



# FLORIDA DEPARTMENT OF Environmental Protection

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Noah Valenstein**  
Secretary

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

**Permittee:**

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**JEA Rivertown WTP Well Sites 2 & 3**

**Environmental Resource Permit**

State-owned Submerged Lands Authorization – Not Applicable  
U.S. Army Corps of Engineers Authorization – Separate Corps Authorization Required

**Duval County**  
**Permit No.: 55-0388287-001-EI**

**Permit Issuance Date: September 28, 2020**  
**Permit Construction Phase Expiration Date: September 28, 2025**

## Environmental Resource Permit

**Permittee: JEA**  
**Permit No: 55-0388287-001-EI**

### PROJECT LOCATION

The activities authorized by this permit are located on either side of entrance to 7399 Longleaf Pine Parkway (Well 2 on parcel 001330-0000 and Well 3 on parcel 000700-0000), St. Johns, Florida 32259, in Section 39, Township 5S, Range 27E at lat 30° 2' 53.08" N / long -81° 36' 51.18" W for Well 2, and lat 30° 2' 38.60" N / long -81° 36' 51.61" W for Well 3, in St. Johns County.

### PROJECT DESCRIPTION

The permittee is authorized to construct two stormwater management systems to serve two new well sites (Well Sites No. 2 and No. 3) which will supply raw water to the future JEA Rivertown Water Treatment Plant. Each well site consists of a paved access driveway, a concrete pad necessary for the wellhead assembly and electrical equipment, and a stormwater management system. Stormwater runoff will be collected via site grading and piping to a dry retention basin for treatment prior to discharge. In addition to the well sites, the project includes construction of a 390-ft long and 12-ft wide gravel access road to connect the Well Site No. 3 to Longleaf Pine Parkway.

Those activities will create 0.28 ac permanent wetland impacts at Well Site 2 and 0.06 ac permanent wetland impacts at Well Site 3 within the landward extent of unnamed wetlands connected to Orange Grove Branch and Kendall Creek, respectively, which are tributaries of the St. Johns River, a Class III Florida waterbody. Authorized activities are depicted on the attached exhibits.

To offset unavoidable impacts that will occur from these authorized activities, the permittee shall purchase 0.26 forested freshwater UMAM credits from the Loblolly Mitigation Bank, SJRWMD permit# 4-031-84706-6.

### AUTHORIZATIONS

#### **JEA Rivertown WTP Well Sites 2 & 3**

##### 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. The permittee must acquire legal ownership or legal control of all project areas as delineated in the permitted construction drawings.

2. **Prior to** any construction or impacts authorized by this permit, the permittee shall provide the Department with an **Allocation Letter** documenting that 0.26 forested freshwater mitigation credits have been deducted from the credit ledger of the Loblolly Mitigation Bank, SJRWMD permit# 4-031-84706-6.

3. 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**

4. 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.

5. 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.

6. 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.

7. 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.

8. The project shall comply with applicable State Water Quality Standards, namely:  
a. Surface Waters, Minimum Criteria, General Criteria – Rule 62-302.500, F.A.C.  
b. Class III Waters – Recreation, Propagation and Maintenance of a Healthy, Well-Balanced Population of Fish and Wildlife. – Rule 62-302.400, F.A.C.

9. There shall be no storage or stockpiling of tools, equipment, materials (e.g., lumber, pilings, riprap, and debris) within wetlands, along the shoreline within the littoral zone, or elsewhere within waters of the state 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.



10. 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 resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

#### **SPECIFIC CONDITIONS – MITIGATION**

11. Prior to any construction or impacts authorized by this permit, the permittee shall provide the Department with an Allocation Letter documenting that 0.26 forested freshwater mitigation credits have been deducted from the credit ledger of the Loblolly Mitigation Bank, SJRWMD permit# 4-031-84706-6.

#### **SPECIFIC CONDITIONS – OTHER LISTED SPECIES**

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

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

13. 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.

14. A registered professional shall perform inspections every five 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".

15. The permittee shall conduct periodic inspections in addition to the above professional 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.

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

- a. Removal of trash, debris and sediments from dry retention basins.
- b. Mowing and removal of clippings from the basins.
- c. Stabilization and restoration of eroded areas and slopes
- d. Maintenance of overland flow areas to prevent channelization

#### **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 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 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 resources 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**

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 Rules 28-106.201 and 28-106.301, 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 e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; 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 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, or via electronic correspondence at [Agency\\_Clerk@dep.state.fl.us](mailto:Agency_Clerk@dep.state.fl.us). 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 and persons entitled to written notice under Section 120.60(3), F.S., 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. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

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. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

#### 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, or via electronic correspondence at [Agency\\_Clerk@dep.state.fl.us](mailto:Agency_Clerk@dep.state.fl.us), before the 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 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



Thomas G. Kallemeyn  
Permitting Program Administrator

TGK:js:kp:cc

**Attachments:**

Mitigation Reservation Letter  
Construction Commencement Notice/Form 62-330.350(1)  
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)  
Operation and Maintenance Inspection Certification/Form 62-330.311(1)  
Final Design Plans and Access Road Final Plans, signed & sealed, 14 pages

**Copies furnished to:**

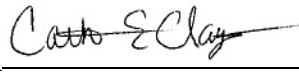
Brandon Faustini, The NDN Companies, [BFaustini@thendncompanies.com](mailto:BFaustini@thendncompanies.com)  
Tom Kallemeyn, FDEP NED  
Michelle Neeley, FDEP NED  
Junhong Shi, P.E., FDEP NED  
Kim Pearce, FDEP NED

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on September 28, 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

September 28, 2020  
Date



**MITIGATION CREDIT RESERVATION  
FOR  
LOBLOLLY MITIGATION BANK  
SJRWMD Permit # 4-031-84706-6  
USACOE Permit # SAJ-2002-07493**

August 25, 2020

Mr. Andrew Sears  
JEA  
21 W Church St  
Jacksonville, FL 32202

Mitigation Review Team  
Regulatory Division  
U.S. Army Corps of Engineers  
P.O. Box 4970  
Jacksonville, Florida 32232-0019

Re: FDEP Permit # 55-0388287-001-EI  
USACOE Permit # SAJ-2020-01108

This is to certify that 0.26 UMAM SJRWMD and 0.24 WRAP USACOE mitigation bank credits will be reserved for a period of 180 days for JEA for use to offset wetland impacts at Rivertown WTP. The land in the mitigation bank will consist of forested fresh water wetlands.

Payment is due 30 days prior to starting construction, upon receipt of payment for the wetland mitigation credits, then Loblolly 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 Loblolly Mitigation Bank ledger.

  
Ernest Hale  
Sales Agent

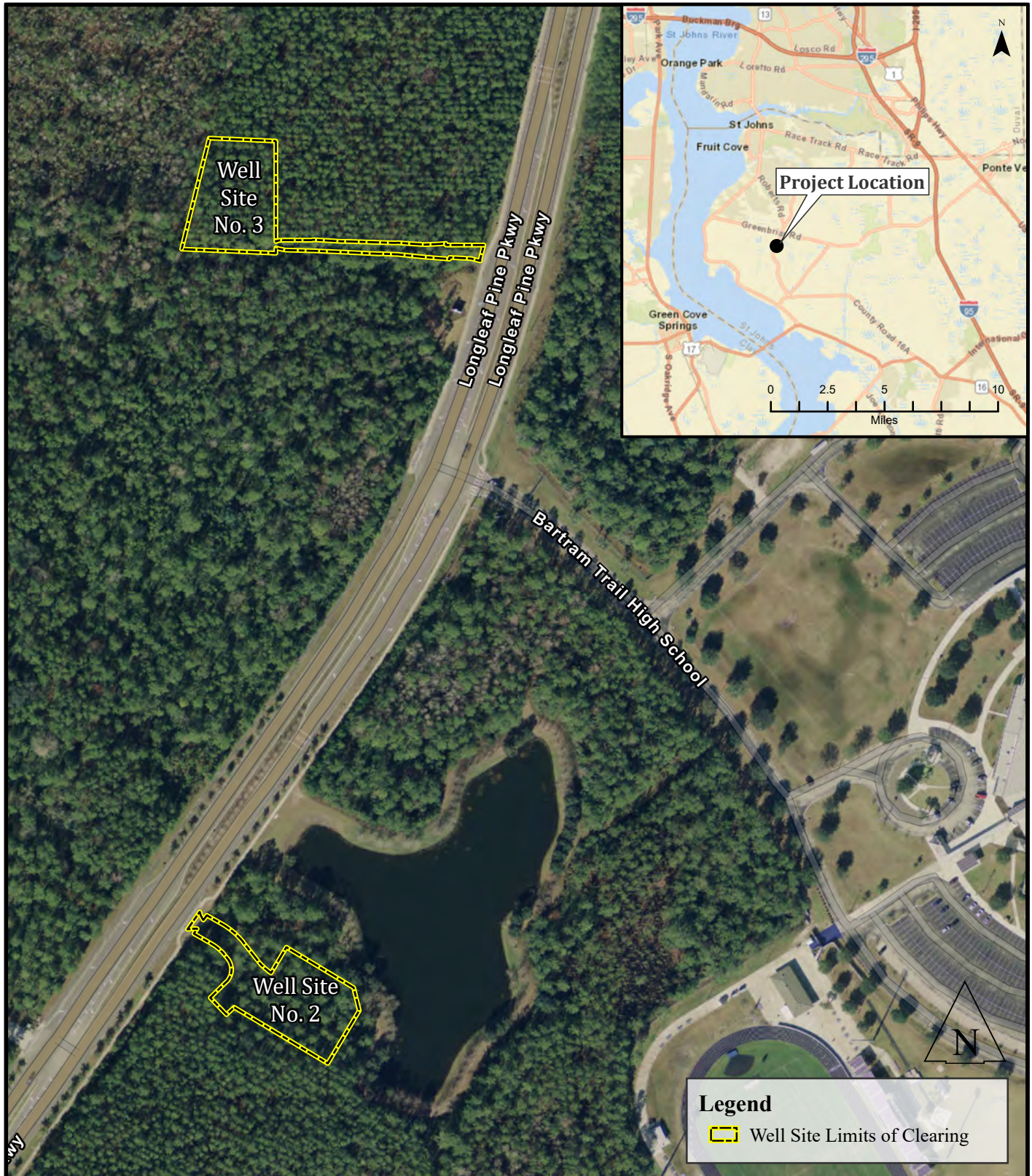


Figure Number:	1	<b>Site Location Map</b>  JEA Rivertown Longleaf Pine Parkway St Johns, FL 32259	 <b>THE NDN COMPANIES</b>
Source:	ESRI Basemap		
Date:	May 2020		
Scale:	1:3,000		



