pre-construction state. The anticipated duration is approximately 12 – 18 months.

Staging Areas are contingent upon land negotiations. GPC was able to negotiate five of the eight staging areas, and are going forward with the five staging areas noted above.

- Construction and maintenance access to each staging area will be gained via existing road right-of-way. Connector aprons will be constructed in accordance with county / state requirements.
- Staging Areas will conform with all federal, state, and local ordinances and regulations for long term storage materials.
- Deliveries and active use of staging areas will be consistent with construction hours.
- All proposed semi-pervious material will be installed at the existing natural ground elevation throughout the site to prevent impedance of the existing watershed.
- When the proposed activities occur adjacent to wetlands, appropriate sediment control methods will be used, as required. Sediment controls include the installation of staked silt fences along proposed fill in wetlands.
- No tree removal will be necessary to facilitate construction of the staging areas.
- Each staging area will use the void space between the #57 crushed limerock for storage for the first 1" of runoff. GPC has done extensive testing on this void ratio and has determined that a 35% void ratio provides a good conservative value. In addition to utilizing the voids for storage, each site will have a swale / berm constructed on the low side(s) of each to ensure no stormwater runoff escapes to adjacent properties. Each site will also have a dry retention pond to account for attenuation. The ponds have been designed to recover within 72 hours. Soil Borings and Double Ring Infiltrometer Testing have been performed at each site to facilitate the design of each dry pond

The Contractor will perform the following measures at the five staging areas:

- Install erosion control structures ("BMP's") as directed by the EI's, outlined in this Manual, or identified on the construction drawings, and maintain them throughout construction and restoration activities;
- Construct each staging area per the approved / permitted plans;
- Implement and comply with the SWPPP; and

- Restore and revegetate all disturbed areas in accordance with the measures outlined in this Manual and as directed by the EI's.

Typical Staging Area

4.4 Repeater Station

The NFRC 161kV transmission line has fiber communications along the entire length and will require a Fiber Regeneration (Repeater) Station. A 12-foot wide x 36-foot long prefabricated building will be utilized. The perimeter (40-foot x 60-foot) of the repeater station area will be fenced. The site is designed to contain storm water volume as well as treatment volume by on site pond (dry) and berms. The remaining area internal to the site will be at grade #57 crushed limerock. The following activities are associated with the development of the repeater station:

Example repeater station

- site preparation including all civil development, grading and drainage, aggregate surfacing, fencing and security, foundation install, grounding installation, conduit installation, station service, AC and DC battery systems, and provide all exterior connections as required to complete the installation, including lightning protection and grounding.

The Contractor will perform the following measures at the repeater station:

- Install erosion control structures and implement BMP's as directed by the EI's, outlined in this Manual, or identified on the construction drawings, and maintain them throughout construction and restoration activities;
- Construct the repeater station per the approved / permitted plans;

- Implement and comply with the SWPPP; and
- Restore and revegetate all disturbed areas in accordance with the measures outlined in this Manual and as directed by the EI's.

5. WATERBODY CROSSINGS

The following section describes the construction procedures and best management practices that will be implemented during construction of the transmission line in and adjacent to waterbodies. The intent of these procedures is to minimize the extent and duration of project related disturbances within waterbodies.

5.1 Waterbody Definition

Waterbody – Any natural or artificial creek, stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Waterbodies can be state jurisdictional or federally jurisdictional (Section 10 Waters)

- Minor Waterbody – includes all waterbodies less than or equal to 40 feet wide at the water's edge at the time of crossing;
- Intermediate Waterbody – includes all waterbodies greater than 40 feet wide but less than 80 feet wide at the water's edge at the time of crossing;
- Navigable Waterbody – includes all navigable waterbodies as determined sovereign by the State, and those Section 10 waters regulated by the USACE.

5.2 Procedures for Crossing Navigable and Non-Navigable Waterbodies

Transmission line construction across waterbodies (minor and intermediate) may result in short term water quality impacts, which will be localized and fully contained within proper turbidity control devices. Mobilization of construction equipment will be performed in a manner that will minimize the potential for erosion and sedimentation within the waterbody. Erosion control measures will be implemented to confine water quality impacts within the immediate construction area and to eliminate impacts to downstream areas. The length of the crossing, the sensitivity of the area, existing conditions at the time of the crossing, and permit requirements will determine the most appropriate measures to be used. This manual sets forth the anticipated methods for crossing each type of waterbody, but field and weather conditions at the time of construction will direct proper crossing techniques at the time of construction. The Environmental Inspector will provide direction based on field conditions during construction.

