



# FLORIDA DEPARTMENT OF Environmental Protection

Northeast District  
8800 Baymeadows Way West, Suite 100  
Jacksonville, Florida 32256

Rick Scott  
Governor  
Carlos Lopez-Cantera  
Lt. Governor  
Noah Valenstein  
Secretary

**Permittee:**

Andrew Sears  
JEA, Environmental Permitting & Assessments  
21 West Church Street  
Jacksonville, Florida 32202  
[searar@jea.com](mailto:searar@jea.com)

**Authorized Agent:**

Crystal Clark  
Stantec  
777 Harbour Island Boulevard, Suite 600  
Tampa, Florida 33602  
[crystal.clark@stantec.com](mailto:crystal.clark@stantec.com)

**JEA Switzerland Substation Expansion**

**Environmental Resource Permit**

**State-owned Submerged Lands Authorization – Not Applicable**

**U.S. Army Corps of Engineers Authorization – Not Approved**

**Permit No.: 55-0363667-001-EI**

**Permit Issuance Date: August 15, 2018**

**Permit Construction Phase Expiration Date: August 15, 2023**

## Environmental Resource Permit

**Permittee: Andrew Sears, JEA**  
**Permit No: 55-0363667-001-EI**

### PROJECT LOCATION

The activities authorized by this permit are located at 5145 Longleaf Pine Parkway (parcel ID 009810-0010), St. Johns, Florida 32259, in Section 9, Township 5S, Range 27E, at latitude 30° 4' 28.13" N / longitude -81° 36' 4.64" W in St. Johns County.

### PROJECT DESCRIPTION

The permittee is authorized to expand the existing JEA Switzerland Substation footprint by 0.23 acre in wetlands, which includes 0.03 acre of impervious area, and 0.20 acre of aggregate surface made of at least 4 inches deep of aggregate with 40% porosity. A 52 ft by 65 ft area within the aggregate yard will be curbed by concrete vertical curb and bedded with well-drained soil. This portion of the aggregate yard is designed to act as a dry retention pond to provide stormwater treatment and attenuation.

The site is within the landward extent of Big Slough, north of Trout Creek, a Class III waterbody, not located in an Outstanding Florida Waterbody, not located in an aquatic preserve.

To offset unavoidable impacts that will occur from these authorized activities, the permittee shall purchase forested freshwater mitigation bank credits in a FDEP approved mitigation bank. A Reservation Letter has been provided to DEP for 0.14 SJRWMD UMAM credits from the Town Branch Mitigation Bank (SJRWMD permit# 4-109-128671-1).

### AUTHORIZATIONS

#### **JEA Switzerland Substation Expansion**

##### 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

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

##### 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 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 USACOE 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 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 any construction or impacts authorized by this permit, the permittee shall provide the Department with documentation that 0.14 forested freshwater wetland credits have been deducted from the credit ledger of the Town Branch Mitigation Bank, SJRWMD permit number 4-109-128671-1.

2. 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**

3. This permit does not authorize the removal of any vegetation within the jurisdictional area. No dredging, filling, or other construction activity, including the removal of tree stumps and/or vegetative root masses, shall be conducted within the wetlands other than that performed within the specifically authorized work corridor.
4. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to wetlands shall be corrected by restoring pre-construction elevations as to maintain natural hydrology, drainage patterns, and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland areas.
5. There shall be no storage or stockpiling of tools, equipment, materials (e.g., lumber, pilings, riprap, and debris) within wetlands unless specifically approved in this permit. Any and all construction debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized by this permit.

#### **SPECIFIC CONDITIONS – CONSTRUCTION COMPLETION**

6. Upon completion of construction, the permittee shall submit to the Department of 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.
7. The plans must be clearly labeled as “as-built” or “record” drawings and shall consist of the permitted drawings that clearly highlight (by using “red lines” or “clouds”) any substantial deviations made during construction. The permittee shall be responsible for correcting the deviations, as well as verification certification using Form 62-330.310(1). If such deviations require modification of the permit under Rule 62-330.315, F.A.C., the permittee shall request permit modification, which must be issued prior to approving the request to convert.