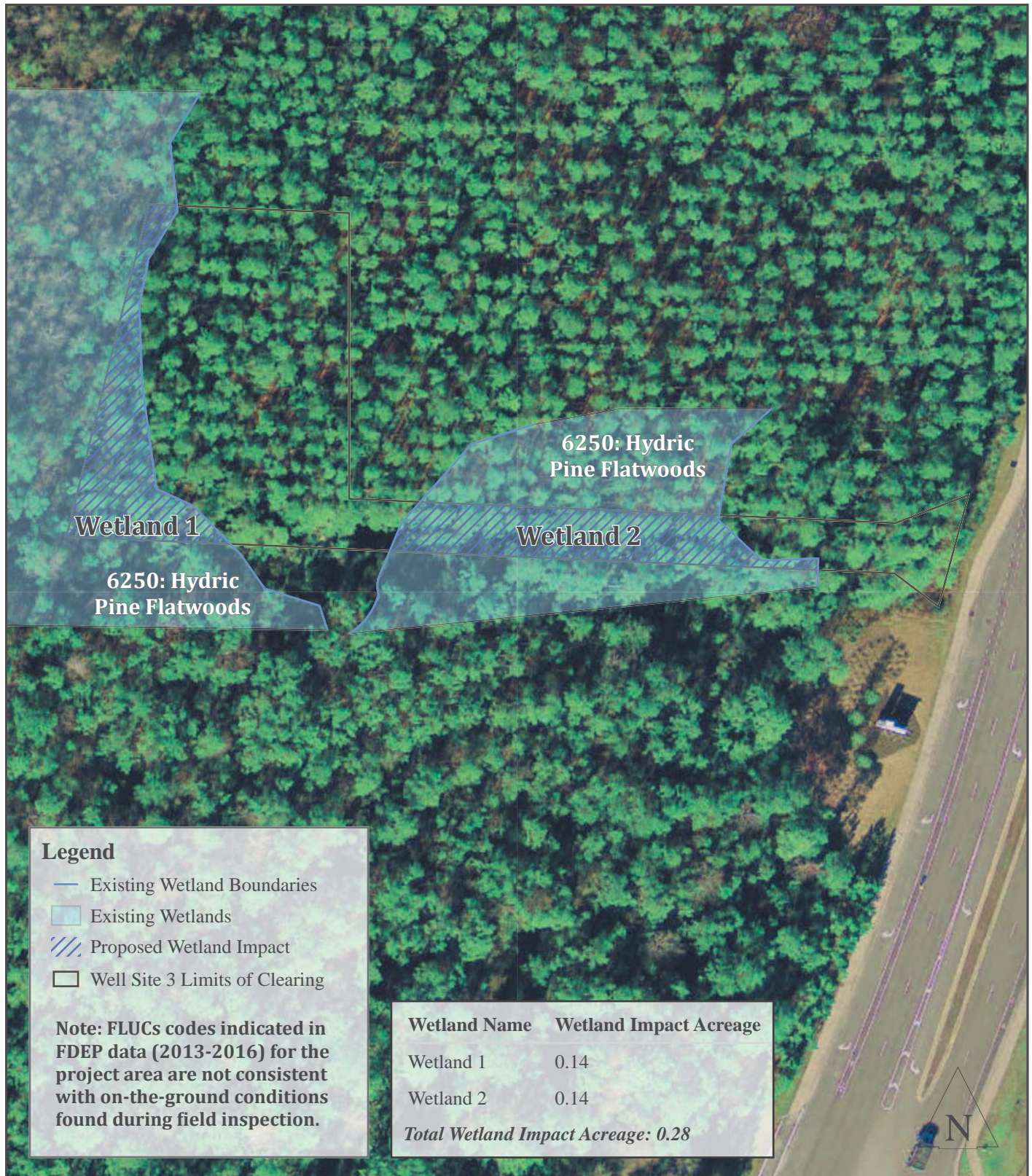
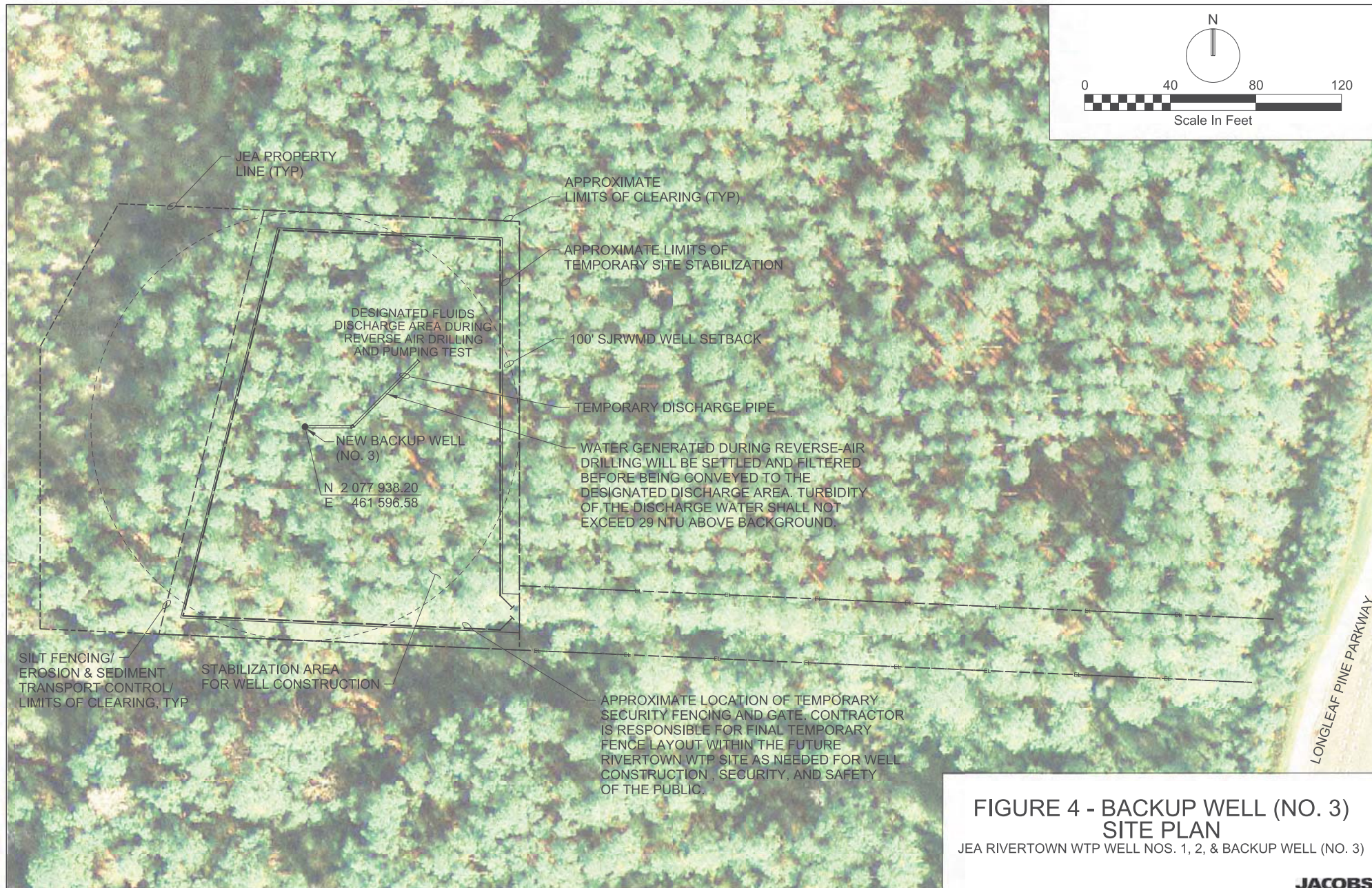


Figure Number:	4	<b>Delineated Wetlands Map</b>  JEA Rivertown Longleaf Pine Parkway St Johns, FL 32259	
Source:	ESRI Basemap		
Date:	June 2020		
Scale:	1:1,000		







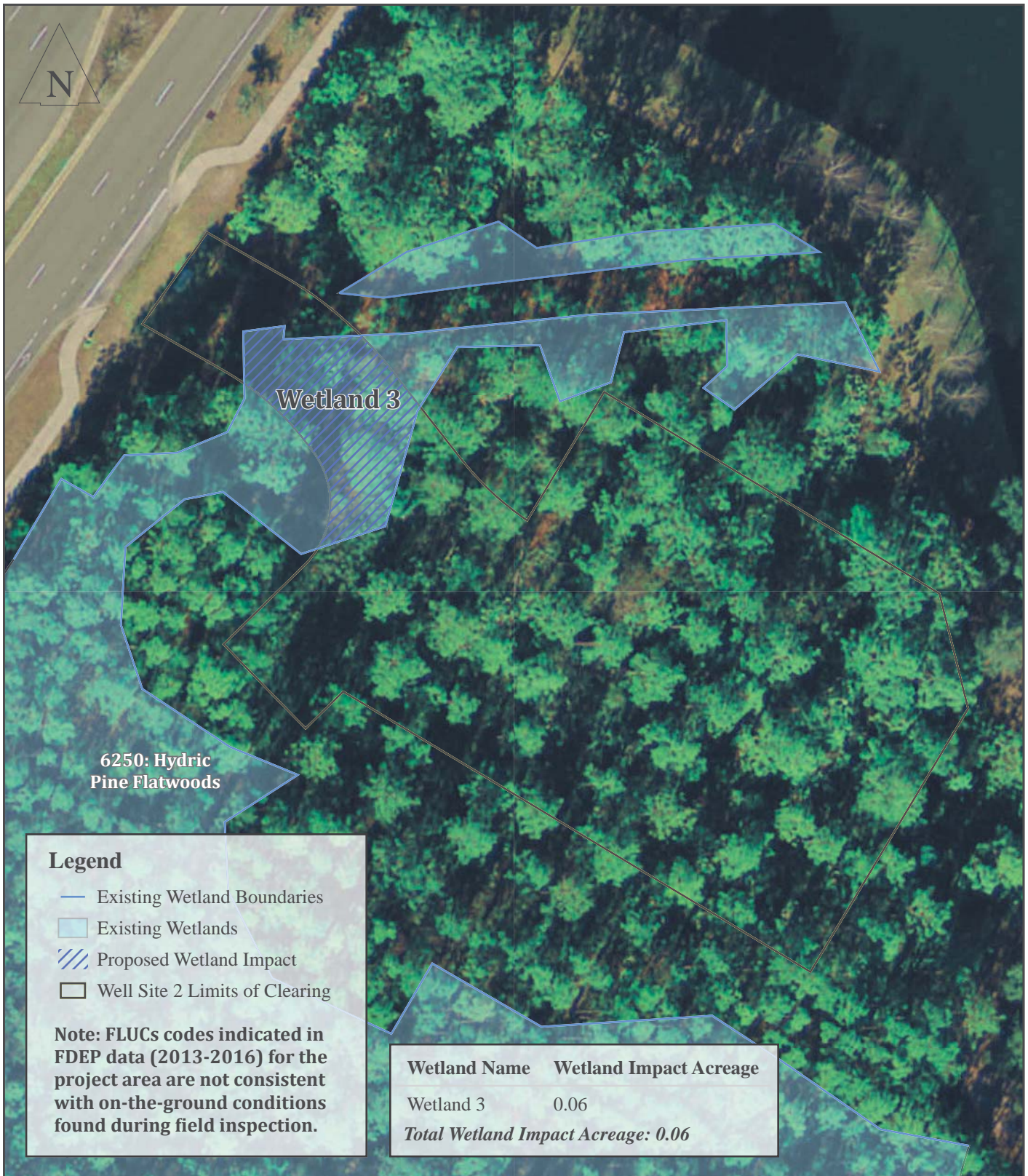
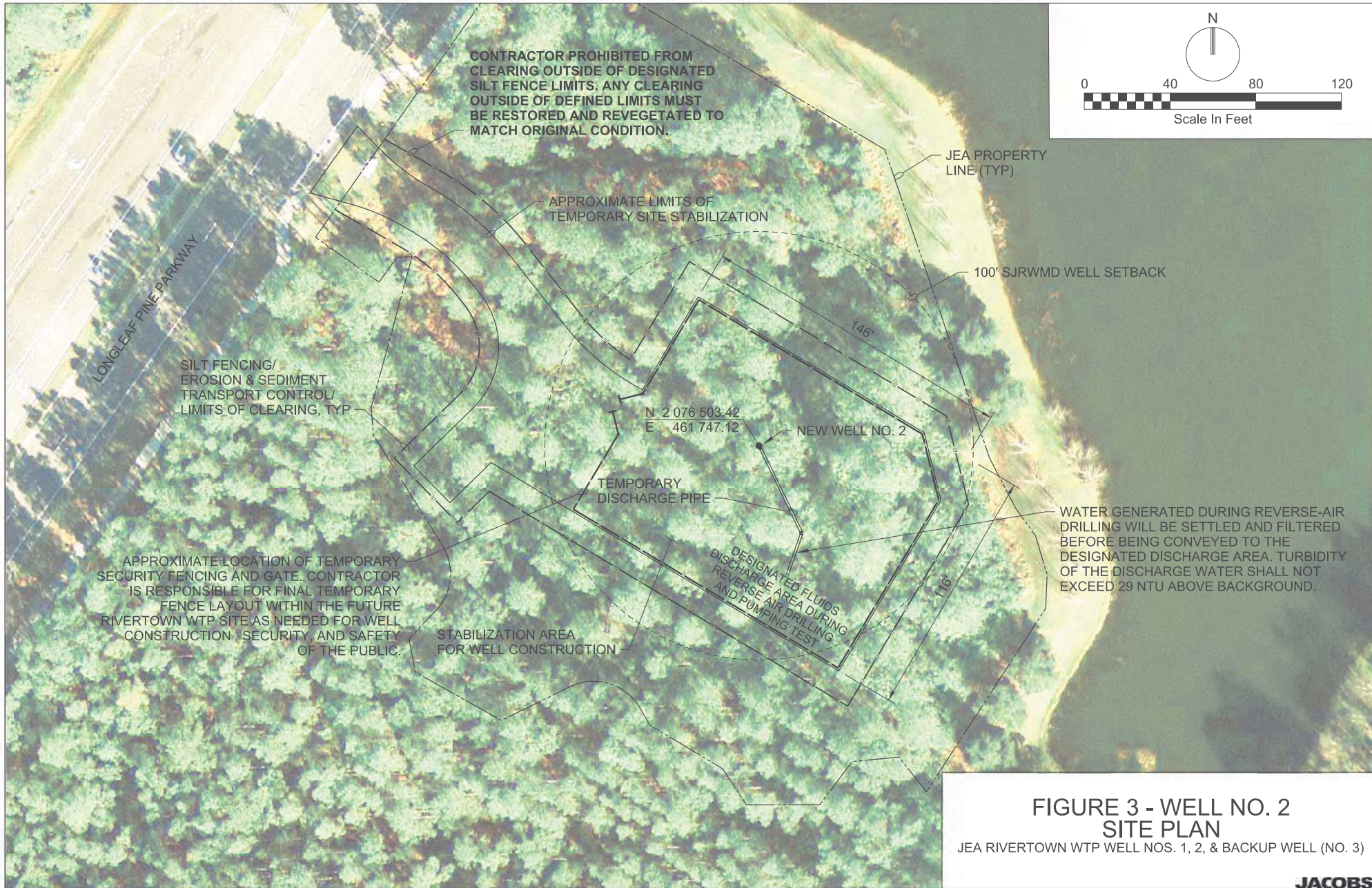