5.2.1 Navigable Waterbodies

Construction equipment will not cross any of the five navigable waterbodies listed below. For navigable waters, GPC will utilize Type B stringing methods as describe below and in Appendix B, Figures 14 and 14.1. Final heights of the conductors over navigable waters will conform to USACE height clearances prescribed for Section 10 Waters.

TABLE 5-1: LIST OF NAVIGABLE WATERBODIES

SSL #	Phase	MM	Strucure Behind	Structure Ahead	River	County	Distance Shore to Shore (feet)	Designation	Matting / Bridge	Wire Stringing Type
2	I / II	51.2	580	601	Suwanee River	Suwanee / Madison	300	Navigable	No	B
3	IIA	84.5	913	914	Aucilla River	Jefferson / Madison	150	Navigable	No	B
7	III	139.7	1618	1619	Ochlocknee River	Gadsden / Leon	210	Navigable	No	B
10	III	147.5	1695	1696	Little River	Gadsden	120	Navigable	No	B
12	III	172.8	1938	1939	Apalachicola River	Jackson / Gadsden	700	Navigable	No	B

5.2.1.1 Wire Stringing Over Waterbodies

The wire stringing process is generally accomplished in four steps:

1. The wire stringing operation begins with placing blocks (rollers) on the structures on each side of the crossing.
2. Installation of a progression of ropes starting with a small (1/2" diameter) rope referred to as a p-line.
3. The p-line is then used to pull in a larger rope (1" diameter) referred to as a bull rope.
4. The bull rope is then used to pull in the actual conductor. Wire pulling / tensioning equipment will be set up to facilitate the wire pulling operation. Lift vehicles may also be used during the conductor pulling operation.

Wire Stringing Type A
Eight of the thirteen crossings fall into this category. Since the shore to shore distance is fairly short, 100 feet or less, the p-line can be passed from bucket truck to bucket truck with no impact on the water body to be crossed. Once the p-line is in place in the blocks, the rest of the wire pulling activity is completed in the air with no further impact to the navigability of the crossing.

Wire Stringing Type B
Five of the thirteen crossings fall into this category as further discussed below:

- Suwannee River; 300-foot span
- Aucilla River; 150-foot span
- Ochlocknee River; 210-foot span
- Little River; 120-foot span
- Apalachicola River; 700-foot span

There are three primary methods used to get the p-line across these distances:

1) Cross Bow
2) John Boat
3) Helicopter

The Cross Bow method involves attaching the p-line to an arrow in the cross bow and shooting it across the body of water. This method would work well for spans equal to or less than 300 feet. i.e. four out of five of the crossings.

Use of a John boat would be an option for the Apalachicola River. This would involve towing the p-line from shore to shore and then lifting it into the rollers.

A helicopter is often used to pull in the p-line for longer crossings. The helicopter flies along the line and sets the p-line into the roller by use of a mechanical guide. Once the p-line is in the rollers, the rest of the wire stringing will occur as listed in Wire Stringing Type A.

Impacts to Navigation

With the exception of brief disruptions that may be required to ensure public safety, the procedures described above will ensure that construction of the project will have no impact to navigation. It should be noted that the eight (8) type A crossings are not navigable. Proper notification will be made with all applicable agencies during the conductor installation process for all crossings that are navigable. Prior to initiating work at a crossing, GPC will work with applicable agencies regarding any brief disruptions and deploy vessels upstream and downstream of each crossing in order to notify local boaters of any disruption, which are expected to take no longer than 1 to 2 hours per crossing.

5.2.2 Non-Navigable Waterbodies

Construction at waterbodies (Figures 17-19) will be conducted using two principal crossing methods, a "matted" crossing and a "bridge" crossing. Both are temporary.

The "matted" crossing consists of utilizing temporary matting (timber or composite) to cross the waterbody. Deployed with safety in mind, the matted method is designed to maintain downstream flow at all times and allow water flow over and through the matting. The overall objective is to minimize siltation of the waterbody and to facilitate construction traffic. The matted crossing method is applicable to waterbodies up to 3 feet deep at the at the time of construction. "Matted" crossings are further described below.