#### **SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES**

8. 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 be in accordance with 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.

9. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:
  - a. Removal of trash and debris from the aggregate yard.
  - b. Inspection of station equipment for leakage of fuel or oil to the ground.

#### **GENERAL CONDITIONS FOR INDIVIDUAL PERMITS**

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

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management 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], which is incorporated by reference in paragraph 62-330.350(1)(d), F.A.C., 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. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.
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 Operational 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 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 12.3.3 of Volume I) as filed with the 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 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 any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work 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 notification shall be provided in accordance with Section 872.05, F.S.

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.

## **NOTICE OF RIGHTS**

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

### Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.201, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any email address, any facsimile number, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

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

### Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

### Extension of Time

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



applicable deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

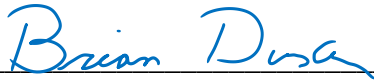
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when 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 Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Brian Durden  
Environmental Manager

BD:js:mm:kp

**Attachments:**

Construction Commencement Notice/Form 62-330.350(1)  
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)  
Stormwater 5-1-2018 Final Plans & maps, 4 pages  
Mitigation Reservation Letters, 2 pages

**Copies furnished to:**

Crystal Clark, Stantec, [crystal.clark@stantec.com](mailto:crystal.clark@stantec.com)  
Thomas Kallemeyn, FDEP NED  
Michelle Neeley, FDEP NED  
Brian Durden, FDEP NED  
Junhong Shi, PE, FDEP NED  
Arturo Aranda, FDEP NED  
Kim Pearce, FDEP NED

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on August 15, 2018, 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.