Figure Number:	4	<b>Delineated Wetlands Map</b>  JEA Rivertown Longleaf Pine Parkway St Johns, FL 32259	 <b>THE NDN COMPANIES</b>
Source:	ESRI Basemap		
Date:	June 2020		
Scale:	1:600		





---

# 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.

---

# OPERATION AND MAINTENANCE INSPECTION CERTIFICATION

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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:

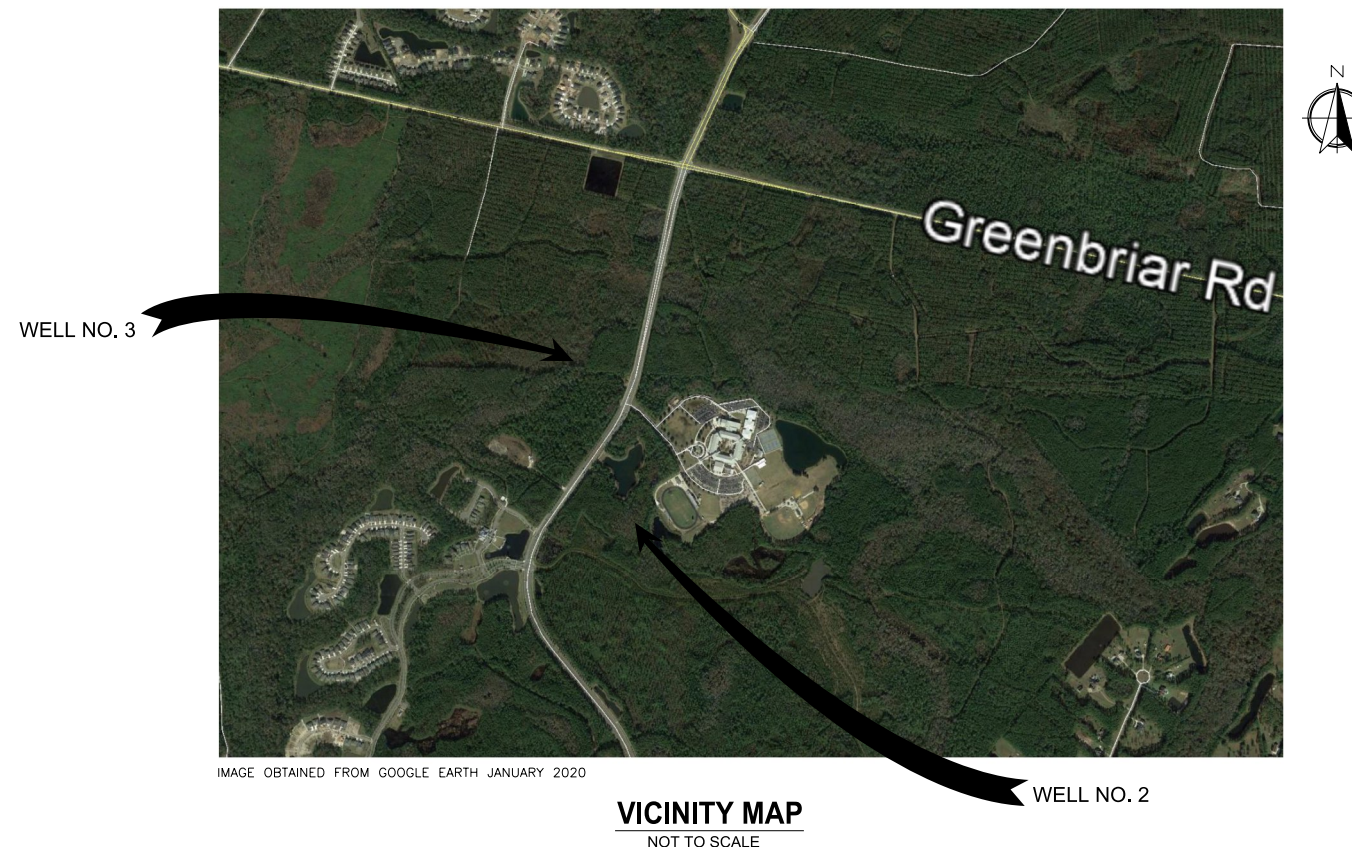
Name of Permittee: \_\_\_\_\_

\_\_\_\_\_  
Signature of Permittee Date

\_\_\_\_\_  
Title (if any)

# CONSTRUCTION DRAWINGS FOR RIVERTOWN WATER TREATMENT PLANT WELL NO. 2 AND BACKUP WELL (NO. 3) VOLUME IV - WELLHEAD MECHANICAL AND FACILITIES

JEA PROJ NO.: 8003981



PREPARED BY:

**CDM  
Smith**

4651 Salisbury Road, Suite 420  
Jacksonville, FL 32256  
Tel: (904) 731-7109  
FL COA No. EB-0000020  
PROJECT NO. 6103-229758

**JEA** sm  
Building Community sm

**JACOBS**®

245 Riverside Ave, Suite 300  
Jacksonville, FL 32202  
Tel: (904) 636-5432  
EB0000072 AAC001992 LC26000188  
PROJECT NUMBER: D3270100

ISSUE FOR PERMIT  
JUNE 2020

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INDEX TO DRAWINGS

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
GENERAL		
1	G-1	COVER SHEET AND VICINITY & LOCATION MAP
2	G-2	INDEX TO DRAWINGS
3	G-3	CIVIL AND YARD PIPING LEGEND AND GENERAL NOTES

RIVERTOWN WTP WELLHEAD NO. 2

4	2-C-1	CIVIL AND ELECTRICAL - WELLHEAD NO. 2 SITE PLAN
---	-------	---

RIVERTOWN WTP BACKUP WELLHEAD NO. 3

5	3-C-1	CIVIL AND ELECTRICAL - BACKUP WELLHEAD NO. 3 SITE PLAN
---	-------	--

DETAILS

6	CD-1	CIVIL DETAILS
7	CD-2	CIVIL DETAILS
8	CD-5	CIVIL SECTIONS

Richard Thomas Morrison, State of Florida,  
Professional Engineer, License No. 67713

This item has been digitally signed and sealed  
by Richard Thomas Morrison, PE, on the date  
indicated here.

Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies

					DESIGNED BY: L GUNN
					DRAWN BY: N PATTERSON
					SHEET CHK'D BY: R MORRISON
					CROSS CHK'D BY:
					APPROVED BY: R MORRISON
REV. NO.	DATE	DRWN	CHKD		DATE: JUNE 2020
					REMARKS

PLOT DATE: 7/27/2020

PLOT TIME: 7:36:54 AM



4651 Salisbury Road, Suite 420  
Jacksonville, FL 32256  
Tel: (904) 731-7109  
FL CCA No. EB-0000020



245 RIVERSIDE AVE, SUITE 300  
JACKSONVILLE, FLORIDA 32202  
EB0000072 AAC001992 LC26000188

JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

GENERAL

INDEX TO DRAWINGS

DATE: 06/2020  
RICHARD THOMAS MORRISON  
PE NO. 67713

PROJECT NO. 6103-237938  
JACOBS FILE NAME:  
STO-G-002\_D3270100.dgn

SHEET NO.

G-2

ISSUE FOR PERMIT

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SURVEY AND LOCATE DATA:

- 1. ELEVATIONS ARE BASED ON N.A.V.D. 88.
- 2. EXISTING WATER AND SEWER LINES ARE SHOWN AS PER FIELD LOCATES AND ROADWAY AND SUBDIVISION AS BUILT PLANS.
- 3. BENCHMARK DATA:  
SEE EXISTING SURVEY FOR APPLICABLE BENCHMARK LOCATIONS AND DATA.

PERMIT REQUIREMENTS (NOT ALL INCLUSIVE):

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CONSUMPTIVE USE PERMIT (C.U.P.) THROUGH THE ST. JOHNS WATER MANAGEMENT DISTRICT SHOULD DEWATERING ACTIVITIES BE REQUIRED.
- 2. THE FDP, SJRWMD, JEA AND ST JOHNS COUNTY ARE TO BE NOTIFIED IN ADVANCE OF CONSTRUCTION PER THEIR RESPECTIVE PERMIT CONDITIONS, THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL ALL ENVIRONMENTAL PERMITS HAVE BEEN ISSUED.
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH BID DOCUMENTS, JEA WATER AND SEWER STANDARDS, DETAILS AND MATERIALS MANUAL, LATEST EDITION, AND ST JOHNS COUNTY STANDARDS AND DETAILS MANUAL, LATEST EDITION, AND ALL APPLICABLE STATE AND LOCAL REGULATIONS.
- 4. THE CONTRACTOR SHALL NOTIFY APPLICABLE UTILITY CONTACT PERSONNEL NOT LESS THAN ONE WEEK PRIOR TO CONSTRUCTION OF FACILITIES IN THEIR RESPECTIVE AREAS.
- 5. THE CONTRACTOR SHALL LOCATE THE DRAINAGE INLET STRUCTURES IN THE PROJECT AREA AND ERECT SEDIMENTATION CONTROL DEVICES AS NECESSARY PER THE ST JOHNS COUNTY, FDOT, AND FDP REQUIREMENTS.
- 6. CONTRACTOR TO COORDINATE WORK WITH OTHER UTILITIES DURING CONSTRUCTION.
- 7. SJRWMD ERP PERMIT AND ARMY CORPS OF ENGINEERS 404 PERMIT/NATIONWIDE PERMIT (TBD) TO BE ACQUIRED PRIOR TO COMMENCEMENT OF WORK WITHIN WETLANDS.

