

FLORIDA DEPARTMENT OF Environmental Protection

Northwest District 160 W. Government Street, Suite 308 Pensacola, Florida 32502-5740

Ron DeSantis Governor

Alexis A. Lambert Secretary

Permittee/Authorized Entity:

FDEP Bureau of Design and Construction c/o: David Matson 3900 Commonwealth Blvd. Tallahassee, FL 32399 david.matson@floridadep.gov

Camp Helen State Park

Authorized Agent:

Signe Ulsamer 1967 Commonwealth Ln. Ste. 200 Tallahassee, FL 32303 sulsamer@gaceng.net

Environmental Resource Permit State-owned Submerged Lands Authorization – Granted

U.S. Army Corps of Engineers Authorization – Separate Corps Authorization Required

> **Bay County** Permit No.: 0348333-002-EI/03

Permit Issuance Date: April 1, 2025 Permit Construction Phase Expiration Date: April 1, 2030

Environmental Resource Permit Consolidated Environmental Resource Permit and Sovereignty Submerged Lands Authorization

Permittee/Grantee: Florida Department of Environmental Protection Permit No: 0348333-002-EI/03

PROJECT LOCATION

The activities authorized by this permit and sovereignty submerged lands authorization are located at 23937 Panama City Beach Parkway in Panama City Beach, Florida 32413 on an approximately 3.20-acre site and is part of a larger planned development. Parcel ID No. 35205-000-000 in Section 31, Township 02 South, Range 17 West in Bay County, at Latitude 30° 15' 02.5" North, Longitude 85° 58' 28.3"West.

PROJECT DESCRIPTION

The permittee is authorized to construct a day use picnic area, driveway, parking lot, 14-fixture restroom, two picnic pavilions, and ADA-compliant routes for beach access on the North side of SR 30A, a pathway and a 57.1-foot by 8-foot board walk, 20-foot by 5-foot aluminum gang way, a 35-foot by 15-foot floating kayak/canoe boat launch on the southside of SR30A, a driveway apron and left turn lane within the FDOT maintained right-of-way of SR30A, and a stormwater management system. The stormwater management system will include three (3) dry retention ponds. The construction of the right turn lane within the FDOT maintained right-of-way along SR30A is exempt per Rule 62-330.051(4)(c)(4)b. The floating kayak launch will be located within Lake Powell, a Class III, Outstanding Florida Waterbody, Unclassified Shellfish Harvesting Area. Authorized activities are depicted on the attached exhibits.

AUTHORIZATIONS

Camp Helen State Park

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) under Sections 253.002, F.S., the Department has determined that the activity qualifies for and requires a Letter of Consent, as long as the work performed is located within the boundaries as described and is consistent with the terms and conditions herein.

During the term of this Letter of Consent you shall maintain satisfactory evidence of sufficient upland interest as required by paragraph 18-21.004(3)(b), F.A.C. If such interest is terminated or the Board of Trustees determines that such interest did not exist on the date of issuance of this Letter of Consent, this Letter of Consent may be terminated by the Board of Trustees at its sole option. If the Board of Trustees terminates this Letter of Consent, you agree not to assert a claim or defense against the Board of Trustees arising out of this Letter of Consent.

Federal Authorization

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Your proposed activity as outlined in your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit VI-R1. **SEPARATE permit(s)** or authorization **shall be required** from the U.S. Army Corps of Engineers.

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 Granted / Waived

This permit also constitutes *a grant*[M1] of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. Section 1341. Pursuant to Rule 62-330.062, F.A.C. issuance of the individual or conceptual approval permit under this chapter shall constitute certification of compliance with water quality standards

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/SOVEREIGNTY SUBMERGED LANDS CONDITIONS

The activities described must be conducted in accordance with:

- The Specific Conditions
- The General Conditions
- The Special Consent Conditions
- The General Conditions for Sovereignty Submerged Lands Authorization
- 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 and sovereignty submerged lands authorization, as described.

SPECIFIC CONDITIONS – ADMINISTRATIVE/EMERGENCIES

1. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and a determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department's request. Submittal of the inspection documentation to the Department is not required.

2. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted to the Department on Form 62-330.311(1), Operation and Maintenance Inspection Certification, describing the remedial actions taken to resolve the failure of deviation. This report shall be signed and sealed by a registered professional.

3. For emergencies involving a serious threat to the public health, safety, welfare, or environment, the emergency telephone contact number is (800) 320-0519 (State Warning Point). The Department telephone number for reporting nonthreatening problems or system malfunctions is (850) 595-0663, day or night.

4. The mailing address for submittal of forms for the "Construction Commencement Notice", "As-Built Certification ...", "Request for Conversion of Stormwater Management Permit Construction Phase to Operation and Maintenance Phase", or other correspondence is FDEP, SLERP, 160 W. Government Street, Pensacola, Florida 32502.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

5. This permit does not authorize the construction of any additional structures not illustrated on the permit drawings.

6. Best management practices for erosion control shall be implemented prior to construction activities and maintained at all times during construction to prevent siltation and turbid discharges into adjacent wetlands. Methods shall include but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, and mulching; staged construction; and the installation of turbidity screens around the immediate project site. Erosion control methods shall be implemented as described and shown in the attached permit drawings. The permittee shall be responsible for ensuring that erosion control devices/procedures are inspected and maintained daily during all stages of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

7. Prior to construction, the permittee shall provide documentation of Real Property Interest for work done within the FDOT maintained right-of-way. Documentation should be submitted to the Department's Compliance Assurance Program at NWD_Epost@FloridaDEP.gov and should include a reference to the permit number.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

8. The construction phase expires at 11:59 p.m. on the date indicated on the cover page of this permit, unless an application for extension is received and approved pursuant to Rule 62-330.320, F.A.C. If construction of the stormwater management system authorized by this environmental resource permit has not been completed and continued use of the system formally transferred to the operating phase before the expiration date of the permit, or an authorized extension, then at least 60 days before such expiration date, the permittee shall apply for another individual stormwater permit, using the forms and accompanied by the fee required by rules in effect at that time.

9. Erosion controls shall remain in place until the filled area has sufficient vegetative coverage to ensure stability and prevent erosion into the surrounding wetlands or surface waters. Grass seed and mulch or sod shall be installed and maintained on all exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at any other time as necessary, to prevent erosion, sedimentation, or turbid discharges into adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be established within 60 days of sodding or seeding. Upon establishment of a substantial vegetative cover, all erosion control devices shall be removed.

10. All material used as fill shall be clean sand/fill dirt/shell material and shall not be contaminated with vegetation, garbage, trash, tires, hazardous waste, and deleterious materials.

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

12. If any construction de-watering is required which results in an offsite discharge of groundwater, the permittee and/or the contractor shall ensure that the requirements of pertinent portions of Chapter 62-621, F.A.C. are met. Please contact the FDEP Wastewater Department at 850-595-8300, for more information.

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

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

SPECIFIC CONDITIONS - OTHER LISTED SPECIES

15. 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 permittee associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for

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definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, Florida Fish and Wildlife Conservation Commission (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 <u>ConservationPlanningServices@MyFWC.com</u>.

16. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

17. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

SPECIFIC CONDITIONS - OPERATION AND MAINTENANCE ACTIVITIES

18. The authorized stormwater management system shall be completed prior to or simultaneously with associated upland development.

19. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before the transfer to the Operation and Maintenance phase, all obsolete erosion control materials shall be removed.

20. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and a determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department's request.

21. In addition to these conditions, the Permittee shall comply with all maintenance and inspection requirements prescribed in the Maintenance and Operation Plan developed by the registered professional who designed the system.

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

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

a. Remove the top layer of the retention area bottom material to a depth of 2 to 3 inches and scarify or deep-rake the excavated bottom.

b. Replace excavated bottom material with suitably permeable material and restore the pond bottom to design grade.

24. Inspections by the Permittee.

a. The dry retention pond shall be inspected periodically for accumulation of debris and trash. Accumulations of debris and trash that negatively affect the function of the system shall be removed upon discovery.

b. The dry retention pond shall be inspected periodically for silt accumulation. Accumulations of silt that negatively affect the function of the system shall be removed.

25. The stormwater management system shall be inspected by a registered professional or qualified registered inspector to evaluate whether the system is functioning as designed and permitted. Percolation performance should specifically be addressed. The registered professional or qualified registered inspector shall record his inspection on Form No. 62-330.311(1), Operation and Maintenance Inspection Certification. Within 30 days of their inspection, the registered professional or qualified registered inspection shall submit Form No. 62-330.311(1) along with, as applicable, Form No. 62-330.311(3) "Inspection Checklists", updated operation and maintenance cost estimates, updated operation and maintenance plan, and any monitoring reports required by a specific permit condition. Inspections shall be made by the registered professional in accordance with this schedule:

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

26. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted to the Department on Form 62-330.311(1), Operation and Maintenance Inspection Certification, describing the remedial actions taken to resolve the failure of deviation. This report shall be signed and sealed by a registered professional.

27. Signage shall be posted around the stormwater management systems as a notice to public/visitors that storm ponds shall not be used for recreational purposes.

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.

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.

SPECIAL CONSENT CONDITIONS

1. The applicant agrees to indemnify, defend and hold harmless the Board of Trustees and the State of Florida from all claims, actions, lawsuits and demands in any form arising out of the authorization to use sovereignty submerged lands or the applicant's use and construction of structures on sovereignty submerged lands. This duty to indemnify and hold harmless will include any and all liabilities that are associated with the structure or activity including special assessments or taxes that are now or in the future assessed against the structure or activity during the period of the authorization.

2. Failure by the Board of Trustees to enforce any violation of a provision of the authorization or waiver by the Board of Trustees of any provision of the authorization will not invalidate the provision not enforced or waived, nor will the failure to enforce or a waiver prevent the Board of Trustees from enforcing the unenforced or waived provision in the event of a violation of that provision.

3. Applicant binds itself and its successors and assigns to abide by the provisions and conditions set forth in the authorization. If the applicant or its successors or assigns fails or refuses to comply with the provisions and conditions of the authorization, the authorization may be terminated by the Board of Trustees after written notice to the applicant or its successors or assigns. Upon receipt of such notice, the applicant or its successors or assigns will have thirty (30) days in which to correct the violations. Failure to correct the violations within this period will result in the automatic revocation of this authorization.

4. All costs incurred by the Board of Trustees in enforcing the terms and conditions of the authorization will be paid by the applicant. Any notice required by law will be made by certified

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mail at the address shown on page one of the authorization. The applicant will notify the Board of Trustees in writing of any change of address at least ten days before the change becomes effective.

5. This authorization does not allow any activity prohibited in a conservation easement or restrictive covenant that prohibits the activity.

GENERAL CONDITIONS FOR SOVEREIGNTY SUBMERGED LANDS AUTHORIZATION

Any use of sovereignty submerged lands is subject to the following general conditions, which are binding upon the applicant and are enforceable under Chapter 253, F.S.

1. Sovereignty submerged lands may be used only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use will constitute a violation. Violation of the authorization will result in suspension or revocation of the applicant's use of the sovereignty submerged lands unless cured to the satisfaction of the Board of Trustees.

2. Authorization under Rule 18-21.005, F.A.C., conveys no title to sovereignty submerged lands or water column, nor does it constitute recognition or acknowledgment of any other person's title to such land or water.

3. Authorizations under Rule 18-21.005, F.A.C., may be modified, suspended or revoked in accordance with its terms or the remedies provided in Sections 253.04, F.S. and Chapter 18-14, F.A.C.

4. Structures or activities will be constructed and used to avoid or minimize adverse impacts to resources.

5. Construction, use, or operation of the structure or activity will not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.

6. Structures or activities will not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity will be modified in accordance with the court's decision.

7. Structures or activities will not create a navigational hazard.

8. Structures will be maintained in a functional condition and will be repaired or removed if they become dilapidated to such an extent that they are no longer functional.

9. Structures or activities will be constructed, operated, and maintained solely for water dependent purposes.

10. The applicant agrees to indemnify, defend and hold harmless the Board of Trustees and the State of Florida from all claims, actions, lawsuits and demands in any form arising out of the authorization to use sovereignty submerged lands or the applicant's use and construction of

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structures on sovereignty submerged lands. This duty to indemnify and hold harmless will include any and all liabilities that are associated with the structure or activity including special assessments or taxes that are now or in the future assessed against the structure or activity during the period of the authorization.

11. Failure by the Board of Trustees to enforce any violation of a provision of the authorization or waiver by the Board of Trustees of any provision of the authorization will not invalidate the provision not enforced or waived, nor will the failure to enforce or a waiver prevent the Board of Trustees from enforcing the unenforced or waived provision in the event of a violation of that provision.

12. Applicant binds itself and its successors and assigns to abide by the provisions and conditions set forth in the authorization. If the applicant or its successors or assigns fails or refuses to comply with the provisions and conditions of the authorization, the authorization may be terminated by the Board of Trustees after written notice to the applicant or its successors or assigns. Upon receipt of such notice, the applicant or its successors or assigns will have thirty (30) days in which to correct the violations. Failure to correct the violations within this period will result in the automatic revocation of this authorization.

13. All costs incurred by the Board of Trustees in enforcing the terms and conditions of the authorization will be paid by the applicant. Any notice required by law will be made by certified mail at the address shown on page one of the authorization. The applicant will notify the Board of Trustees in writing of any change of address at least ten days before the change becomes effective.

14. This authorization does not allow any activity prohibited in a conservation easement or restrictive covenant that prohibits the activity.

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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 a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

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, 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, or via electronic correspondence at Agency_Clerk@FloridaDEP.gov. 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 14 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 14 days of publication of the notice or within 14 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 to Rule 62-110.106(10)(a).

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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@FloridaDEP.gov, 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.

Permittee: FDEP Permit No: 0348333-002-EI/03 Page 15 of 17

Thank you for applying to the Submerged Lands and Environmental Resource Permit Program. If you have any questions regarding this matter, please contact Leah Wilkins and Alyssa Tessier at the letterhead address, at (850)595-0559 and (850)595-0685, or at Leah.Wilkins@FloridaDEP.gov and Alyssa.Tessier@FloridaDEP.gov.