Mandakini Patel

Clerk

August 15, 2018

Date

---

# 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)

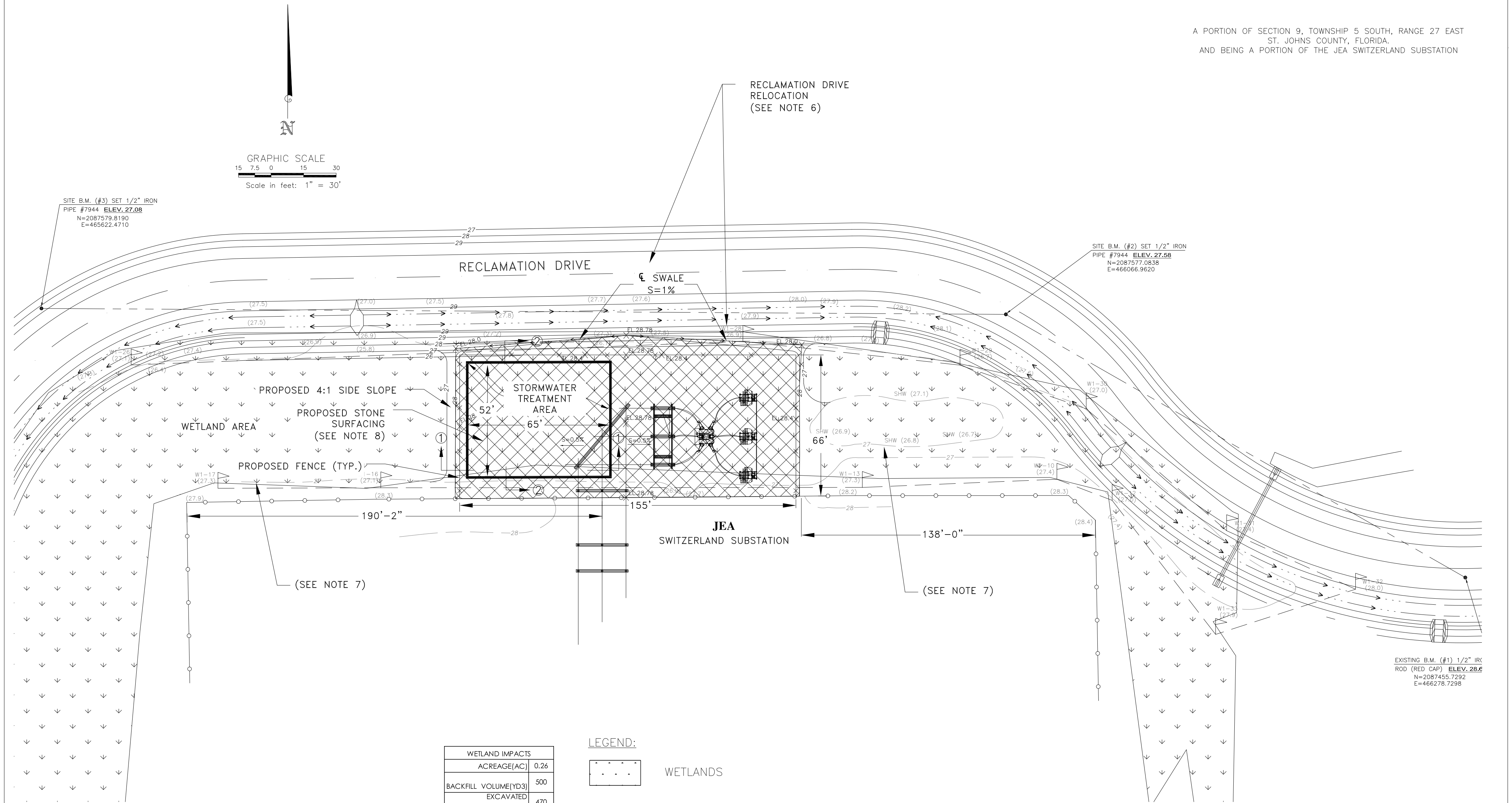


## Drawings and Information Checklist

**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.

A PORTION OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 27 EAST  
ST. JOHNS COUNTY, FLORIDA.  
AND BEING A PORTION OF THE JEA SWITZERLAND SUBSTATION



WETLAND IMPACTS	
ACREAGE(AC)	0.26
BACKFILL VOLUME(YD3)	500
EXCAVATED VOLUME(YD3)	470
CONCRETE VOLUME(YD3)	56
NEW IMPREVIOUS (SQFT)	882
NEW SUBSTATION AREA(SQFT)	10,230

- LEGEND:
- WETLANDS
  - WETLAND IMPACTS

GENERAL NOTES:


- THIS IS A TOPOGRAPHICAL SURVEY ONLY AND THEREFOR DOES NOT PURPORT TO BE A BOUNDARY SURVEY.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE ABSTRACT OR REPORT, THEREFOR THERE MAY BE ADDITIONAL MATTERS OF RECORD NOT SHOWN HEREON THAT MAY BE FOUND IN THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA.
- WETLAND FLAGS SHOWN HEREON WERE DELINEATED BY OTHERS.
- BEARINGS SHOWN HEREON ARE ESTABLISHED BY STATE PLANE COORDINATES AND ARE BASED ON NAD 83 (2012) FLORIDA EAST ZONE (0901).
- ALL ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88).
- RECLAMATION DRIVE RELOCATION DESIGN BY OTHERS.
- EXISTING CONTOURS INTERPOLATED FROM SPOT ELEVATIONS. CONTRACTOR TO VERIFY EXISTING ELEVATIONS AND SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
- PROPOSED STONE SURFACING PER JEA TECHNICAL SPECIFICATION—CIVIL SECTIONS 1.92, 1.14 AND 1.17.

REFERENCE DRAWINGS:

- ROAD PLAN IMPROVEMENTS PROVIDED BY:  
CH2MHILL JACKSONVILLE, FL 32256  
DWG:005-C-351 & 005-C-352
- SURVEY PROVIDED BY: JOHNSON SURVEYING & MAPPING, INC.  
10250 NORMANDY BLVD. SUITE 604  
JACKSONVILLE FLORIDA 32221  
CAD FILE: 08019.DWG