The "bridge" crossing procedure involves spanning the waterbody by isolating the construction zone from the stream flow. The objective of this method is to complete the waterbody crossing as quickly and safely as practical in order to minimize the duration of temporary impacts to aquatic resources. All streams, their classifications, and crossing procedures are identified on the construction drawings. Table 5-1 outlines the general procedures to be followed at all waterbody crossings. The "bridge" crossing is further broken down into small, intermediate and large.

5.2.3 General Crossing Procedures of Non-Navigable Waterbodies

See the below Table 5-1 for crossing procedures at each named waterbody. Crossing of waterbodies when they are dry and not flowing (Figure 17) may proceed using standard upland construction techniques, provided that the EI verifies that water is unlikely to flow during construction or restoration activities at the location. In the event of perceptible

flow, GPC and its contractors will comply with all applicable crossing procedure requirements for "waterbodies" as defined in Section 5.1 of this Manual.

TABLE 5-2: GENERAL WATERBODY CROSSING PROCEDURES

SSL #	Phase	MM	Strucure Behind	Structure Ahead	River	County	Distance Shore to Shore (feet)	Designation	Matting / Bridge	Wire Stringing Type
1	I	29.6	350	351	Rocky Creek	Suwanee	30	Minor	Matting	A
2	I / II	51.2	580	601	Suwanee River	Suwanee / Madison	300	Navigable	No	B
3	IIA	84.5	913	914	Aucilla River	Jefferson / Madison	150	Navigable	No	B
4	IIB	99.4	1132	1133	Coocksey Branch	Jefferson	30	Minor	No	A
5	IIB	111.4	1246	1247	Saint Marks River	Jefferson	30	Minor	Matting	A
6	IIB	127.1	1395	1395A	Munson Slough	Leon	60	Intermediate	Bridge	A
7	III	139.7	1618	1619	Ochlocknee River	Gadsden / Leon	210	Navigable	No	B
8	III	140.3	1623	1624	Midway Branch	Gadsden	30	Minor	No	A
9	III	142.1	1644	1645	Midway Branch	Gadsden	30	Minor	Matting	A
10	III	147.5	1695	1696	Little River	Gadsden	120	Navigable	No	B
11	III	171.4	1921	1922	Crooked Creek	Gadsden	20	Minor	Matting	A
12	III	172.8	1938	1939	Apalachicola River	Jackson / Gadsden	700	Navigable	No	B
13	III	174.8	1958	1959	Spring Branch	Jackson	30	Minor	Matting	A

5.2.3.1 Matted Crossing of Non-Navigable Waterbodies

The matted crossing method utilizes composite or timber matting to facilitate construction traffic (Figure 17). This method is utilized for waterbodies (minor and intermediate) up to 3 feet deep.

Composite Matting

Timber Matting

The matted crossing shall be installed as follows:

- Install floating turbidity barriers according to an approved SWPPP.
- Lay mats to maintain existing flow patterns
- Inspect mats at the end of each day to ensure that there's no blockage of flow in the event of overnight rains.

5.2.3.2 Bridge Crossings of Non-Navigable Waterbodies

A temporary equipment bridge is a structure that may be installed across a waterbody to provide a means for construction equipment to cross the stream while minimizing impacts to the channel bottom or banks. This construction technique is used to cross waterbodies with substantial flows (greater than 3 feet deep) that cannot be effectively matted. Temporary bridges will not be used to cross navigable waterbodies. Refer to Figure 18 for small bridges (less than 40 feet) and refer to Figure 19 for intermediate bridges (40 feet – 80 feet)

The bridge crossings shall be installed and operated as follows:

- Limit the use of equipment operating in and adjacent to the waterbody to that needed to install the temporary bridge at the crossing.
- Limit the number of trips and vehicles that cross the bridge to those that are essential to the safe construction of the transmission line.
- If practicable, construct crossings perpendicular to the axis of the waterbody.
- Design and maintain each equipment bridge to withstand the highest flows that would occur.
- Design and maintain equipment bridges to prevent soil from entering the waterbody.
- Remove temporary equipment bridges as soon as practicable.

5.3 Public Health / Safety

At GPC, the safety of all personnel on site is of utmost importance. GPC is committed to achieving and maintaining an injury free workplace for employees and employees of its contractors. Additionally, GPC is committed to protecting the health and safety of the public. GPC expects its contractors to be committed and responsible for the safety of their employees, their subcontractors and others who are on or near the job site. Contractors must review and adhere to stringent safety policies that are outlined in pertinent contract documents.