RESTORATION NOTES:

- 1. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, TO REFERENCE AND RESTORE PROPERTY CORNERS AND LANDMARKS WHICH MAY BE DISTURBED BY CONSTRUCTION.
- 2. THE CONTRACTOR SHALL RESTORE/REPLACE ALL CULVERTS, HEADWALLS AND STORM DRAIN INLETS REMOVED OR DISTURBED BY THE CONSTRUCTION OPERATION.

UTILITY CONTACTS:

A. AT&T - GENERAL NUMBER	904-519-2529
B. AT&T - ADAM DUGAN - NORTH DISTRICT	904-781-0741
C. AT&T - BILL LAKE - SOUTH DISTRICT	904-303-8754
D. ST JOHNS COUNTY - ENGINEERING	904-209-0110
E. ST JOHNS COUNTY - ROAD AND BRIDGE	904-209-0246
F. FLORIDA DEPT. OF TRANSPORTATION	904-360-5200
G. JEA - WATER COLLECTION & DISTRIBUTION	904-665-8484
H. JEA - SEWER COLLECTION & DISTRIBUTION - JOSH PARKER	904-665-6052
I. JEA - GENERAL INFORMATION	904-665-6000
J. JEA - PROJECT OUTREACH	904-665-7500
K. JEA - POWER OUTAGES	904-665-6000
L. JEA - SEWER PROBLEMS	904-665-4802
M. JEA - WATER PROBLEMS	904-665-4801
N. JEA - WATER & SEWER LOCATES	904-665-8410
O. ST JOHNS COUNTY UTILITY DEPT.	904-209-2700
P. SUNSHINE ONE CALL	811

EXISTING UTILITY PROTECTION:

- 1. IN ORDER TO REDUCE THE DISRUPTION AND COST OF UTILITY DAMAGES OCCURRING IN THE ST JOHNS COUNTY RIGHT-OF-WAY AND EASEMENTS, THE CONTRACTOR SHALL PREVENT DAMAGES TO EXISTING UTILITIES CAUSED BY HIS WORK THROUGH FIELD VERIFICATION OF THE LOCATION OF THE EXISTING UTILITIES. IN THE CASE OF OPEN EXCAVATION, VERIFICATION MAY BE PERFORMED DURING THE CONTRACTORS WORK. IN THE CASE OF DIRECTIONAL DRILLING, VERIFICATION SHALL TAKE PLACE PRIOR TO MOBILIZATION OF THE DRILLING EQUIPMENT.
- 2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES AS NEEDED TO AVOID CONTACT. EXISTING UTILITIES SHALL BE EXPOSED USING DETECTION EQUIPMENT OR OTHER ACCEPTABLE MEANS, SUCH METHODS MAY INCLUDE BUT SHALL NOT BE LIMITED TO "SOFT DIG" EQUIPMENT AND GROUND PENETRATING RADAR (GPR). THE EXCAVATOR SHALL BE HELD LIABLE FOR DAMAGES CAUSED TO THE CITY'S/JEA'S INFRASTRUCTURE AND THE EXISTING FACILITIES OF OTHER UTILITY COMPANIES.
- 3. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW GROUND SURFACE. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CIVIL LEGEND

	EXISTING	PROPOSED
RIGHT OF WAY LINE	---	---
CENTER LINE	---	---
LIMITS OF CONSTRUCTION	---	---
FENCE (HEIGHT & MAT'L INDICATED)	6' CHAIN LINK	6' CHAIN LINK
FLOW DIRECTION	D	D
DRAIN PIPE	D	D
CATCH BASIN		
STORM DRAIN GRATE		
WATER MAIN SIZE, TYPE INDICATED		
WATER MAIN (IN CASE 10 TRENCH) SIZE, TYPE INDICATED		
GRAVITY OR SANITARY SEWER SIZE, TYPE INDICATED	S	S
STORM DRAIN	SD	SD
SEWER FORCE MAIN SIZE, TYPE INDICATED	FM	FM
LINE VALVE		
CHECK VALVE		
FIRE HYDRANT		
VALVE (TYPE INDICATED)		
END CAP		
PLUG (AT END OF LINE)		
REDUCER		
FIRE HYDRANT		
DOUBLE CHECK VALVE ASSEMBLY		
MANHOLE - TYPE (IF INDICATED) E - ELECTRIC S - SANITARY D - STORM T - TELEPHONE		MH1
CLEAN OUT SPRINKLER HEAD		
TEMPORARY SAMPLING TAP POINT (BACTERIOLOGICAL SAMPLING POINT)		
SPOT ELEVATION		158.5
CONTOUR LINE		155
PROPERTY LINE	---	---
WETLAND LIMITS	---	---
TEST HOLE		

UTILITY SYMBOLS

WOOD POWER POLE	WPP
ELECTRIC POLE OR S.B.T. POLE (CONC.)	OR (WITH LIGHT)
CONCRETE POWER POLE	CPP
GUY WIRE	
TRAFFIC SIGNAL POLE	
IRON PIPE	I.P.
OVERHEAD ELECTRIC	OHU
UNDERGROUND ELECTRIC	EX
OVERHEAD TELEPHONE	OT
UNDERGROUND TELEPHONE	UGT
GAS MAIN (SIZE & MAT'L INDICATED)	GAS
CABLE TELEVISION	CATV
FIBER OPTIC LINE	FO
UNDERGROUND CABLE (TYPE UNDETERMINED)	UG
WATER METER	WM
WATER METER WITH TOUCHREAD	WM(TR)
CONCRETE MONUMENT	DCM
GAS VALVE	
SOIL BORING (NUMBER INDICATED)	SB-1
SOFT DIG (NUMBER INDICATED)	SD1
TREE, SIZE & TYPE INDICATED	12" O
MAIL BOX	MB
SIGN - TYPE INDICATED	OR SIGN
BUSH, SHRUB OR HEDGE	
FULL DEPTH ASPHALT PAVEMENT REPLACEMENT	
ASPHALT PAVEMENT OVERLAY	
INDICATES DRIVEWAY/SIDEWALK TO BE AND REPLACED	
CENTER LINE, BUILDING, ROAD, ETC.	---
SILT FENCE	---
STRUCTURE, BUILDING OR FACILITY LOCATION POINT - COORDINATES	N 1000.00 E 1000.00
DEMOLITION	OR

ABBREVIATIONS:

AC	ASBESTOS CEMENT	INT.	INTERSECTION
A.G.	ALLEY GRATE	INV.	INVERT
B	BASE LINE	I.P.	IRON PIPE
B.M.	BENCH MARK	J.W.W.	JACKSONVILLE WATER WORKS
BC	BOTTOM OF CURVE	LT.	LEFT
C.B.	CATCH BASIN	MB	MAIL BOX
C.I.	CAST IRON	M.H.	MANHOLE
C	CENTER LINE	N.T.S.	NOT TO SCALE
C.E.P.	CITY ELECTRIC POLE	O.E.	OVERHEAD ELECTRIC
CLD	CEMENT-LINED DUCTILE IRON	O.T.	OVERHEAD TELEPHONE
CONC.	CONCRETE	P.R.M.	PERMANENT REFERENCE
CONST.	CONSTRUCTION		MONUMENT
C.M.P.	CORRUGATED METAL PIPE	P.V.C.	POLYVINYL CHLORIDE
C.M.P.A.	CORRUGATED METAL PIPE ARCH	r	RADIUS
CULV.	CULVERT	R	RATE
C&G	CURB & GUTTER	R.C.P.	REINFORCED CONCRETE PIPE
C	CUT	RT	RIGHT
D.B.I.	DITCH BOTTOM INVERT	R/W	RIGHT OF WAY
D.W. OR DR	DRIVEWAY	RW	RAW WATER MAIN
D.I.	DUCTILE IRON	R.D.	ROOF DRAIN
E.O.P.	EDGE OF PAVEMENT	S/W	SIDE WALK
ELEV.	ELEVATION	S.B.T.	SOUTHERN BELL TELEPHONE
ERCP	ELLIPTICAL REINFORCED CONC. PIPE	SST	STAINLESS STEEL
EXP. JT.	EXPANSION JOINT	STA	STATION
F	FILL	TC	TOP OF CURVE
F.H.	FIRE HYDRANT	U.G.E.	UNDERGROUND ELECTRIC
FL	FLOW LINE	U.G.T.	UNDERGROUND TELEPHONE
FM	FORCE MAIN	U.S.C. & G.S.	UNITED STATES COASTAL & GEODETIC SURVEY
GALV./GLV	GALVANIZED	V.C.	VITRIFIED CLAY
G	GAS LINE	WM	WATER METER
G.V.	GAS VALVE	W.V.	WATER VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WLP	WOOD LIGHT POLE
H.W.	HEAD WALL	WPP	WOOD POWER POLE
H.C.	HIGH CURB	WTP	WOOD TELEPHONE POLE

Richard Thomas Morrison, State of Florida,  
Professional Engineer, License No. 67713

This item has been digitally signed and sealed  
by Richard Thomas Morrison, PE, on the date  
indicated here.

Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies

REV. NO.	DATE	DRWN	CHKD		REMARKS

DESIGNED BY:	B DYKES
DRAWN BY:	N PATTERSON
SHEET CHK'D BY:	R MORRISON
CROSS CHK'D BY:	X
APPROVED BY:	R MORRISON
DATE:	JUNE 2020