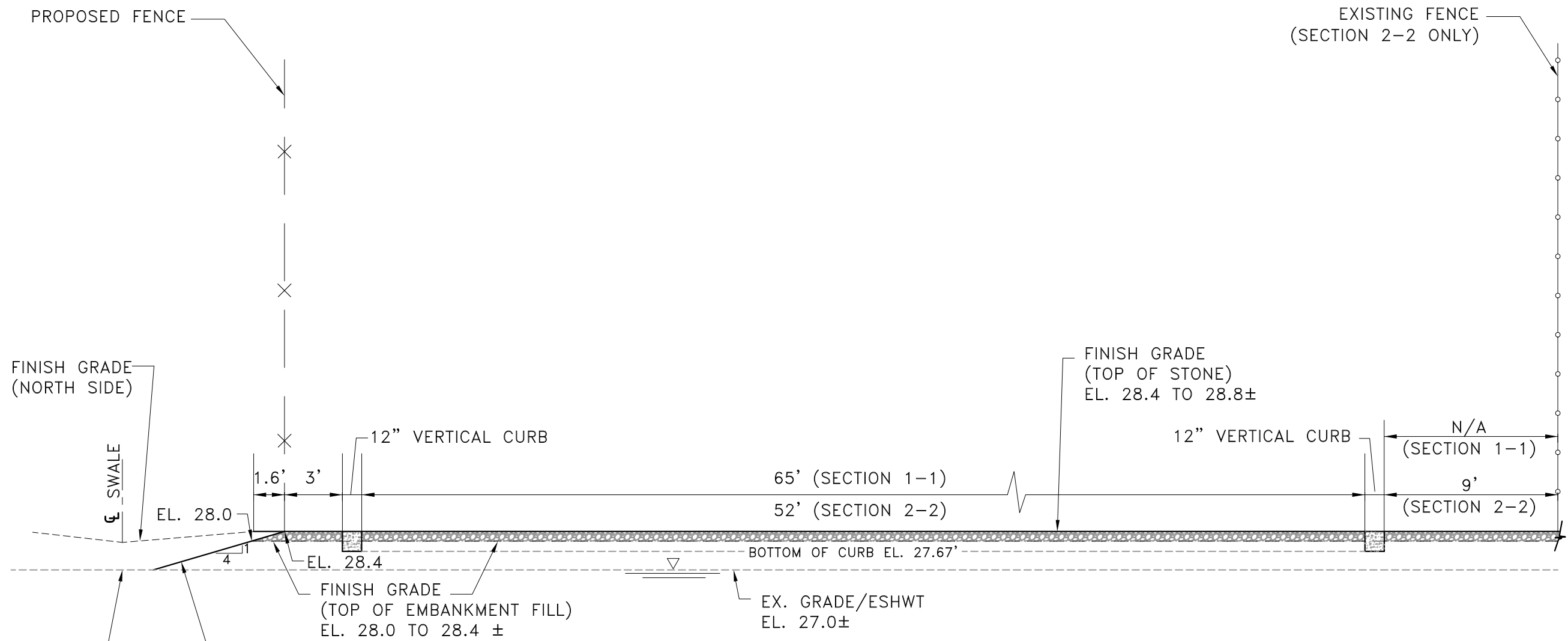
PRIMARY B.M.  
B.M.= SJC SURVEY BENCHMARK. BENCHMARK:1042. X-CUT IN EAST CORNER OF DROP INLET/STORM GRATE. X-CUT IS LOCATED ON NORTHWEST SIDE OF LONGLEAF PINE PARKWAY AT APPROXIMATE NORTH CORNER OF INTERSECTION OF LONGLEAF PINE PARKWAY AND AN ACCESS ROAD. SAID ACCESS ROAD RUNS EASTERLY TO AN ELECTRIC TRANSFER STATION; 31.2± NORTHWEST OF CENTER LINE OF LONGLEAF PINE PARKWAY, 52.5'± NORTHEAST OF CENTER LINE CONCRETE ACCESS ROAD AND 1.05± MILES NORTHERLY OF ROBERTS ROAD.