It is expected that all work on or in the vicinity of de-energized and energized facilities will be planned to a level of detail that ensures the safety of personnel and the public. Following energization of the transmission line, GPC will operate and maintain the line in accordance with established best practices and local, state & federal regulations.

To ensure the safety of the public during construction, GPC will:

- Actively seal off the areas of construction by using gates / locks / barriers
- Utilize dedicated, on-site staff to prohibit/regulate any public intrusion into each work area- especially during potentially hazardous operations
- Use guard structures when pulling conductor over roadways / railroads and navigable bodies of water; Final heights of the conductors will conform to USACE height clearances prescribed for Section 10 Waters
- Coordination with local officials as necessary

5.4 Protection of Water Quality

As stated in the sections above, water quality will be maintained by the use of turbidity and erosion control measures, through BMP's, and adherence to the attached Spill Control Plan (SCP) and SWPPP (to be created by the selected contractor and approved by GPC). Additionally, Florida Stormwater, Erosion and Sedimentation Control Inspector's Manual will serve as a guide in forming the BMP's.

- The SCP describes planning, prevention and control measures to minimize impacts resulting from spill off fuels, petroleum products, or other regulated substances. These measures will be implemented by the Contractor working on the Project.
- The SWPPP is a document, that identifies all of the activities and conditions at the site (overall project sites) that could cause water pollution, and details the steps GPC and the Contractors will take to prevent the discharge of any unpermitted pollution.

Additionally, the below BMP's will be implemented throughout the entire project:

- 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. Methods shall include, but are not limited to, the use of staked hay bales, water exclusion bladders, floating turbidity curtains, staked filter cloth, sodding, and seeding. Depending on site conditions at the time of construction, double layered erosion control protection measures or water exclusion bladders may be required to prevent turbid discharge.
- Waterbodies outside the specific limits of construction authorized by permits, must be protected from erosion, siltation, scouring and dewatering. There shall be no discharge in violation of state water quality standards. Turbidity/erosion controls shall be installed prior to clearing or excavation, shall be maintained until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background in Non-Outstanding Florida Water locations or 0 NTU' s above background in locations that are hydrologically connected to Outstanding Florida Waters. Turbidity Sampling will be completed as required by environmental permits
- Erosion control devices shall be maintained during all phases of construction until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.
- Environmental Inspectors will inspect the work site each day and report directly to the Construction Lead, and the EI will have the authority to stop activities that violate the environmental conditions within the issued Federal and State permits.
- Storage or stockpiling of tools and materials (i.e., lumber, pilings, debris,) along the shoreline, within the littoral zone, or elsewhere within other surface waters will not be allowed. All vegetative material and debris shall be removed to a self-contained upland disposal area with no stockpiling of debris within waterbodies.

5.5 Restoration of Shorelines

Native 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 waterbodies and adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the exposed sediments shall be established prior to removing turbidity barriers/erosion control devices. Additional restoration details can be found in Section 3.3 above. Site specific seed mixture recommendations will be obtained from NRCS or local IFAS Extension Office.

6. WETLAND CROSSINGS

The following section describes the construction procedures and best management practices that will be implemented during construction of the transmission line in wetlands. The intent of these procedures is to minimize the extent and duration of project related disturbances within wetlands.

6.1 Wetland Definition

Wetland – Delineated areas that meet the definition of a wetland pursuant to Chapter 62-340, FAC, and also including federally jurisdictional wetlands. Wetland areas have been delineated prior to construction and have been identified on impact maps submitted to both the FDEP and USACE.

6.2 Working In & Access Through Wetlands

Transmission line construction across wetlands may result in short term water quality impacts, which will be localized and fully contained within proper turbidity control devices. Mobilization of construction equipment will be performed in a manner that will minimize the potential for erosion and sedimentation within the wetland. Erosion control measures will be implemented to confine water quality impacts within the immediate construction area and to eliminate impacts to areas outside the contained work area. The length of the crossing, the sensitivity of the area, existing conditions at the time of the crossing, and permit requirements will determine the most appropriate measures to be used. As part of the SWPPP (to be developed by selected Contractor), maps indicating the locations of appropriate BMPs will be developed to reflect site specific conditions at a time closer to construction.

Access through wetlands will require the use of equipment with tracks or low ground pressure tires, the temporary placement of mats over wetland areas, or the lifting of equipment over the wetland areas into the sites. No dredging or filling, other than placement of temporary construction mats, will be used for access.