EXECUTION AND CLERKING

Executed in Pensacola, Florida. STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Kimberly RAlle

Kimberly R. Allen Permitting Program Administrator

Attachments: Exhibit 1, Project Drawings and Design Specs., 32 pages Exhibit 2, Operation and Maintenance Plan, 6 pages

Copies of 62-330 forms may be obtained at: <u>https://floridadep.gov/water/submerged-lands-</u> environmental-resources-coordination/content/forms-environmental-resource

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Kimberly R. Allen, FDEP, <u>Kim.Allen@FloridaDEP.gov</u> Blake Chapman, FDEP, <u>Blake.A.Chapman@FloridaDEP.gov</u> Russell Sullivan, FDEP, <u>Russell.Sullivan@FloridaDEP.gov</u> Leah Wilkins, FDEP, <u>Leah.Wilkins@FloridaDEP.gov</u> Alyssa Tessier, FDEP, <u>Alyssa.Tessier@FloridaDEP.gov</u> Savannah Cowen, FDEP, <u>Savannah.Cowen@FloridaDEP.gov</u> Mark Sumner, FDEP, <u>Mark.C.Sumner@dep.state.fl.us</u> David Matson, FDEP, <u>david.matson@floridadep.gov</u> Signe Ulsamer, George & Associates Consulting Engineers, <u>sulsamer@gaceng.net</u> James Peterson, George & Associates Consulting Engineers, <u>jpeterson@gaceng.net</u> Bay County, jcyr@baycountyfl.gov, dtharp@baycountyfl.gov, kbryant@baycountyfl.gov, mlopushinsky@baycountyfl.gov, agolden@baycountyfl.gov

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Rachertarris

<u>April 1, 2025</u> Date

Clerk

Permittee: FDEP Permit No: 0348333-002-EI/03 Page 16 of 17





| ABL | BREVIATIONS |
|-------------------------------|---|
| A.F.F. A.H.U. | . Above finished floor |
| ALUM ALT APPROX | ALUMINUM ALTERNATE APPROXIMATE |
| BD. BLDG. BLK | |
| BLKG. BLT. BRK. | BLOCKING BUILT |
| BRKR. BSMT. | BREAKER BASEMENT |
| CLG. CLG. | CONTROL JUINI CEILING CLEAR |
| CNU C.O CONC. | |
| CU. FT. CU. IN. CU. YD. | CUBIC FOOT CUBIC INCH CUBIC YARD |
| DIA./ø. DBL | |
| DBT. DEG DEPT. | .DRY-BULB TEMPERATURE DEGREE DEPARTMENT |
| DF DISC DL | DRINKING FOUNTAIN DISCONNECT DEAD LOAD |
| DN D.S DWG | |
| E.F EXH EXP, JT. | EXHAUST FAN EXHAUST EXHAUST EXPANSION JOINT |
| EXT FIN . | EXTERIOR |
| FL. FLUOR. FP. | FLOOR FLUORESCENT FIREPLACE |
| FR . FT FTG | |
| GALV GFL . | |
| GOV'T. GR.FL. GYP. | |
| H.C H.D.G. | HOLLOW CORE |
| HDR . HDWR. H.P | |
| HT HTR HV | |
| HVAC HWY | AND AIR CONDITIONING HIGHWAY |
| ID IN | INSIDE DIAMETER |
| INCAND. INCL . INSUL . | |
| INV. EL. | INVERT ELEVATION |
| KD. KW. KWH | KILN DRIED |
| LAM | LAMINATED |
| LB. LTG. LTG. | POUND LIGHTING LENGTH |
| LIN. LL | |
| MANUF MAX MF | · · · · · · · MANUFACTURE · · · · · · · · · MAXIMUM · · · · · · MILL FINISH |
| MIN MLDG. MHW | MINIMUM MOLDING MEAN HIGH WATER |
| MHHW. MLW MLLW MSI | .MEAN HIGHER HIGH WATER |
| MOD. | |
| NO./#. OA | NUMBER |
| 0.C. 0.D. 0FC. | ON CENTER |
| OPP. | |
| PARTN PC. PCF. | PORTLAND CEMENT POUNDS PER CUBIC FOOT PROFESSIONAL ENGINEER |
| PERF PERP. PL | |
| PLG. PLYWD. PNL | |
| PREFAB. PRELIM. PSF. | PREFABRICATED PRELIMINARY POUNDS PER SQUARE FOOT |
| PSI P.T. | POUNDS PER SQUARE INCH |
| ЧЗ R | |
| REBAR. REFRIG. REINE | REINFORCING BAR REFRIGERATION REINFORCING |
| RFG. RGH . RM | ROOFING ROUGH ROOM |
| R.O RS | ROUGH OPENING |
| S.C. SCH SDG | |
| SECT SFTWD. SGD | SECTION SOFTWOOD SLIDING GLASS DOOR |
| SPEC SPEC SPR . SO | SPECIFICATION SPECIFICATION SPRUCE SOLIARE |
| SQ. FT. SQ. IN. SQ. YD. | SQUARE FOOT SQUARE INCH SQUARE YARD |
| SS. STL. SUB. FL. | |
| SUP. SW. SYM. | SUPPLY SWITCH |
| 5.1.P. SYS S4S | |
| TEL T&G TYP | |
| U.E U.G. | UNDERGROUND ELECTRIC |
| UL . | |

VENTILATOR VENT. VERT. VIF. VOL. VP. VTR. VERIFY IN FIELD VERIFY IN FIELD VOLUME VENT PIPE VENT THRU ROOF

WATER WET BULB TEMPERATURE WATER CLOSET WOOD WATERPROOF WELDED WIRE FABRIC



REFERENCE LEGEND





GEORGE & ASSOCIATES CONSULTING ENGINEERS, INC. 1967 COMMONWEALTH LANE, SUITE 200 TALLAHASSEE, FL 32303 CERTIFICATE OF AUTHORIZATION: 7879 JAMES H. PETERSON, P.E. NO. 80485

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES H. PETERSON, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



APPLICABLE CODES AND DESIGN DATA

<u>CODE LIST</u>

| FLORIDA BUILDING CODE, BUILDING (FBC-B) | 2023 | Edition |
|--|--------|---------|
| FLORIDA BUILDING CODE, FUEL GAS (FBC–FG) | 2023 | Edition |
| FLORIDA BUILDING CODE, MECHANICAL (FBC-M) | 2023 | Edition |
| FLORIDA BUILDING CODE, PLUMBING (FBC-P) | 2023 | Edition |
| FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB) | 2023 | Edition |
| FLORIDA BUILDING CODE, RESIDENTIAL (FBC-R) | 2023 | Edition |
| FLORIDA FIRE PREVENTION CODE (FFPC) I | Latest | Edition |
| VATIONAL ELECTRICAL CODE NFPA-70 I | Latest | Edition |
| FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONST I | Latest | Edition |
| FDOT STANDARD PLANS FOR ROAD CONSTI | Latest | Edition |
| FLORIDA ACCESSIBILITY CODE | 2023 | Edition |

SEE LSOO1 FOR DESIGN DATA

CENSE

No 80485

☆

STATE OF



CAMP HELEN STATE PARK

DISTRICT 1 BAY COUNTY

PARK IMPROVEMENT

PROJECT # 61307C - N3803



SCOPE OF PROJECT

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, AND PERMITTING TO SUCCESSFULLY CONSTRUCT ROADWAY ALTERATIONS, NEW DRIVEWAY, ENTERANCE PARKING AREA, RESTROOM, PAVILIONS, ADA ACCESSIBLE WALKWAYS, RAMPS, STAIRWAY, ADA ACCESSIBLE CANOE/KAYAK LAUNCH, AND ANY OTHER SITE WORK PER THE CONTRACT DOCUMENTS.