**CDM Smith**  
4651 Sallsbury Road, Suite 420  
Jacksonville, FL 32256  
Tel: (904) 731-7109  
FL CDA No. EB-0000020

**JACOBS**  
245 RIVERSIDE AVE, SUITE 300  
JACKSONVILLE, FLORIDA 32202  
EB0000072 AAC001992 LC26000188

JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

GENERAL

CIVIL AND YARD PIPING LEGEND  
AND GENERAL NTOES

DATE: 06/2020  
RICHARD THOMAS MORRISON  
PE NO. 67713

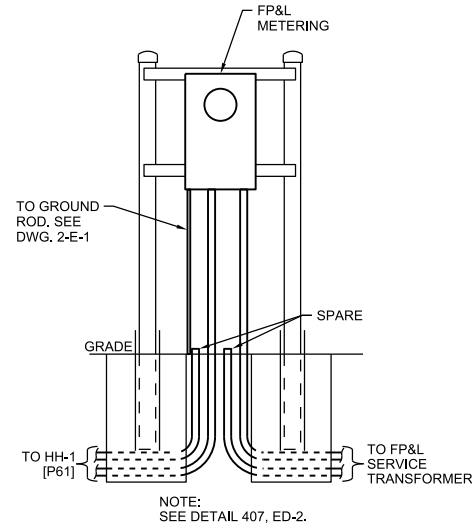
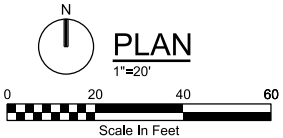
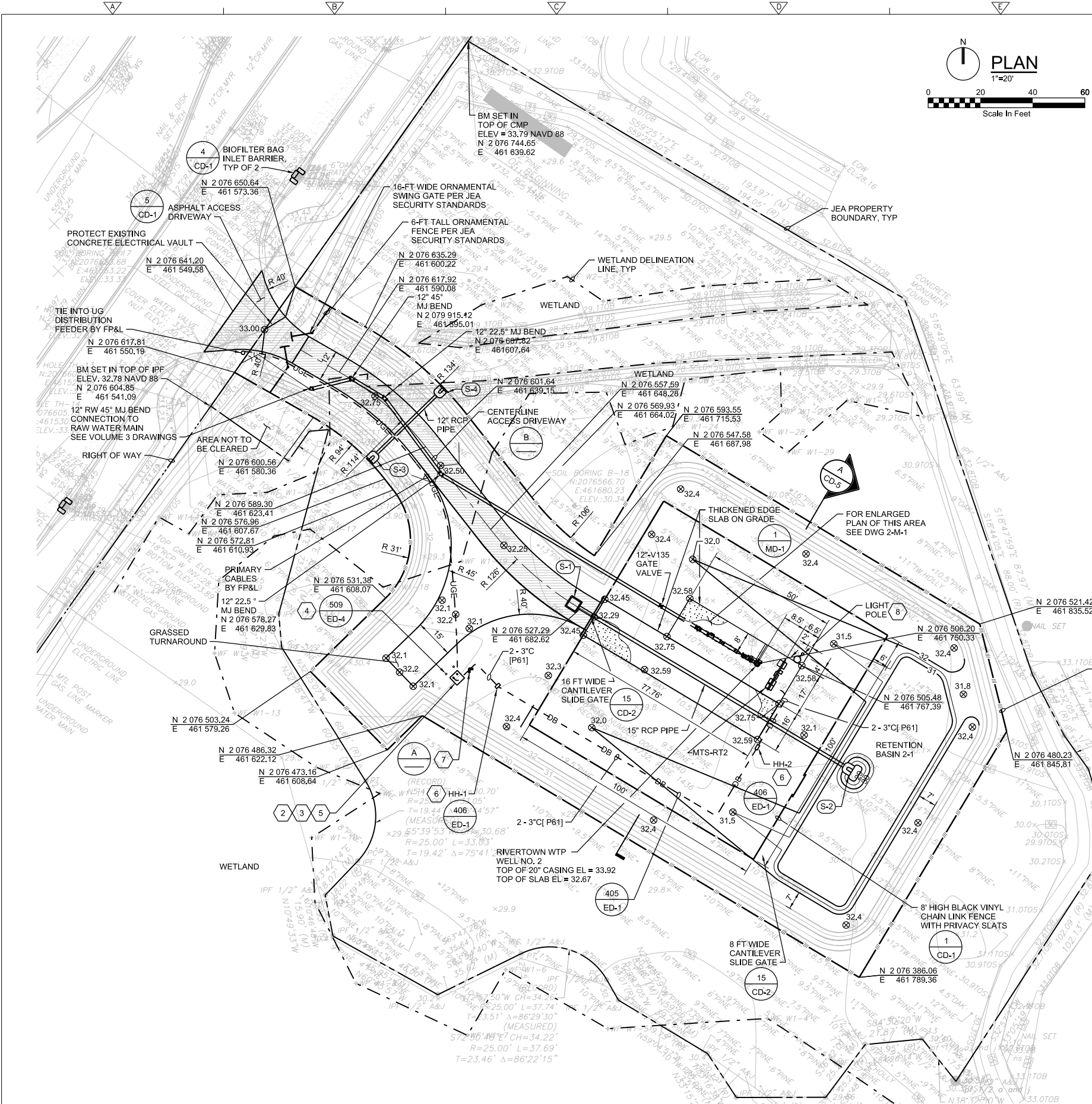
PROJECT NO. 6103-237938  
JACOBS FILE NAME:  
STO-G-010\_D3270100.dgn  
SHEET NO.

G-3

ISSUE FOR PERMIT

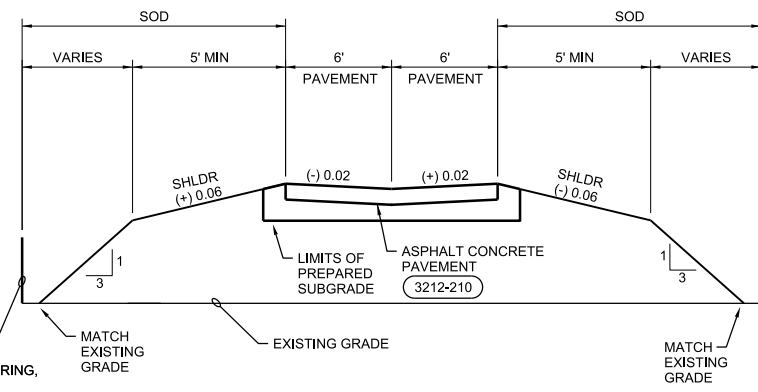


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**A** NTS  
DETAIL

- (S-1) TYPE C DBI INLET  
FDOT INDEX NO. 425  
RIM = 32.09  
INV = 29.35
- (S-2) MITERED END SECTION  
FDOT INDEX NO. 430  
INV = 29.00
- (S-3) MITERED END SECTION  
FDOT INDEX NO. 430  
INV = 29.50
- (S-4) MITERED END SECTION  
FDOT INDEX NO. 430  
INV = 29.50



**B** NTS  
TYPICAL SECTION

Richard Thomas Morrison, State of Florida,  
Professional Engineer, License No. 67713

This item has been digitally signed and sealed  
by Richard Thomas Morrison, PE, on the date  
indicated here.

Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies

## SHEET KEYNOTES

- CONTRACTOR PROHIBITED FROM CLEARING OR DISTURBING SITE OUTSIDE OF DEFINED LIMITS OF CLEARING. ANY CLEARING OR DISTURBANCE THAT OCCURS OUTSIDE OF DEFINED LIMITS SHALL BE RE-PLANTED AND RESTORED TO MATCH EXISTING, UNDISTURBED CONDITION.
- LOCATION OF PADMOUNT SERVICE TRANSFORMER IS APPROXIMATE. COORDINATE ACTUAL LOCATION WITH THE CIVIL DESIGN AND SUPPLYING ELECTRIC UTILITY (FP&L, MICHELLE USRY 386.329.5158 OR MICHELLE.USRY@FPL.COM). CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT AS REQUIRED BY THE UTILITY INCLUSIVE OF, BUT NOT LIMITED TO, TRANSFORMER PAD, PRIMARY CONDUITS, SECONDARY CONDUITS, METERING FRAME, AND METERING ENCLOSURE. DESIGN IS FOR 150KVA PADMOUNT TRANSFORMER, BUT PAD SHALL ACCOMMODATE UP TO A 300KVA UNIT.
- BOTH THE PADMOUNT TRANSFORMER AND THE METERING FRAME SHALL FACE THE DRIVEWAY TURNAROUND UNLESS DIRECTED DIFFERENTLY BY THE SUPPLYING ELECTRIC UTILITY.
- FURNISH/INSTALL 8-INCH CONCRETE PROTECTIVE POSTS PER DETAIL. COORDINATE POST LOCATIONS WITH SUPPLYING ELECTRIC UTILITY. TYPICAL OF TWO LOCATIONS. POSTS SHALL PROVIDE PROTECTION FOR THE PADMOUNT TRANSFORMER WITHOUT BLOCKING OPENING OF THE CABLE COMPARTMENT DOORS A FULL 120-DEGS.
- CONTRACTOR TO CONTACT FP&L UTILITY ENGINEER (MICHELLE USRY AT 386.329.5158 OR MICHELLE.USRY@FPL.COM) PRIOR TO STARTING ANY WORK TO VERIFY EXISTING SERVICE REQUIREMENTS. SERVICE DELIVERY TO BE 480/277VAC, 3P/4W, SOLIDLY-GROUNDED WYE, 150KVA.
- HANDHOLE HH-1 AND HH-2 FURNISHED AND INSTALLED BY CONTRACTOR. HANDHOLES SHALL BE PRECAST CONCRETE, H-20 RATED, OPEN-BOTTOM AS MANUFACTURED BY OLD CASTLE/CHRISTY OR APPROVED EQUAL. REFER TO TABLE 4A OF DETAIL 406 FOR SIZING INFO.
- FP&L REVENUE METER TO BE LOCATED ON SUPPORT FRAME AS SHOWN IN DETAIL 'A'. THIS DRAWING, CONTRACTOR TO FURNISH AND INSTALL SUPPORT FRAME PER DETAIL 407 ON DWG. ED-2 UTILIZING TWO (2) POSTS WITH A 36-INCH CENTER-TO-CENTER SEPARATION. FURNISH AND INSTALL METERING CAN PER FP&L ELECTRIC SERVICE STANDARDS DATED MARCH, 2017. ROUTE 2-3" C BETWEEN FP&L SERVICE TRANSFORMER AND THE METERING FRAME, AND HH-1 AND THE METERING FRAME. ONE CONDUIT IN EACH DIRECTION SHALL BE A SPARE. STUB THE SPARE CONDUIT FROM EACH HANDHOLE (TOTAL OF 2) BENEATH THE METER BOX 6-INCHES AFG AND CAP. APPLY A S/S TAG TO EACH FOR IDENTIFICATION AS SPARE CONDUIT.
- LOCATION OF WELLHEAD ILLUMINATION, ARROW INDICATES AIMING DIRECTION OF POLE TOP LUMINAIRE.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:	B DYKES
DRAWN BY:	N PATTERSON
SHEET CHK'D BY:	R MORRISON
CROSS CHK'D BY:	X
APPROVED BY:	R MORRISON
DATE:	JUNE 2020

**CDM Smith**  
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FL CDA No. EB-0000020

**JACOBS**  
245 RIVERSIDE AVE, SUITE 300  
JACKSONVILLE, FLORIDA 32202  
EB0000072 AAC001992 LC26000188

## RIVERTOWN WATER TREATMENT PLANT PROJECT

JEA

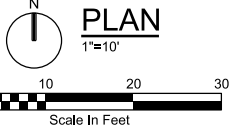
CIVIL/ELECTRICAL  
WELLHEAD NO. 2  
SITE PLAN

DATE: 06/2020  
RICHARD THOMAS MORRISON  
PE NO. 67713  
PROJECT NO. 6103-237938  
JACOBS FILE NAME:  
ST2001-C-001\_D3270100.dgn  
SHEET NO.

2-C-1

ISSUE FOR PERMIT





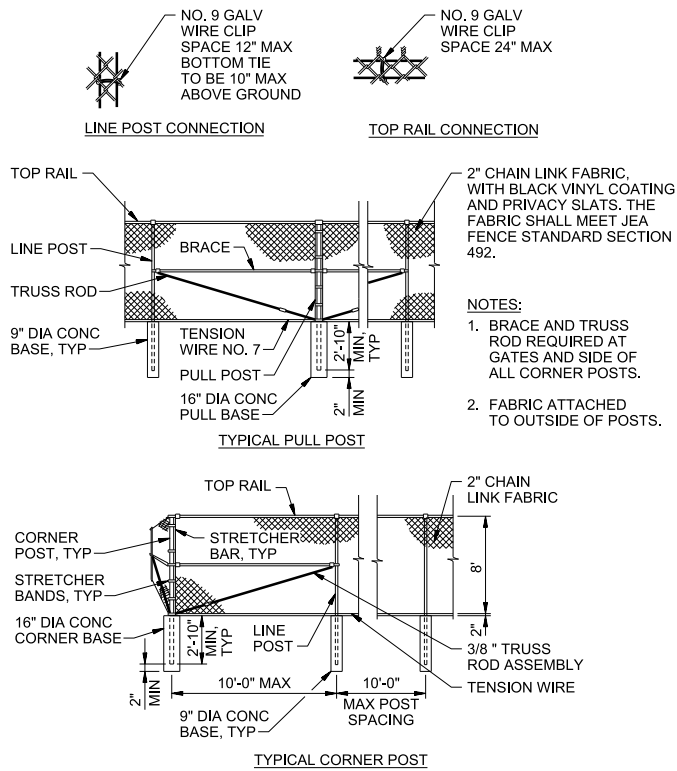
DATE: 06/2020 RICHARD THOMAS MORRISON PE NO. 67713
PROJECT NO. 6103-237938 JACOBS FILE NAME: ST3001-C-001_D3270100.dgn
SHEET NO.