Temporary construction access mats may be used within the authorized construction corridor. If temporary mats are used, they shall be placed no more than 48 hours before access through the wetland area, and shall be removed within 48 hours of completion of construction in the wetland area in which they were used. Refer to Revised Figure 5- Wetland Impact Maps that are part of the Environmental Resource Permit application, for locations where matting is anticipated. Additionally, refer to Section 6.5 below for details on ground disturbance within the access areas, corridor and structure locations.

Composite Matting

Timber Matting

6.3 Public Health / Safety

At GPC, the safety of all personnel on site is of utmost importance. GPC is committed to achieving and maintaining an injury free workplace for employees and employees of its contractors. Additionally, GPC is committed to protecting the health and safety of the public. GPC expects its contractors to be committed and responsible for the safety of their employees, their subcontractors and others who are on or near the job site. Contractors must review and adhere to stringent safety policies that are outlined in pertinent contract documents.

It is expected that all work on or in the vicinity of de-energized and energized facilities will be planned to a level of detail that ensures the safety of personnel and the public. Following energization of the transmission line, GPC will operate and maintain the line in accordance with established best practices and local, state & federal regulations.

To ensure the safety of the public during construction, GPC will:

- Actively seal off the areas of construction by using gates / locks / barriers
- Utilize dedicated, on-site staff to prohibit/regulate any public intrusion into each work area- especially during potentially hazardous operations
- Use guard structures when pulling conductor over roadways / railroads and navigable bodies of water; Final heights of the conductors will conform to USACE height clearances prescribed for Section 10 Waters
- Coordination with local officials as necessary

6.4 Protection of Water Quality

As stated in the sections above, water quality will be maintained by the use of turbidity and erosion control measures, through BMP's, and adherence to the enclosed SCP and SWPPP (to be created by the selected contractor and approved by GPC).

- This SCP describes planning, prevention and control measures to minimize impacts resulting from spills of fuels, petroleum products, or other regulated substances. These measures will be implemented by the Contractor working on the Project.

- The SWPPP is a document, that identifies all of the activities and conditions at the site (overall project sites) that could cause water pollution, and details the steps GPC will take to prevent the discharge of any unpermitted pollution.

Additionally, the below BMP's will be implemented throughout the entire project:

- 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. Methods shall include, but are not limited to, the use of staked hay bales, water exclusion bladders, floating turbidity curtains, staked filter cloth, sodding, and seeding. Depending on site conditions at the time of construction, double layered erosion control protection measures or water exclusion bladders may be required to prevent turbid discharge.
- Wetlands outside the specific limits of construction authorized by permits, shall be protected from erosion, siltation, scouring and dewatering. There shall be no discharge in violation of state water quality standards. Turbidity/erosion controls shall be installed prior to clearing or excavation, shall be maintained until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background in Non-Outstanding Florida Water locations or 0 NTU' s above background in locations that are hydrologically connected to Outstanding Florida Waters. Turbidity Sampling will be completed as required by environmental permits
- Erosion control devices shall be maintained during all phases of construction until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.
- Environmental Inspectors will inspect the work site each day and report directly to the Construction Lead, and the EI will have the authority to stop activities that violate the environmental conditions within the issued Federal and State permits.
- Storage or stockpiling of tools and materials (i.e., lumber, pilings, debris,) within wetlands will not be allowed. All vegetative material and debris shall be removed to a self-contained upland disposal area with no stockpiling of debris within wetlands.

6.5 Clearing & Ground Disturbance

To minimize ground and soil disturbance in wetlands, the introduction of invasive plant species, and destruction of potential refugia for wildlife, clearing of forested and scrub/shrub vegetation within will be limited to mowing or cutting stumps to ground level without removing stumps or root balls from the ground. Stump removal within wetlands will be limited to only those areas necessary to install structures. Once vegetation is cut, there will be no stockpiling of debris within wetlands, and all cut vegetation will be removed to an approved upland location

6.6 Restoration of Wetlands

Native grass seed, or sod will be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of restoring any wetlands to pre-construction grades, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waterbodies and adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the exposed sediments shall be established prior

to removing turbidity barriers/erosion control devices. Additional restoration details can be found in Section 3.3 above.

7. SPILL CONTROL PLAN

The Contractor awarded the project will be responsible for adhering to a site specific Spill Control Plan. GPC will review and approve the SCP, which at a minimum will include the information detailed in Appendix D.