THE CONSTRUCTION OF A DAY-USE RESTROOM FACILITY CONSISTING OF 650 GSF OF ENCLOSED AREA INCLUDING A MEN'S RESTROOM, WOMEN'S RESTROOM, UNISEX RESTROOM AND CHASE AREA. THESE AREAS ARE NATURALLY VENTILATED. AN OPEN BREEZEWAY SHELTERS A VENDING AREA, THE ENTRANCES INTO THE RESTROOMS, AND A HIGH-LOW WATER FOUNTAIN. ALL WORK MUST BE PERFORMED PER CODE. ADA COMPLIANCE MUST BE MAINTAINED.

| JAMES | Η. | PETERSON | $ \vee$, | P.E. |
|-------|----|----------|-----------|------|
| _ | | DESIGNER | | |

CN539-TA01 CONSULTANT CONTRACT No.

FEBRUARY 14, 2025 100% PLANS INITIAL ISSUE DATE

| <u>Sheet NUMBer</u> GOO1 | COVER PAGE |
|--|---|
| LSOO1 | EGRESS PLANS |
| A001 | LEGENDS & LOUVER DETAILS |
| A101 | FLOOR & REFLECTED CEILING PLAN |
| A102 | ROOF PLAN |
| A201 | EXTERIOR ELEVATIONS |
| A301 | BUILDING SECTIONS |
| A302-303 | WALL SECTIONS |
| A401 | ENLARGED PLAN |
| A402-403 | INTERIOR ELEVATIONS |
| A601 | SCHEDULES |
| C003 C004 C005 C201-202 C301 C302 C303 C304 C305 C306 C401 C402 C403 C404 C405-406 C407-408 C409 C410 | GENERAL NOTES PROJECT LOCATION MAP TYPICAL SECTIONS DEMOLITION & EROSION CONTROL PLAN SITE PLAN NORTH SIDE PICNIC AREA PROPOSED UTILITY PLAN NORTH SIDE PICNIC AREA DRIVEWAY PLAN & PROFILE SITE PLAN TURN LANES ADA KAYAK LAUNCH PLAN & PROFILE LANDSCAPE PLAN NORTH PICNIC AREA GRADING PLAN NORTH PARKING LOT GRADING PLAN NORTH DRIVEWAY GRADING PLAN ADA KAYAK LAUNCH GRADING PLAN EAST BOUND TURN LANE CROSS SECTIONS WEST BOUND TURN LANE CROSS SECTIONS MULTI-USE PATH CROSS SECTIONS |
| C410 | CUNCRETE PATH EXTENSION CRUSS SECTIONS |
| C501 | DRAINAGE PLAN THRN LANES |

| | Area or Amperes American Automobile Association |
|--|--|
| ABC | Asphalt Base Course |
| ABS | Acrylonitrite-Butadiene-Styrene Pipe |
| Asph. Conc. | Asphaltic Concrete |
| Act. | Actuated The Americans With Disabilities Act |
| Adh. Adi. | Adhesive Adjust |
| ADT ADT | Average Daily Traffic Annual Average Daily Traffic |
| Agg. AISC | Aggregate American Institute Of Steel Construction |
| Alt. | Alternate |
| ANSI AOS | American National Standards Institute Apparent Opening Size |
| Appl. | Applied, Application Approximate |
| Artf. Asph. | Artificial Asphalt |
| Assem. | Assembly Association |
| Assoc. ASTM | Associate, Association American Society For Testing Materials |
| ATPB Attn. | Asphalt Treated Permeable Base Attention |
| Attnuatr. Aux. | Attenuator Auxiliary |
| Ave. AWG | Avenue American Wire Gauge |
| AWS Az. | American Welding Society Azimuth |
| 3 to B | Back to Back |
| 3d. or Bnd. 3E | Bond or Bonded Buried Electric |
| Beg. Bit. | Begin Bituminous |
| 3k. 3L, BLC | Back Base Line, Base Line Control |
| Bldg. Blkhd. | Building Bulkhead |
| Blvd. BM | Boulevard Bench Mark |
| Bndry. Bdr. | Boundary Border |
| 30t. 30 | Bottom Basin Outlet |
| 30S 3r. | Beginning Of Survey Bridge |
| Brg. Brkwy. | Bearing Breakaway |
| BT BW | Buried Telephone Cable or Duct Barbed Wire, Bottom Width or Both Ways |
| C/G | Curb And Gutter |
| CA Cap. | Coarse Aggregate Capacity |
| CAP Caps. | Corrugated Aluminum Pipe Capital Letters |
| CASP | Corrugated Aluminized Steel Pipe Cable Television |
| C C C | Catch Basin Concrete Box Culvert |
| XBS | Concrete Box Structure |
| CEW | Center to Center Each Way |
| iem. | Cemetery Cubic Feet Per Second |
| / | Cast Iron |
| JPL Dir or sire | Cast In Place Circle or Circular |
| sirc. | Circumference |
| L, | Center Line Center Line |
| MB | Concrete Median Barrier |
| CMPA | Corrugated Metal Pipe Arch |
| Col. | Column |
| Const. | Construct or Construction |
| Contr. | Contractor |
| Joora. Corr. | Coordinate Corrugated |
| VPE VPE | Corrugated Polyethylene Pipe |
| S | Curve To Spiral Carrugated Steel Pipe |
| T T TPR | Clear Trunk Cement Treated Permeable Base |
| Str. | Center Culvert |
| CY CY | Cubic Yard |
|) | Degree Of Curvature, Depth, Density, Distance, Diameter |
| | or Directional Distribution |
|)A)RH | Deflection Angle Diameter At Breast Height |
|)bl. | Double Degree Of Curvature (Spiral) |
|)D | Dry Density / Design Document |
|)ept.)ept. | Degree Department |
|)GN or Dgn.)HV | Design Design Hourly Volume |
|)HW Dia or D | Design High Water Diameter |
|)im.)ist. | Dimension Distance |
|)isp. | Disposal Department Of Transportation |
|)R)riv | Design Review Driven |
|)rwy. | Driveway Design Speed |
|)SL | Design Service Life |
| | Fast or External Distance |
| to F | Rate Of Superelevation End to End |
| A or Ea. | Each |
| I. or Elev. | Elevation |
| Illip. Ingr. | Elliptical Engineer |
| IOS IOP | End Of Survey or Equivalent Opening Size Edge Of Pavement |
| q. | Equation or Equal Equipment |
| 1 | |
| Ismt. Exist. | Easement Existing |
| smt. Exist. Exp. | Easement Existing Expansion |
| smt. xist. xp. f or Final f & I | Easement Existing Expansion Final Quantity Furnish & Install |
| smt. xist. xp. or Final & I to F | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Agaregate |
| smt. ixist. for Final f& I for F A A AC | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project |
| smt. ixist. ixist. i cor Final i do F i to F i AC i AC i AP i C D | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project Friction Course French Drain |
| smt. ixist. for Final f & I f to F A AC AP C D dan. FE | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project Friction Course French Drain Foundation Finish Floor Elevation |
| smt. ixist. ixist. i for Final i for F i for F | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project Friction Course French Drain Foundation Finish Floor Elevation Federal Federal Federal Federal Federal Fertilizer |
| smt. ixis | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project Friction Course French Drain Foundation Finish Floor Elevation Federal Fertilizer Flared End Section Flared End Terminal Section |
| smt. ixist. ixp. for Final f& I for F A A A A A C D C D C D C d n. iFE fed. iert. E S S H H H W A | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project Friction Course French Drain Foundation Finish Floor Elevation Federal Fertilizer Flared End Section Flared End Terminal Section Fire Hydrant Federal Highway Administration |
| smt. ixist. ixist. f or Final f & I f to F f A f A f A f A f A f A f A f A f A f A | Easement Existing Expansion Final Quantity Furnish & Install Face to Face Federal Aid or Fine Aggregate Florida Administrative Code Federal Aid Project Friction Course French Drain Foundation Finish Floor Elevation Federal Fertilizer Flared End Section Flared End Section Fire Hydrant Federal Highway Administration |