ISSUE FOR PERMIT

CIVIL/ELECTRICAL

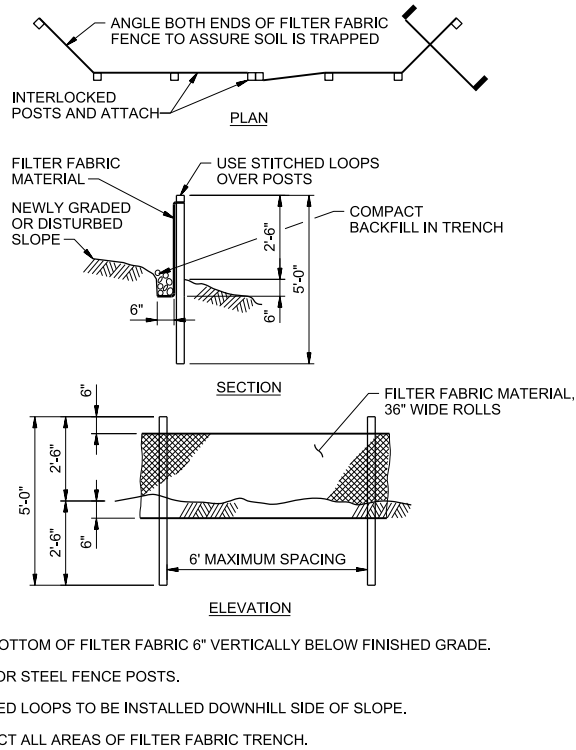
BACKUP WELLHEAD NO. 3  
SITE PLAN

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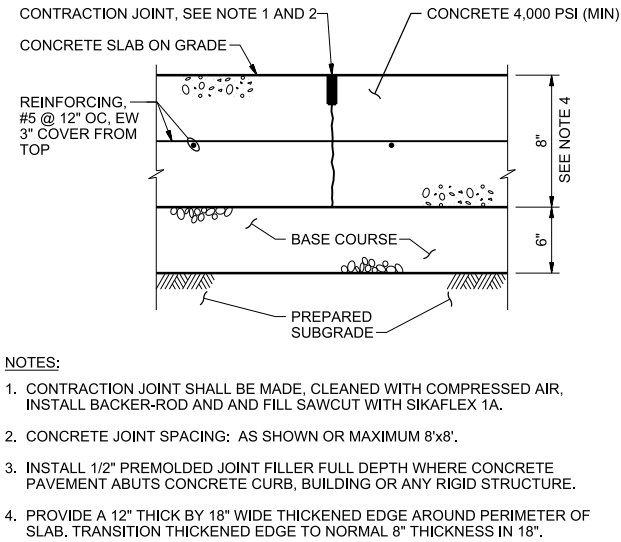
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NTS



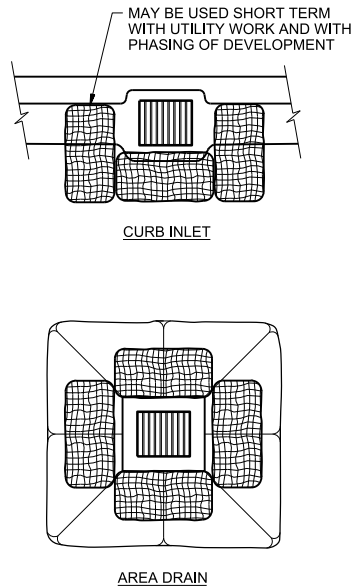
## 2 SILT FENCE

NTS



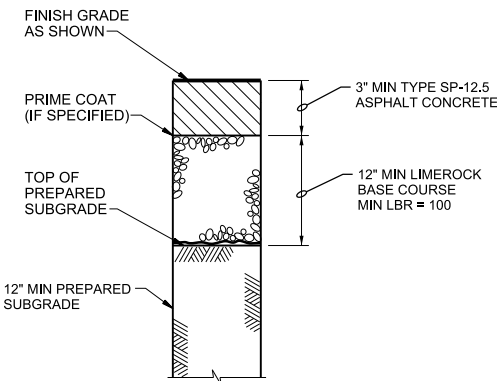
## 3 CONCRETE DRIVEWAY

NTS



## 4 BIOFILTER BAG INLET BARRIER

NTS



## 5 ASPHALT CONCRETE PAVEMENT

NTS

Richard Thomas Morrison, State of Florida,  
Professional Engineer, License No. 67713

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indicated here.

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DATE: 06/2020  
RICHARD THOMAS MORRISON  
PE NO. 67713  
PROJECT NO. 6103-237938  
JACOBS FILE NAME:  
ST9000-CD-001\_D3270100.dgn  
SHEET NO.

CD-1

ISSUE FOR PERMIT

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: B DYKES  
DRAWN BY: N PATTERSON  
SHEET CHK'D BY: R MORRISON  
CROSS CHK'D BY: R MORRISON  
APPROVED BY: R MORRISON  
DATE: JUNE 2020

**CDM Smith**  
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**JACOBS**  
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EB0000072 AAC001992 LC26000188

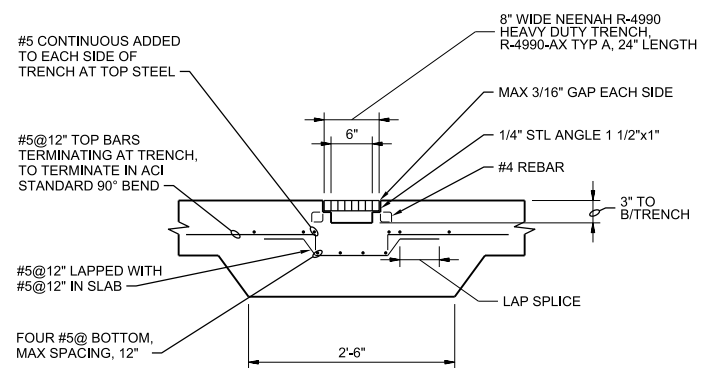
JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

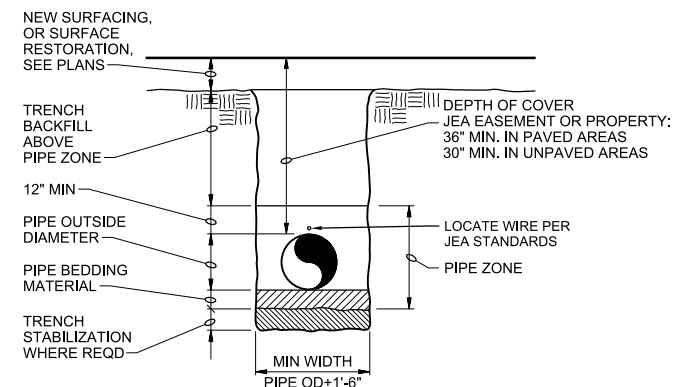
STANDARD DETAILS

CIVIL STANDARD DETAILS

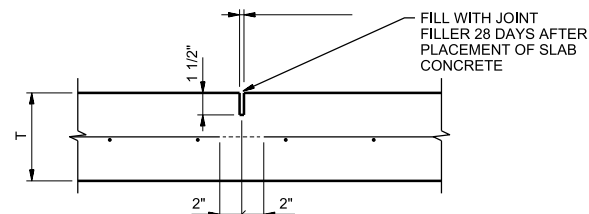
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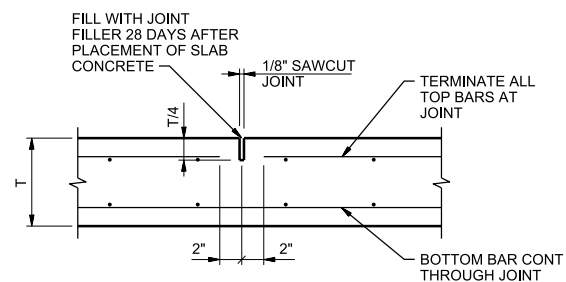
8 TYPICAL SLAB SECTION AT TRENCH DRAIN  
NTS



## 9 TYPICAL TRENCH



### SINGLE REINFORCEMENT MAT

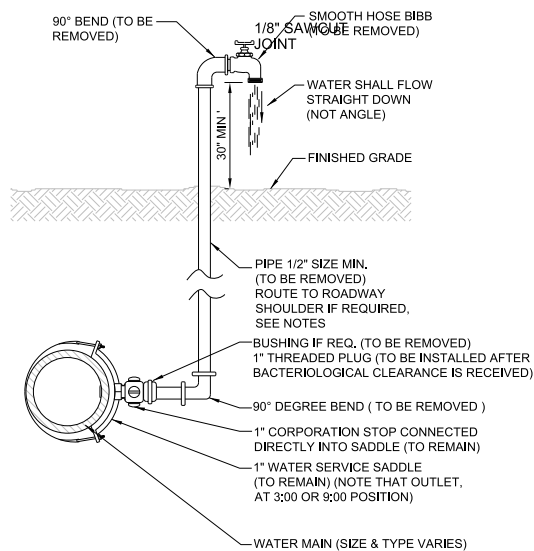


DOUBLE REINFORCEMENT MAT

NOTES:

1. CONTRACTOR SHALL USE STRING LINE OR OTHER POSITIVE MEANS TO PLACE REINFORCEMENT AND LOCATE SAWCUT.

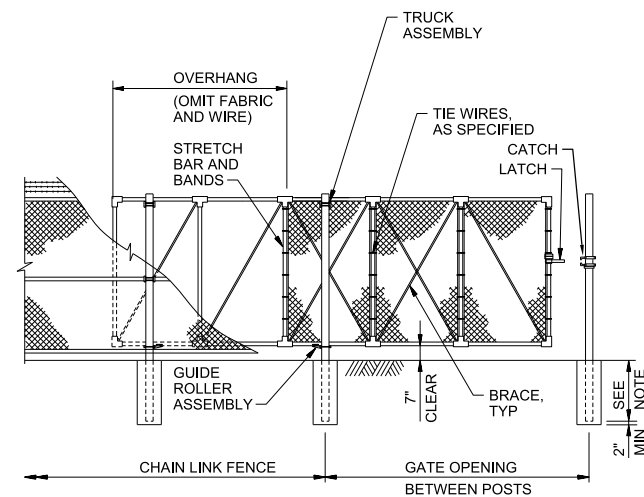
11 SLAB ON GRADE CONTROL JOINT  
NTS



NOTES:

1. LOCATION OF SAMPLE POINT **BIBB** SHALL NOT BE **WITHIN** THE ROADWAY BUT ROUTED TO THE ROADWAY SHOULDERS (NON-TRAFFIC AREAS).
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPING & FITTINGS (AS NOTED), AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.
3. PIPE AND FITTINGS SHALL BE PVC SCH 40 OR GALV MATERIAL.
4. THE USE OF THE ABOVE CONSTRUCTION FOR A TEMPORARY SAMPLE POINT SHALL BE LIMITED TO AREAS WHERE A SAMPLE TAP BY ALTERNATIVE METHODS (SEE W-24) IS NOT FEASIBLE OR IF DIRECTED OTHERWISE BY JEA.
5. THE CONTRACTOR SHALL COMPLY WITH ALL JEA RULES AND POLICIES AS **AS OUTLINED** BY JEA'S ENVIRONMENTAL RESPONSE COORDINATOR (ERC) AND OTHER ASSOCIATED JEA STANDARDS.

12 TEMPORARY SAMPLE TAP  
NTS



NOTES:

1. POST SETS PER MANUFACTURER'S RECOMMENDATIONS FOR GATE OPENING AND GATE POST SIZES.
2. ONE (1) FLEXIBLE BONDING JUMPER WITH MECHANICAL POST CLAMPS SHALL BE ATTACHED BETWEEN EACH GATE POST AND ITS ASSOCIATED GATE FRAME. PRODUCT SHALL BE ERICO ERITECH FLEXIBLE JUMPER, #2 AWG.