CONSTRUCTION COMMENCEMENT NOTICE

Instructions: In accordance with Chapter 62-330.350(1)(d), F.A.C., complete and submit this form at least 48 hours prior to commencement of activity authorized by permit.

Permit No. _____ Application No. _____

Project Name _____ Phase _____

Construction of the system authorized by the above referenced Environmental Resource Permit and Application, is expected to commence on _____ , 20 _____ and will have an estimated completion date of _____ , 20 _____

PLEASE NOTE: If the actual construction commencement date is not known within 30 days of issuance of the permit, District staff should be so notified in writing. As soon as a construction commencement date is known, the permittee shall submit a completed construction commencement notice form.

Permittee's or Authorized Agent's Signature _____ Company _____

Print Name _____ Title _____ Date _____

E-mail _____ Phone Number _____

As-Built Certification
And Request for Conversion to Operation Phase

Instructions: Complete and submit this page within 30 days of completion of the entire project, or any independent portion of the project, as required by the permit conditions. The operation phase of the permit is effective when the construction certification for the entire permit/application is approved by the Agency. If the final operation and maintenance entity is not the permittee, the permittee shall operate the project, system, works, or other activities temporarily until such time as the transfer to the operation entity is finalized (use Form 62-330.310(2)).

Permit No: Application No: Permittee:

Project Name: Phase or Independent Portion (if applicable):

I HEREBY CERTIFY THAT (please check only one box):

☐ To the best of my knowledge, information, and belief, construction of the project has been completed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached are documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.

☐ Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. Any deviations or independent phasing will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. (Contact the permitting agency to determine whether a modification of the permit will be required in accordance with Rule 62-330.315, F.A.C.) Attached is a description of substantial deviations, a set of as-built drawings, and documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.

☐ Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. There are substantial deviations that prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. I acknowledge that corrections to the project and/or a modification of the permit will likely be required, and that conversion to the operation phase cannot be approved at this time. As-built or record drawings reflecting the substantial deviations are attached.

For activities that require certification by a registered professional*:*

By: _____ (Print Name) (Fla. Lic. or Reg. No.)
Signature

(Company Name) (Company Address)

(Telephone Number) (Email Address)

AFFIX SEAL

(Date)

For activities that do not require certification by a registered professional:

By: _____ (Print Name)
Signature

(Company Name) (Company Address)

(Telephone Number) (Email Address) (Date)

Drawings and Information Checklist

Following is a list of information that is to be verified and/or submitted by the Registered Professional or Permittee:

1. All surveyed dimensions and elevations shall be certified by a registered Surveyor or Mapper under Chapter 472, F.S.

2. The registered professional's certification shall be based upon on-site observation of construction (scheduled and conducted by the registered professional of record or by a project representative under direct supervision) and review of as-built drawings, with field measurements and verification as needed, for the purpose of determining if the work was completed in accordance with original permitted construction plans, specifications, and conditions.

3. If submitted, the as-built drawings are to be based on the permitted construction drawings revised to reflect any substantial deviations made during construction. Both the original design and constructed condition must be clearly shown. The plans need to be clearly labeled as "as-built" or "record" drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. As required by law, all surveyed dimensions and elevations required shall be verified and signed, dated, and sealed by an appropriate registered professional. The following information, at a minimum, shall be verified on the as-built drawings, and supplemental documents if needed:

    a. Discharge structures - Locations, dimensions and elevations of all, including weirs, orifices, gates, pumps, pipes, and oil and grease skimmers;
    b. Detention/Retention Area(s) – Identification number, size in acres, side slopes (h:v), dimensions, elevations, contours, or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems,
    c. Side bank and underdrain filters, or exfiltration trenches - locations, dimensions, and elevations of all, including clean-outs, pipes, connections to control structures, and points of discharge to receiving waters;
    d. System grading - dimensions, elevations, contours, final grades, or cross-sections to determine contributing drainage areas, flow directions, and conveyance of runoff to the system discharge point(s);
    e. Conveyance - dimensions, elevations, contours, final grades, or cross-sections of systems utilized to divert off-site runoff around or through the new system;
    f. Benchmark(s) - location and description (minimum of one per major water control structure);
    g. Datum- All elevations should be referenced to a vertical datum clearly identified on the plans, preferably the same datum used in the permit plans.

4. Wetland mitigation or restoration areas - Show the plan view of all areas, depicting a spatial distribution of plantings conducted by zone (if plantings are required by permit), with a list showing all species planted in each zone, numbers of each species, sizes, date(s) planted, and identification of source of material; also provide the dimensions, elevations, contours, and representative cross-sections depicting the construction.