| Fig. | Figure |
|---------------------------|---|
| Fin. | Finish |
| FIR | Found Iron Rod |
| FIP | Found Iron Pipe |
| Flex. | Flexible |
| FNC | Found Nail & Cap |
| FNL | Found Nail |
| FOC | Fiber Optics Cable |
| FPM or fpm | Feet Per Minute |
| FRP | Fiber Reinforced Pipe |
| FPS or fps | Feet Per Second |
| FR or Fr. | Frame |
| Frana. | Francible |
| Freq. | Frequency |
| FS, F.S. | Far Side, Florida Statutes |
| FTB Fut. | Floating Turbidity Barrier Floating Turbidity Barrier Future |
| Galv. | Galvanized |
| Ga. | Gauge or Gage |
| Ga. / Gal. | Gallon |
| GD | Gutter Drain |
| GIP | Galvanized Iron Pipe |
| GM | Gas Main |
| GP | Grade Point |
| Gr | Grade Guardrail or Grate |
| Gr. or Gro. GRC Crd | Group |
| grass km | Gross Kilometer |
| Gr. Wt. | Gross Weight |
| Gttr. | Gutter |
| Gy | Gray |
| HAR | Highway Advisory Radio |
| HB | Hay Bales |
| HC | Horizontal Clearance |
| HD | High Density or Heavy Duty |
| HD or Hd. | Head |
| Hdwl. | Headwall |
| Hndrl | Handrail |
| Horiz. | Horizontal |
| HP | High Pressure or Horsepower |
| Hr. | Hour |
| HS | High Strength |
| HSHV | High Strength Horizontal Vertical |
| Ht. HW or H.W. | High Water or Hot Water |
| Hyd. | Hydrant or Hydraulic |
| IMC | Instered ate Metal Conduit |
| Inc. | Incorporated or Including |
| Ind. | Industry or Industrial |
| INV. or Inv. | Invert |
| Install. | Installed |
| Isect. | Intersection |
| IR ITE | Iron Rod Iron Rod Institute Of Transportation Engineers |
| JB | Junction Box |
| JCt. | Junction |
| St. K | Design Hour Factor or Kelvin |
| kg/m2 kg/m3 | Kilogram Per Meter Kilogram Per Square Meter Kilogram Per Cubic Meter |
| Kilo | One Thousand |
| Kip | 1000 Pounds |
| kn | Knot |
| L | Length, Length Of Curve, Liter, Left |
| Lat. | Lateral or Latitude |
| Lb. | Pound |
| Ib/sy | Pounds Per Square Yard |
| LBR | Limerock Bearing Ratio |
| LC | Line Chord |
| Lin. | Linear |
| lm Lmrk. LOS | Lumerock Limit Of Clear Sight |
| Loc., LU | Location |
| Long. | Longitude |
| LS | Length Of Spiral |
| LI | Left Turn |
| Lt. | Left |
| Ltd. | Lighted or Limited |
| Lum. | Luminaire |
| L/W | Lightweight |
| Maint. | Maintenance |
| Matl. | Material |
| Max. | Maximum |
| Med. | Median |
| MES | Mitered End Section |
| Mfg. | Manufactured or Manufacturer |
| MH, M.H. | Manhole, Mounting Height |
| MHW | Mean High Water |
| Mi. | Mile |
| Mid. | Middle |
| Min. | Minimum or Minute |
| Misc. | Miscellaneous |
| MLW | Mean Low Water |
| Mobl. | Mobilization |
| Mod. | Modify or Modified |
| Mon. | Monument |
| MOT | Maintenance Of Traffic |
| MSE | Mounted |
| Mtd. | Monual On Uniform Traffic Control Device |
| MUTCD | Manual On Uniform Traffic Studios |
| | North or Newton |
| NA OF N/A NAVD NC | National American Vertical Datum National Coarse or Normal Crown |
| NGVD NGS | National Electrical Manufacturers Association National Geodetic Vertical Datum of 1929 National Geodetic Survey |
| NHS | National Highway System |
| NHW | Normal High Water |
| NIC | Not In Contract |
| NTS | Not To Scale |
| NW | Northwest |
| Opass | Overpass |
| O to O, | Out to Out |
| OA | Overall |
| 0.B.G. | Optional Base Group |
| OC or 0.C. | On Center |
| OD or 0.D. | Outside Diameter |
| OE | Overhead Electric |
| OH, | Overhead |
| Ont | Option Optional or Optically |
| OT | Overhead Telephone |
| Oz. | Ounce |
| P | Passenger Car & Light Delivery Truck |
| Part. | Participation or Partition |
| Pavt. | Pavement |
| PC | Point Of Curvature |
| PE | Professional Engineer |
| Ped | Pedestrian or Pedestal |
| Pen. PG PCI | Penetration Profile Grade |
| pH | Measure Of Acidity or Alkalinity |
| PI | Point Of Intersection |
| PI cr P - | Property Line or Plate |
| POB POC POST | Point of Beginning Point Of Commencement |
| POT | rome on semi-langent |
| PRC | Point On Tangent |
| Proct | Point Of Reverse Curvature |
| Prest. | rrestressed |
| Prob. | Probability |
| Prod. | Product, Production, Producer or Produced |
| | |