ELEVATION IS 31.25 NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)



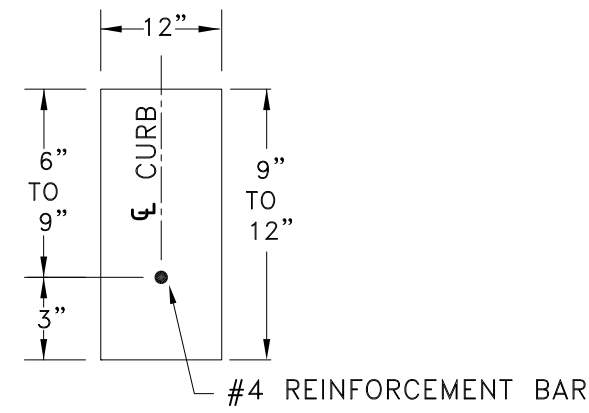
4/18 DATE	V: H: NA 30 SCALE	DISTRIBUTION ENGINEERING
CMM DRAWN	STN TECH	JEA SWITZERLAND SUBSTATION EXPANSION
STN CHECK	MR ENGR	
1 OF SHEET	1	DWG. SWITZERLAND



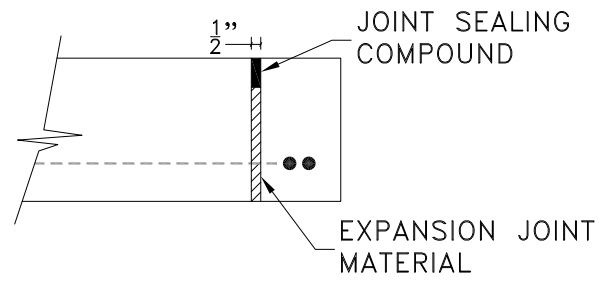


**SECTION 1-1**  
(LOOKING NORTH)

**SECTION 2-2**  
(LOOKING EAST)  
N.T.S.



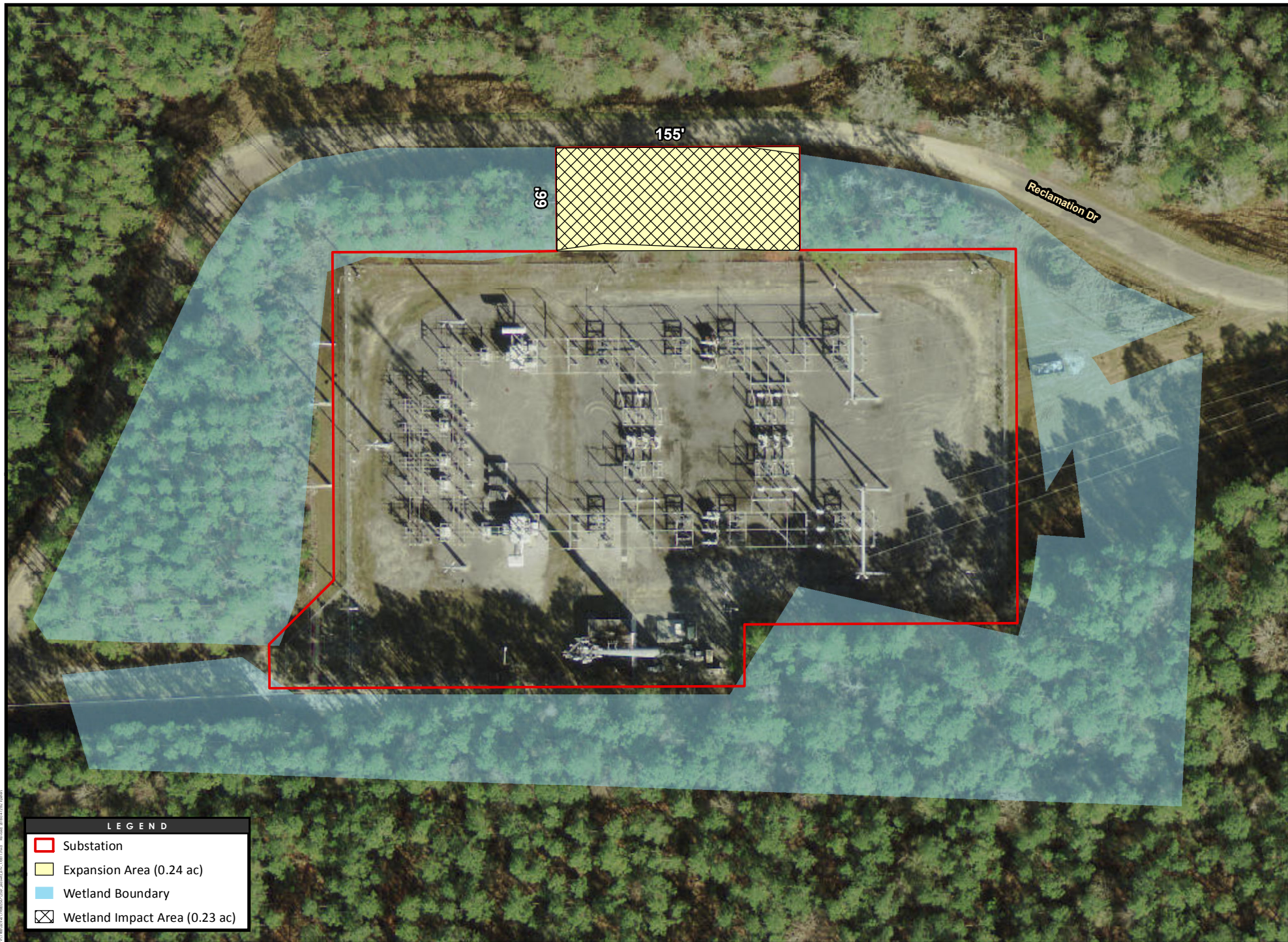
**VERTICAL CURB DETAIL**  
N.T.S.