## 15 CANTILEVER SLIDE GATE

Richard Thomas Morrison, State of Florida,  
Professional Engineer, License No. 67713

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by Richard Thomas Morrison, PE, on the date  
indicated here.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: B DYKES  
DRAWN BY: N PATTERSON  
SHEET CHK'D BY: R MORRISON  
CROSS CHK'D BY:  
APPROVED BY: R MORRISON  
DATE: JUNE 2020

**CDM  
Smith**  
4651 Sallsbury Road, Suite  
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Tel: (904) 731-7109  
FL COA No. EB-0000020

**JACOBS**  
245 RIVERSIDE AVE, SUITE 300  
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EB0000072 AAC001992 LC26000188

JEA

## RIVERTOWN WATER TREATMENT PLANT PROJECT

## STANDARD DETAILS

CIVIL STANDARD DETAILS

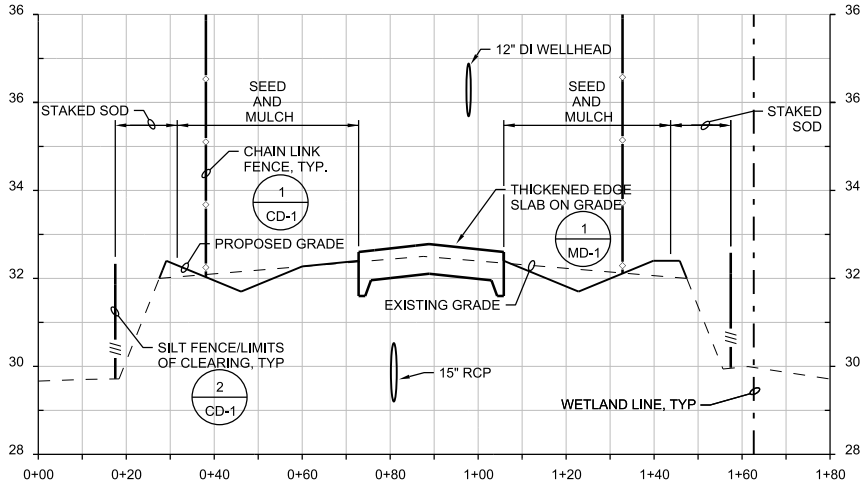
DATE: 06/2020  
RICHARD THOMAS MORRISON  
PE NO. 67713

PROJECT NO.	6103-237938
JACOBS FILE NAME:	ST9000-CD-002_D3270100.dgn
SHEET NO.	

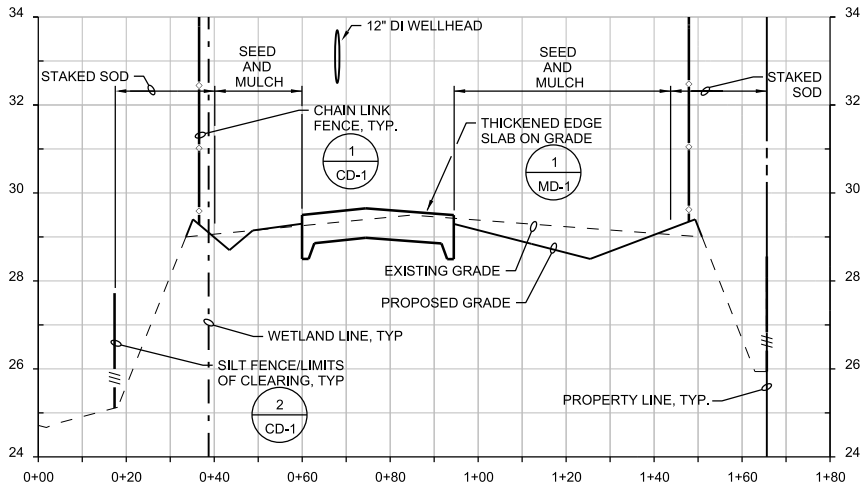
CD-2

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**A** **WELL NO. 2 SECTION**  
SCALE: 1" = 20' HORIZ  
1" = 2' VERT  
2-C-1



**B** **WELL NO. 3 SECTION**  
SCALE: 1" = 20' HORIZ  
1" = 2' VERT  
3-C-1

Richard Thomas Morrison, State of Florida,  
Professional Engineer, License No. 67713

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:	B DYKES
DRAWN BY:	N PATTERSON
SHEET CHK'D BY:	R MORRISON
CROSS CHK'D BY:	
APPROVED BY:	R MORRISON
DATE:	JUNE 2020

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FL CDA No. EB-0000020

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JACKSONVILLE, FLORIDA 32202  
EB0000072 AAC001992 LC26000188

JEA  
RIVERTOWN WATER TREATMENT PLANT PROJECT

CIVIL  
SECTIONS

DATE: 06/2020  
RICHARD THOMAS MORRISON  
PE NO. 67713  
PROJECT NO. 6103-237938  
JACOBS FILE NAME:  
ST9000-CD-005\_D3270100.dgn  
SHEET NO.  
**CD-5**

ISSUE FOR PERMIT

# CONSTRUCTION DRAWINGS FOR RIVERTOWN WATER TREATMENT PLANT

ENVIRONMENTAL RESOURCE PERMIT SUBMITTAL  
ACCESS DRIVEWAY BACKUP WELL NO. 3  
JEA PROJ NO.: 8003981



**VICINITY MAP**  
NOT TO SCALE

## INDEX OF SHEETS

C-1	COVER SHEET
C-3	BACKUP WELL NO. 3 ACCESS DRIVEWAY
C-4	RAW WATER MAIN BACKUP WELL NO. 3
C-6	PROPOSED PLAN AND PROFILE
C-7	BACKUP WELL NO. 3 ACCESS DRIVEWAY DETAILS
S-1	RETAINING WALL NOTES SECTION AND DETAILS

PREPARED BY:

**CDM  
Smith**

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Tel: (904) 731-7109  
FL COA No. EB-0000020  
PROJECT NO. 6103-229758

**JEA**<sub>sm</sub>  
Building Community<sub>sm</sub>

**JACOBS**

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Jacksonville, FL 32202  
Tel: (904) 636-5432  
EB0000072 AAC001992 LC26000188

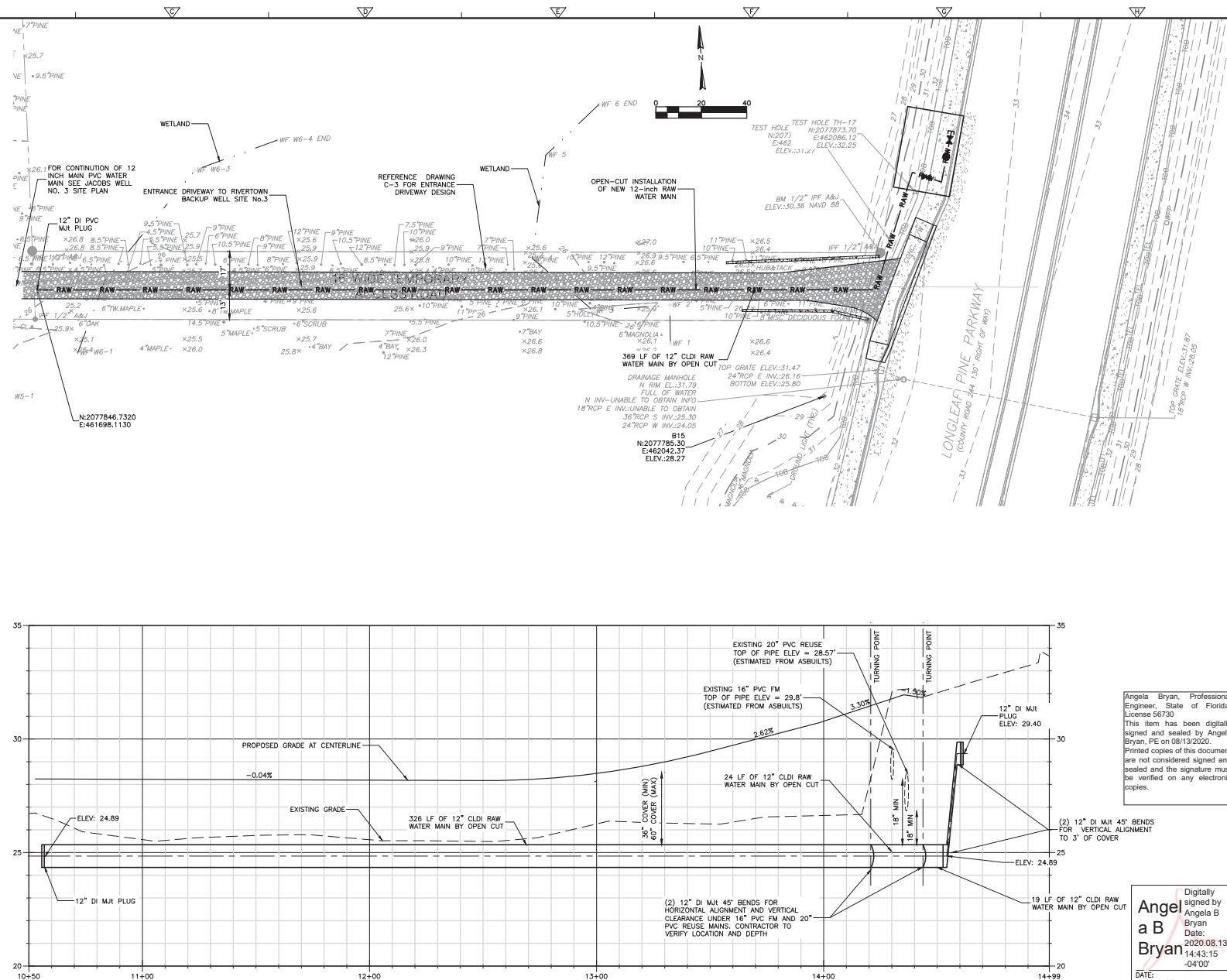
ISSUED FOR PERMIT  
JUNE 2020



C-3

[illegible]

6. THE CONTRACTOR SHALL INSTALL THE PROPOSED RAW WATER MAIN IN ACCORDANCE WITH THE CITY OF CHICAGO'S STANDARDS AND WASTEWATER STANDARDS MANUAL BY JUNE, JANUARY 1, 2020. IN ADDITION, THE CONTRACTOR SHALL:
  - a. SECTION II: SITE PREPARATION, CLEANUP AND RESTORATION
  - b. SECTION III: CONSTRUCTION AND EROSION CONTROL
  - c. SECTION III 350: POTABLE WATER PIPING
  - d. SECTION III 501: AGRICULTURAL EROSION CONTROL
  - e. SECTION VIII: WATER & RECLAIMED CONSTRUCTION DETAILS
  - f. SECTION X: WATER & RECLAIMED APPROVED MATERIALS
7. ALL THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEARANCE CENTER LINE OF RAW WATER MAIN.
8. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEARANCE CENTER LINE NOT LESS THAN ONE WEEK PRIOR TO CONSTRUCTION OF UTILITIES IN THEIR RESPECTIVE RIGHT-OF-WAY.
9. IF THE DISTANCE BETWEEN POWER POLE AND THE TRENCH IS LESS THAN THE TRENCH DEPTH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING POWER PERSONNEL SECURE POWER POLES.
10. FURTHER THAN AN EXCAVATION OR GRADING, THE CONTRACTOR SHALL OBTAIN ALL GEO TECHNICAL AND TOPOGRAPHIC SURVEY DATA AND LOCATIONS OF ABOVE GROUND AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE OR OMISSIONS IN THE SURVEY DATA. HE SHALL IMMEDIATELY NOTIFY THE CITY OF CHICAGO IN WRITING IN ORDER THAT PROPER ADJUSTMENTS CAN BE ANTICIPATED AND ORDERED.
11. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL ABOVE AND BELOW GROUND UTILITIES AND OBSTRUCTIONS BOTH ABOVE AND BELOW GROUND SURFACE. ALL DAMAGE TO EXISTING UTILITIES OR OBSTRUCTIONS OCCURRING WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
12. SOIL SCENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED, WITH THE APPROVED AND RECOMMENDED REMEDIAL ACTION AND SOLVENT RESISTANT GASKET MATERIAL SHALL BE USED IN THE CONTAMINATED AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 10' BEYOND THE CONTAMINATED AREA.