| Prog. | Program or Progression |
|---|--|
| Proj. | Project or Projection |
| PS & E | Plans, Specifications And Estimates |
| PT | Point Of Tangency or Pressure Treated |
| PVC | Polyvinyl Chloride |
| PRC | Point Of Reverse Curvature |
| Prost. | Precast |
| Prest. | Prestressed |
| Proi. | Project or Projection |
| Q | Peak Discharge or Flow Volume |
| QPL | Qualified Products List |
| R R or Rad. R or Rng. RCP RCPA Rd. Rdsd. Rdwy. Rect. Ref. Reg. Reinf. Reg. Reinf. Reloc. Req. RPM r/s RR RR RR Rt. R/W, ROW | Right Radius Range Reverse Crown Reinforced Concrete Pipe Reinforced Concrete Pipe Arch Road or Round Roadside Roadside Roadsway Reticuline or Rectangular Reference Region, Regular, Registered or Regulation Reinforced or Reinforcing Relocated Required Raised Reflective Pavement Markers Revolution Per Second Railroad Right Right Of Way |
| S or s | Speed, South, Seimens, Or Second |
| SAN or San. | Sanitary |
| Sch. | Schedule |
| SCST | Sand-Clay Surface Treatment |
| SD | Side Drain, Storm Drain |
| SE | Southeast |
| Seq. | Sequential |
| Serv. | Service |
| SF | Silt Fence |
| Sht. | Sheet |
| SHW Spec. Sq. Ft.,/S.F. Sq. In. Sq. Yd.,/S.Y. SR or S.R. SRD SS St. or ST. Std. Stl. Sub. or Subst. Sub. or Subst. Subgr. SUR or Sur. Surf. | Seasonal High Water Specification Square Foot Square Inch Square Yard State Road Department Sanitary Sewer Street Station Standard Steel Substitute Subgrade Survey Surface |
| T TBM TC TCB TCE TCP TCZ TDLC Tel. Temp. Thick. Tn. Trans. TS TSC TSC TTC Typ. | Tangent, Length Of Curve, Temporary Bench Mark Tangent To Curve Temporary Concrete Barrier Temporary Construction Easement Terra Cotta Pipe Traffic Control Zone Transportation Design For Livable Communities Telephone Temperature or Temporary Thickness Ton Transition, Transverse, Tangent To Spiral Length Of Tangent (Spiral Curve) Temporary Traffic Control Typical |
| UAO | Utility Agent/Owner |
| Upass. | Underpass |
| UG | Underground |
| UL | Underwriters Laboratories |
| UItd. | Unlimited |
| Unddr. | Underdrains |
| Undrdwy. | Underroadway |
| USC & GS | US Coast and Geodetic Survey |
| USCS | US Geological Survey |
| USPS | United States Postal Service |
| Util. | Utilities |
| V Var. VC VCP Vert. Vh Vol. VP VPD or Vpd. VPH or Vph. VPHPL or Vphpl. VRMS Vv VW | Volt, Velocity, Volume or Hourly Volume Varies, Variable or Variance Vertical Curve Vitrified Clay Pipe Vertical Verified Horizontal Location Volume Vertical Panel Vehicles Per Day Vehicles Per Hour Vehicles Per Hour Vehicles Per Hour Per Lane Volts Root Mean Square Verified Vertical Elevation Variable Width |
| W | Width, Wide, West or Watt |
| WB | Westbound |
| Wb. | Weber |
| WB40 | Intermediate Semi Trailer |
| WB50 | Large Semi Trailer |
| WB60 | Tandem Semi Trailer |
| WM | Water Main |
| WT | Water Table Or Weight |
| WWF | Welded Wire Fabric |
| X | Coordinate Value (East-West Direction) or Extra |
| X Rd. | Cross Road |
| Xing. | Crossing |
| Xsec. | Cross Section |
| Y | Coordinate Value (North-South Direction) |
| TREE LEGEND | |
| | |
| | TREE CANOPY |
| (| |





TREE SPECIES

EXISTING TREE TO BE REMOVED

GENERAL NOTES

<u>CIVIL GENERAL NOTES:</u>

- 1. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE PERFORMED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH O.S.H.A. REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT (SEE NOTE 16) MUST BE INCLUDED IN THE CONTRACTOR'S PRICE FOR PERFORMING THE WORK.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS. FITHER SURFACE OR SUBSURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVÉ THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT. THE CONTRACTOR IS URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THIS PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF THE PROJECT.
- 3. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE OWNER FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- 4. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 5. "AS-BUILT" DRAWINGS AS-BUILT DRAWINGS ARE REQUIRED TO BE PROVIDED AND SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR. THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION, AND SUBMITTAL OF "AS-BUILT" DRAWINGS.
- 6. "AS-BUILT" RECORD DATA AND INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR. RECORD DRAWINGS SHALL BE SUPPLIED TO THE BDC, DODSTONE ARCHITECTS, AND GEORGE & ASSOCIATES CONSULTING ENGINEERS, INC.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.
- 8. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR ON A WEEKLY BASIS.
- 9. ALL EXCESS UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE.
- 10. ALL EXISTING TREES TO REMAIN SHALL BE PRESERVED AND PROTECTED, EXCEPT FOR REMOVAL AS REQUIRED FOR CONSTRUCTION.
- 11. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES, AND IMPROVEMENTS SHOWN ON THE DRAWINGS IS BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO THE ACTUAL FIELD LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY. THE DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITIES AND IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR AND SHALL REPAIR OR PAY FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS, AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH HE SHALL CONNECT.
- 12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL MATERIALS, FOR REVIEW AND APPROVAL, PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY PIPE OR STRUCTURE.
- 13. UNSUITABLE MATERIALS BENEATH WATER AND SEWER PIPE AND/OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACK FILL PROPERLY COMPACTED IN ACCORDANCE WITH
- SPECIFICATIONS 14. ALL WATER & SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489 FLORIDA STATUTES.
- 15. CONTRACTOR SHALL PROVIDE SEDIMENT AND EROSION CONTROL DURING THE ENTIRE DURATION OF THE PROJECT. ALL JURISDICTIONAL WETLANDS SHALL BE PROTECTED FROM SEDIMENTATION AND EROSION AS WELL AS ENCROACHMENT OF ANY KIND. ANY WETLAND JURISDICTIONAL LINES ARE SHOWN ON THE PLANS FOR REFERENCE. CONTRACTOR SHALL MEET THE REQUIREMENTS SET FORTH BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE U.S. ARMY CORPS OF ENGINEERS AS RELATED TO JURISDICTIONAL WETLANDS.
- 16. CONTRACTOR SHALL COMPLY WITH THE CURRENT FLORIDA TRENCH SAFETY ACT (F.S. 553.60-553.64) AND THE OSHA EXCAVATION SAFETY STANDARDS 29. CFR PART 1926.650 SUBPART P. WHERE TRENCH EXCAVATION EXCEEDS 5 FT IN DEPTH, SEE FLORIDA STATUTE 553.60-553.64.
- 17. CONTRACTOR SHALL COMPLY WITH STORM WATER POLLUTION PREVENTION PLAN. A COPY OF THIS PLAN AND FORMS ARE INCLUDED IN THE SPECIFICATIONS.