**EXPANSION JOINT DETAIL**  
(ELEVATION VIEW)  
N.T.S.

- NOTES:
1. ALL FILL/EMBANKMENT MATERIAL BELOW THE STONE TOP COURSE AND WITHIN THE CONFINES OF THE STORMWATER TREATMENT AREA SHALL BE CLASSIFIED IN THE A-3 GROUP AS SPECIFIED IN AASHTO M145 WITH LESS THAN 5% FINES.
  2. STONE SURFACE MATERIAL SHALL HAVE A POROSITY OF 0.40 (40%)





LEGEND

-  Substation
-  Expansion Area (0.24 ac)
-  Wetland Boundary
-  Wetland Impact Area (0.23 ac)



Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

JEA - Switzerland Substation Expansion

Wetland Impact Location Map

April 2018

Stantec Consulting Services Inc.  
300 Primavera Blvd, Suite 300  
Lake Mary, FL 32746  
tel 407.710.3364  
fax 407.585.0158



0 40 80 Feet

Revised:  
Amended: 12/01/2018  
Wetlands: Stantec, 2017





Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

## JEA - Switzerland Substation Expansion

Project Location Map  
November 2017

Stantec Consulting Services Inc.  
300 Primera Blvd, Suite 300  
Lake Mary, FL 32746  
tel 407.710.3364  
fax 407.585.0158



0 1,350 2,700 5,400 Feet

References:  
Aerials: ESRI, 2013  
Study Area: Stantec, estimated

**MITIGATION CREDIT RESERVATION  
FOR  
TOWN BRANCH MITIGATION BANK**  
SJRWMD Permit # 4-109-128671-1  
USACOE Permit # SAJ-2011-02710  
Basin 5

July 26, 2018

Mr. Andrew Sears  
JEA  
21 West Church Street  
Jacksonville, FL 32202

Re: FDEP Application # 0636667  
USACOE Permit # NA

This letter is to acknowledge that 0.14 SJRWMD UMAM and 0 USACOE mitigation bank credits will be reserved for a period of 180 days for JEA for use to offset wetland impacts at Electric Substation. The land in the mitigation bank will consist of forested fresh water wetlands.

Payment is due within 10 days of receipt of permits and upon receipt of payment for the wetland mitigation credits, then Town Branch Wetland Mitigation Bank will send confirmation of sale to purchaser. In addition, upon issuance of the permit for the project named above, the credits will be withdrawn from the Town Branch Mitigation Bank ledger.



Ernest Hale  
Sales Agent