Angela Bryan, Professional Engineer, State of Florida, License 56730  
This item has been digitally signed and sealed by Angela Bryan, PE on 08/13/2020.  
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Digitally signed by Angela B Bryan  
Date: 2020.08.13 14:43:15

DATE:	ANGELA BRYAN
PE NO.	56730
PROJECT NO.	6103-237938

C-4

JEA	RAW WATER MAIN
RIVERTOWN WATER TREATMENT PLANT PROJECT	BACKUP WELL NO.3 PROPOSED PLAN AND PROFILE





A B C D E F G H

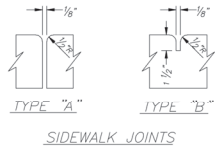
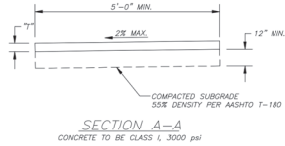
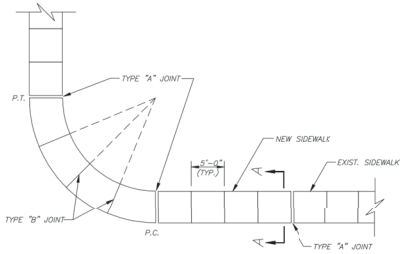
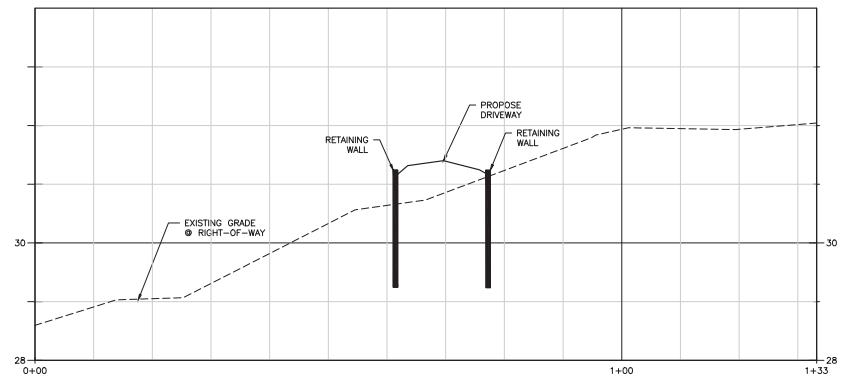
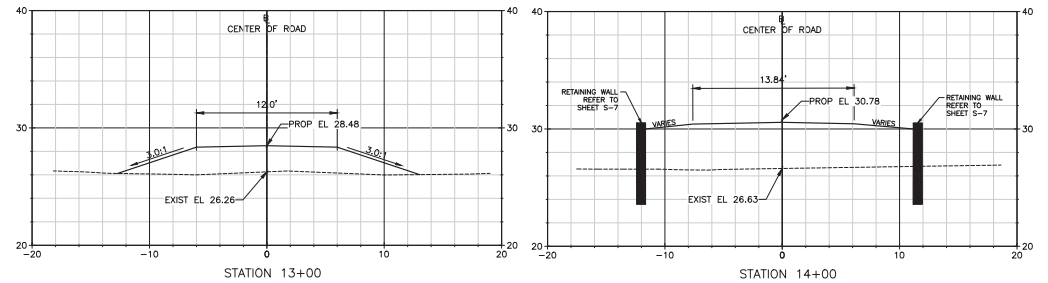
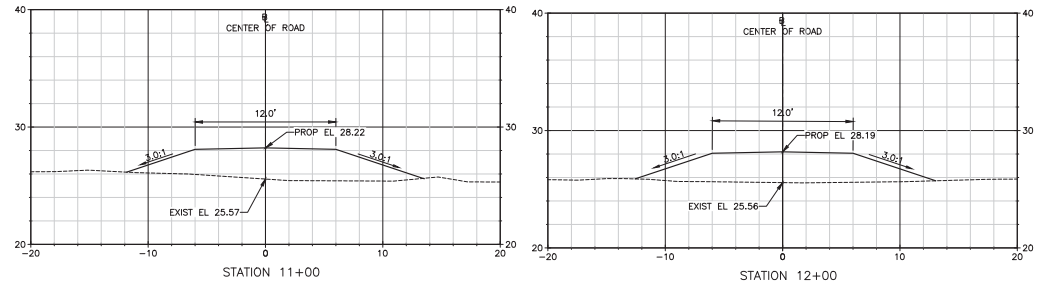


TABLE OF SIDEWALK THICKNESS	
LOCATION	THICKNESS
RESIDENTIAL AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

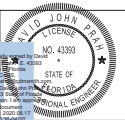
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS

ST JOHN'S COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION - DETAIL NO. 118

SIDEWALK DETAIL



2 RIGHT-OF-WAY PROFILE  
SCALE=10 (LOOKING EAST)



DAVID J. PRAH  
P.E. NO. 43393  
PROJECT NO. 6103-237938  
FILE NAME: C008T1PL.DWG  
SHEET NO. C-7

ISSUED FOR PERMIT - JUNE 2020

XREF: C:\MSD\STATE\_C\PROJECTS\12419\_Rivertown\_WTP\Images\[signature]  
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DESIGNED BY:	EY
DRAWN BY:	RF
CHECKED BY:	SS
CROSS CHECKED BY:	D. PRAH
APPROVED BY:	I. POLEMATIDIS
DATE:	JUNE, 2020

**CDM Smith**  
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245 RIVERSIDE AVE, SUITE 300  
JACKSONVILLE, FLORIDA 32202  
EB0000072 AAC001992 LC26000188  
FL CEA No. EB0000020

JEA  
RIVERTOWN WATER TREATMENT PLANT PROJECT

BACKUP WELL NO. 3 ACCESS DRIVEWAY DETAIL

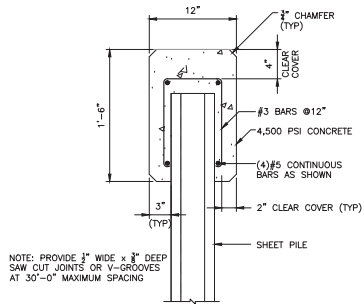
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GENERAL NOTES:

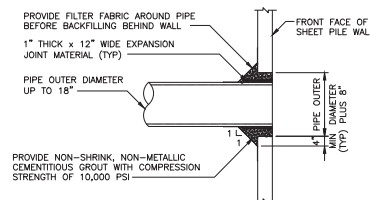
1. SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2020 EDITION) AND SUPPLEMENTS THERETO.
2. DESIGN:
  - A. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS, SEVENTH EDITION AND IMPLEMENTED MODIFICATIONS THERETO.
  - B. FDOT STRUCTURES MANUAL DATED 2020.
  - C. SHEET PILE WALLS HAVE BEEN DESIGNED BASED ON THE RETAINED HEIGHT AS SHOWN AND WHEN APPLICABLE, WITH A 240 PSF LIVE LOAD SURCHARGE AT THE UPPER GROUND SURFACE WHEN TRAFFIC IS ADJACENT TO THE WALL.
  - D. SOIL DATA IS BASED UPON THE GEOTECHNICAL REPORT FROM CSI GEO (DATED JUNE 2, 2020) AND GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
3. SHOP DRAWINGS FOR STEEL SHEET PILE WALLS SHALL BE SUBMITTED IN ACCORDANCE WITH FDOT SPECIFICATION 5.
4. TEMPORARY EXCAVATION SLOPES SHALL NOT EXCEED 1.0 VERTICAL TO 2.0 HORIZONTAL.
5. FOR EXISTING AND PROPOSED UTILITY LOCATIONS, SEE CIVIL AND ROADWAY PLANS.
6. STEEL SHEET PILES SHALL BE ASTM A572.
7. THE CONTRACTOR SHALL HAVE SUITABLE EQUIPMENT AND SHALL TAKE APPROPRIATE MEASURES TO ACHIEVE THE REQUIRED TIP ELEVATIONS. THESE MAY INCLUDE PRE-PUNCHING, SPUDGING, PREFORMED PILE HOLES, OR OTHER METHODS, AND ANY ASSOCIATED COST SHALL BE INCIDENTAL TO THE COST OF STEEL SHEET PILING (PERMANENT).
8. THE CONTRACTOR SHALL TAKE ANY AND ALL NECESSARY MEASURES TO PROTECT EXISTING STRUCTURES FROM DAMAGE WHEN WORKING IN AND AROUND EXISTING STRUCTURES PERFORMING WORK SUCH AS DEMOLITION, FOUNDATION EXCAVATION AND OTHERS.
9. ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL AND ROADWAY DRAWINGS AND SPECIFICATIONS.
10. THE CONTRACTOR SHALL REVIEW AND VERIFY DIMENSION SHOWN IN ALL PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE STRUCTURE. SHOULD DISCREPANCIES APPEAR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING TO OBTAIN ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE WORK.
11. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
12. STANDARD DETAILS APPLY TO ALL SIMILAR SITUATIONS ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

CONCRETE AND REINFORCING NOTES:

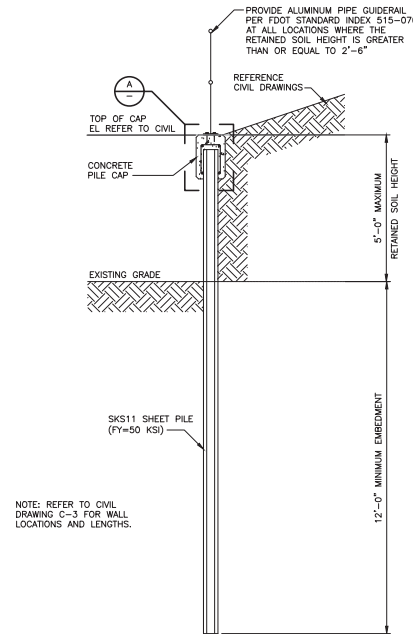
1. CONCRETE SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346.
2. CONCRETE SHALL BE CLASS II AND OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI.
3. PROVIDE  $\frac{3}{4}$ " CHAMFERS ON ALL EXPOSED EDGES UNLESS NOTED OTHERWISE.
4. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.



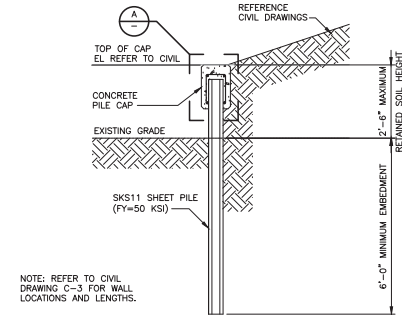
SHEET PILE CONCRETE CAP  
DETAIL A  
1'-1/2" = 1'-0"



PIPE PENETRATION  
DETAIL B  
1/2" = 1'-0"



NOTE: REFER TO CIVIL  
DRAWING C-3 FOR WALL  
LOCATIONS AND LENGTHS.



NOTE: REFER TO CIVIL  
DRAWING C-3 FOR WALL  
LOCATIONS AND LENGTHS.

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

REV.	NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:	H. MORATAYA
DRAWN BY:	P. SCARANO
CHECKED BY:	K. FRANCIS
APPROVED BY:	H. MORATAYA
DATE:	MAY 2020

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EB0000072 AAC001992 LC26000188

JEA  
RIVERTOWN WATER TREATMENT PLANT PROJECT

RETAINING WALL  
NOTES, SECTION AND DETAILS

DATE:  
HECTOR G. MORATAYA  
PE NO. 76177

PROJECT NO. 8103-237938  
FILE NAME: S001STN1.DWG  
SHEET NO. S-1