5. A map depicting the phase or independent portion of the project being certified, if all components of the project authorized in the permit are not being certified at this time.

6. Any additional information or outstanding submittals required by permit conditions or to document permit compliance, other than long-term monitoring or inspection requirements.

Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity

Instructions: Complete this form to transfer ~~to~~ the permit to the operation and maintenance entity. This form can be completed concurrently with, or within 30 days of approval of, the As-Built Certification and Request for Conversion to Operation Phase (Form 62-330.310(1)). Please include all documentation required under Section 12.2.1(b) of Applicant's Handbook Volume I (see checklist below). **Failure to submit the appropriate final documents will result in the permittee remaining liable for operation and maintenance of the permitted activities.**

Permit No.: Application No(s):

Project Name: Phase (if applicable):

A. Request to Transfer: The permittee requests that the permit be transferred to the legal entity responsible for operation and maintenance (O&M).

By: _____ _____
Signature of Permittee — Name and Title

_____ _____
Company Name — Company Address

_____ _____
Phone/email address — City, State, Zip

B. Agreement for System Operation and Maintenance Responsibility: The below-named legal entity agrees to operate and maintain the works or activities in compliance with all permit conditions and provisions of Chapter 62-330, Florida Administrative Code (F.A.C.) and Applicant's Handbook Volumes I and II.

The operation and maintenance entity does not need to sign this form if it is the same entity that was approved for operation and maintenance in the issued permit.

Authorization for any proposed modification to the permitted activities shall be applied for and obtained prior to conducting such modification.

By: _____ _____
Signature of Representative of O&M Entity — Name of Entity for O&M

_____ _____
Name and Title — Address

_____ _____
Email Address — City, State, Zip

_____ _____
Phone — Date

Enclosed are the following documents, as applicable:

☐ Copy of recorded transfer of title to the operating entity for the common areas on which the stormwater management system is located (unless dedicated by plat)
☐ Copy of all recorded plats
☐ Copy of recorded declaration of covenants and restrictions, amendments, and associated exhibits
☐ Copy of filed articles of incorporation (if filed before 1995)
☐ ~~A~~ Completed documentation that the operating entity meets the requirements of Section 12.3 of Environmental Resource Permit Applicant's Handbook Volume I. (Note: this is optional, but aids in processing of this request)

OPERATION AND MAINTENANCE INSPECTION CERTIFICATION

Instructions: Submit this form to the Agency within 30 days of completion of the inspection after any failure of a stormwater management system or deviation from the permit. This form may also be used to document inspections required under Section 12.4 of Applicant's Handbook Volume I, however submittal to the Agency is not required unless requested by the Agency.

Permit No.: _____ Application No.: _____ Date Issued: _____

Identification or Name of Stormwater Management System: _____

Phase of Stormwater Management System (if applicable): _____

Inspection Date: _____

Inspection results: (check all that apply)

☐ The undersigned hereby certifies that the works or activities are functioning in substantial conformance with the permit. This certification is based upon on-site observation of the system conducted by me or my designee under my direct supervision and my review of as-built plans.

☐ The following maintenance was conducted since the last inspection (attach additional pages if needed):

_____

☐ The undersigned hereby certifies that I or my designee under my direct supervision has inspected this surface water management system and the system does not appear to be functioning in substantial conformance with the permit. I am aware that maintenance or alteration is required to bring the system into substantial compliance with the terms and conditions of the permit. As appropriate, I have informed the owner of the following:

(a) The system does not appear to be functioning properly;
(b) That maintenance or repair is required to bring the system into compliance; and
(c) If maintenance or repair measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to approval by the agency below.

The following components of the system do not appear to be functioning properly (attach additional pages if needed):

_____

Any components of the constructed system that are not in substantial conformance with the permitted system shall require a written request to modify the permit in accordance with the provisions of Rule 62-330.315, F.A.C. If such modification request is not approved by the agency below, the components of the system that are not in conformance with the permit are subject to enforcement action under Sections 373.119, .129, .136, and .430, F.S.

Name of Inspector: _____ Florida Registration Number: _____

Company Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____ Email: _____

_____ _____

Signature of Inspector Date

Report Reviewed by Permittee:

Name of Permittee: _____

_____ _____

Signature of Permittee Date

_____

Title (if any)