AS BUILT / RECORD DRAWINGS:

- CONTRACTOR SHALL PROVIDE GEORGE & ASSOCIATES CONSULTING ENGINEERS TWO SIGNED AND SEALED COPIES OF AS-BUILT DRAWINGS OF ALL FINISHED IMPROVEMENTS.
- 2. CONTRACTOR SHALL PROVIDE THE BDC, DODSTONE ARCHITECTS, AND GEORGE & ASSOCIATES CONSULTING ENGINEERS AS-BUILT DRAWINGS OF ALL FINISHED IMPROVEMENTS IN PDF AND DWG
- 3. AS-BUILT DRAWINGS TO BE PERFORMED AND CERTIFIED BY A FLORIDA LICENSED PROFESSIONAL
- LAND SURVEYOR. 4. AS-BUILT DRAWINGS SHALL BE SUBMITTED AFTER COMPLETION OF ALL IMPROVEMENTS AND
- PRIOR TO FINAL INSPECTION. 5. AS BUILT DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO:
- A. FINISHED FLOOR ELEVATIONS FOR ALL BUILDINGS.
- B. SHOW ENTIRE SANITARY SEWER CONVEYANCE SYSTEM INCLUDING THE SIZE TYPE AND INVERT OF ALL PIPES AND MANHOLES. MANHOLES SHALL INCLUDE "X" AND "Y" COORDINATES. C. SHOW ENTIRE POTABLE WATER SYSTEM INCLUDING THE SIZE AND TYPE OF ALL PIPES AND
- LOCATIONS OF APPURTENANCES.
- D. SHOW ENTIRE FIRE WATER SYSTEM INCLUDING THE SIZE AND TYPE OF ALL PIPES AND LOCATIONS OF APPURTENANCES.
- E. SHOW ENTIRE STORM WATER CONVEYANCE SYSTEM INCLUDING THE SIZE TYPE AND INVERT OF ALL PIPES, CHANNELS, ROOF DRAIN SYSTEMS, STRUCTURES, CURBING AND SPOT SHOT ELEVATIONS IN VEHICLE USE AREAS. DRAINAGE STRUCTURES SHALL INCLUDE "X" AND "Y" COORDINATES.
- F. SHOW ALL SIDEWALK AND VEHICLE USE AREAS. PROVIDE ADEQUATE SPOT ELEVATIONS TO VERIFY ADA COMPLIANCE FOR REVIEW BY ENGINEER AND ADA COMPLIANCE REPORT.
- G. SHOW ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, SIGNALS, PARKING STRIPPING AND PAVEMENT MARKINGS.
- H. SITE DATA TABLE TO INCLUDE IMPERVIOUS AREAS, URBAN FOREST AREAS, GREEN SPACE AREAS, AND NUMBER OF PARKING SPACES.
- I. POST CONSTRUCTION TREE SURVEY INCLUDING LOCATION, SIZE AND SPECIES OF ALL EXISTING AND NEW TREES INCLUDING URBAN FOREST AND REPLANTED TREES AND IRRIGATION SYSTEMS.
- J. DELINEATE CONSERVATION AND DRAINAGE EASEMENT BOUNDARIES AND LABEL WITH THE "OR" BOOK AND PAGE NUMBER.
- K. POST DEVELOPMENT SITE DATA TABLE INCLUDING IMPERVIOUS AREA, URBAN FOREST AREA, GREEN_SPACE AREA, NUMBER OF STANDARD PARKING STALLS, NUMBER ADA PARKING STALLS PROVIDED.
- L. DELINEATE ALL UTILITIES CAPPED WITH "X" "Y" "Z" COORDINATES. M. ANY ADDITIONAL ITEMS REQUIRED BY PERMITTING JURISDICTION.

DESIGN STANDARDS:

- 1. THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, UNLESS OTHERWISE NOTED.
- 2. THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 3. 2023 FLORIDA BUILDING CODES, 8TH EDITION.
- 4. FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTORS MANUAL, LATEST
- 5. INLET BEACH WATER SYSTEM STANDARD DESIGN AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.

<u>CONSTRUCTION SEQUENCE:</u>

- 1. CONSTRUCT EROSION AND SEDIMENT CONTROL PRACTICES AS DESCRIBED IN THE APPROVED FROSION CONTROL PLAN.
- 2. ESTABLISH MAINTENANCE OF TRAFFIC PLAN WITH PARK MANAGER.
- 3. CONTRACTOR SHALL PROVIDE CONSTRUCTION SEQUENCE TO FDEP, PARK MANAGER, ENGINEER AND ARCHITECT. 4. DESIGNATE EMPLOYEE PARKING AREAS, MATERIALS STORAGE AREAS, AND TOPSOIL STORAGE
- 5. CONSTRUCT ALL IMPROVEMENTS AS INDICATED IN THE PLANS AND SPECIFICATIONS.
- 6. REMOVE ALL STOCKPILE FROM SITE, INSTALL LANDSCAPING. SOD ALL DISTURBED AREAS.
- 7. PRIOR TO FINAL CLOSE-OUT, THE CONTRACTOR SHALL FURNISH THE ARCHITECT, ENGINEER AND THE OWNER'S PROJECT MANAGER WITH SIGNED AND SEALED COPIES OF THE AS-BUILT SURVEY AND A COMPLETE SET OF RECORD DOCUMENTS.
- 8. FIELD INSPECTION AND CLEAN UP.

<u>ADA COMPLIANCE NOTES:</u>

THE CONTRACTOR WILL BE HELD ACCOUNTABLE DURING CONSTRUCTION FOR ALL SITE IMPROVEMENTS. COMPLIANCE WITH FLORIDA STATUTES 553.5041 (F.S.), AND THE 2023 FLORIDA BUILDING CODE, ACCESSIBILITY, BTH EDITION (FBC-A), IS MANDATORY. IF NON-COMPLIANT AT FINAL INSPECTION, CONTRACTOR WILL BE REQUIRED TO MODIFY CONSTRUCTION TO COMPLY WITH F.S. AND FBC-A. THE FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER SITE DETAILS ON DRAWINGS:

- 1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE NO LESS THAN 44" WIDE SO THAT USERS WILL NOT BE COMPELLED TO WALK OR WHEEL BEHIND PARKED VEHICLES EXCEPT BEHIND HIS OR HER OWN VEHICLE. \$208.1 AND \$502.3, FBC–A AND F.S. 553.5041.
- 2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM THE ACCESSIBLE (H/C) PARKING TO AN ACCESSIBLE ENTRANCE. \$208.3.1 FBC-A AND F.S. 553.5041(5)(B).
- 3. ACCESSIBLE PARKING SPACES SHALL BE 12' WIDE , AND OUTLINED WITH BLUE PAINT. §502.2 AND §502.6, FBC-A
- 4. ACCESS AISLES REQUIRED ADJACENT TO PARKING SPACES SHALL BE 5' WIDE WITH DIAGONAL STRIPING. \$502., FBC-A
- 5. ACCESSIBLE PARKING AND ACCESS AISLES SHALL BE LEVEL (NOT TO EXCEED 1:48) ON A STABLE FIRM & SLIP RESISTANT SURFACE. RE: \$302.1, \$502.3. FBC-A
- 6. ACCESSIBLE PARKING SIGNS SHALL BE FDOT APPROVED AND SHALL READ 'PARKING BY DISABLED PERMIT ONLY' AND SHALL INDICATE A \$250 FINE FOR ILLEGAL USE. INSTALL SIGNS A MINIMUM 60" (INCHES) FROM THE GROUND TO THE BOTTOM OF THE SIGN(S). RE: \$502.6 AND F.S 553.5041.
- 7. CURB RAMPS SHALL NOT EXCEED 1:12 SLOPE, AND CURB RAMP FLARES SHALL NOT EXCEED 1:10 SLOPE. CURB RAMPS AND FLARED SIDES SHALL NOT ENCROACH UPON PARKING SPACES, ACCESS AISLES, OR VEHICULAR TRAFFIC LANES. THE COUNTER SLOPE OF ADJACENT ROAD SURFACES & GUTTERS SHALL NOT EXCEED 1:20. RE: \$405.2, §406., FBC—А
- 8. CURB RAMPS SHALL HAVE A LANDING WITH A MINIMUM CLEAR LENGTH OF 36" SHALL BE LOCATED AT THE TOP SIDE OF EACH CURB RAMP, A CLEAR WIDTH AT LEAST AS WIDE AS THE CURB RAMP (EXCLUDING FLARED SIDES) LEADING TO IT. EXCEPTION: FOR ALTERATIONS, WHERE THERE IS NO LANDING, CURB RAMP FLARES SHALL BE PROVIDED, AND SHALL NOT BE STEEPER THAN 1:12 SLOPE. RE: \$406, FBC-A
- 9. ALL RAMPS WITH A RISE GREATER THAN 6" SHALL PROVIDE EDGE PROTECTION COMPLYING WITH \$405.9 FACBC. RAMPS SHALL HAVE 60" MIN LEVEL LANDINGS AT THE TOP & BOTTOM. RE: §405.7. FBC-A.
- 10. ALL RAMPS WITH A RISE GREATER THAN 6" SHALL PROVIDE EDGE PROTECTION COMPLYING WITH \$405.9 FACBC. RAMPS SHALL HAVE 60" MIN LEVEL LANDINGS AT THE TOP & BOTTOM. RE: \$405.7. FBC-A.
- 11. ACCESSIBLE ROUTES TO "MAIN ENTRY" FROM AN ACCESSIBLE PARKING SPACE, AND FROM THE "PUBLIC WAY", SHALL NOT EXCEED 1:20 SLOPE (UNLESS RAMPS, HANDRAILS WITH PROPER EXTENSIONS ARE PROVIDED) WITH CROSS SLOPE NOT IN EXCESS OF 1:48. RE: \$206, \$402 AND \$403., FBC-A.
- 12. CONNECT BUILDINGS WITHIN THE SAME SITE WITH AN ACCESSIBLE ROUTE WHICH SHALL NOT EXCEED 1:20 SLOPE (UNLESS RAMPS AND HANDRAILS ARE PROVIDED) AND A MAXIMUM CROSS SLOPE OF 1:48. RE: §206 FBC-A.

PROJECT SPECIFIC NOTES:

- 1. SHOP DRAWINGS FOR THE PICNIC PAVILIONS, ADA FLOATING KAYAK LAUNCH, NEW SIGNS, GRINDER PUMP STATION, PIPES, VALVES, DRAINAGE STRUCTURES AND ANY OTHER ITEMS LISTED IN THE SPECIFICATIONS SHALL BE SUBMITTED TO THE E.O.R. FOR APPROVAL.
- 2. POWELL LAKE IS AN OUTSTANDING FLORIDA WATER (OFW), ALL DUE CAUTION SHALL BE TAKEN TO PREVENT STORMWATER FROM CARRYING SEDIMENT INTO THE LAKE.
- 3. IF SHORELINE CONSTRUCTION IS TO OCCUR DURING TURTLE NESTING SEASON (MARCH-OCTOBER), A PRE-CONSTRUCTION SURVEY OF THE SHORELINE SHALL BE DONE TO CONFIRM THAT NO SEA TURTLE NESTS ARE PRESENT IN THE AREA OF
- 4. IT IS RECOMMENDED THAT SHORELINE CONSTRUCTION AVOID SHOREBIRD NESTING SEASON (MAY-JUNE).
- 5. BRUSH FINISH ALL CONCRETE SURFACES (UNLESS POROUS CONCRETE IS SPECIFIED).
- 6. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF THE PICNIC PAVILION(S), UTILITY PARTS AND OTHER PICNIC AREA ACCESSORIES PRIOR TO ORDERING.
- 7. ALL SEWER AND WATER UTILITY WORK MUST COMPLY WITH INLET BEACH WATER SYSTEM STANDARD DESIGN AND CONSTRUCTION SPECIFICATIONS, UNLESS NOTED OTHERWISE ON THE PLANS.
- 8. THE DESIGNATED MAINTENANCE OF TRAFFIC (MOT) TECHNICIAN SHALL NOTIFY ENGINEER OF RECORD AND SUBMIT THEIR INFORMATION TO THE FDOT REGULATING OFFICE PRIOR TO COMMENCEMENT OF WORK IN THE RIGHT-OF-WAY:

I ISA WARD FDOT PERMITS MANAGER MARIANNA/PANAMA CITY OPERATIONS 3633 HWY 390 PANAMA CITY, FL, 32405 (850) 767 4914

<u>SURVEY LEGEND & ABBREVIATIONS:</u>

| \$ | = BACKFLOW PREVENTER | \square | = WATER METER |
|--------------|----------------------|---------------|---------------------------|
| h | = BENCH | WP | = WIRING PULL BOX |
| \bigcirc | = BUSH | \bowtie | = UTILITY VALVE |
| Г | = TELEPHONE PEDESTAL | -BFO- | = BURIED FIBER OPTIC LINE |
| Q | = DRAINAGE MANHOLE | -BT- | = BURIED TELEPHONE LINE |
| đ | = FIRE HYDRANT | -G- | = GAS MAIN |
| \downarrow | = GUY ANCHOR | -0E- | = OVERHEAD UTILITY LINE |
| د م ، | = UTILITY POLE | -WM- | = WATER LINE |
| | = NON-TRAFFIC SIGN | -NPW- | = RECLAIM WATER LINE |
| \odot | = TEST HOLE | | = TREE LINE |
| - | = TRAFFIC SIGN | \rightarrow | = UTILITY MARKER |

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LISA. WARD@DOT.STATE.FL.US

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|--------------|--|-------------------|----------------|------------------------|------------|---|
| <u>BL</u> | IREAU OF DESIGN AND CONSTRUCTION GENERAL NOTES: | | | | д | N |
| 1. | THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND ACCEPTING THE EXISTING CONDITIONS OF THE SITE PRIOR TO BIDDING. | | | | ior | -2157 |
| 2. | ALL DISTURBED AREAS WITHIN THE LIMITS OF RESTORATION SHALL BE REVEGETATED AS SPECIFIED BY THE PARK SERVICE BIOLOGIST. | | | | ect | 245- |
| З. | EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL ENSURE THAT THE UTILITY SYSTEMS DO NOT CONFLICT WITH THE PROPOSED PROJECT. CONFLICTS SHALL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY. | 7 | | | rot | ark ion 850) |
| 4. | THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH THE WORK, CONSTRUCTION OF TEMPORARY UTILITIES IN THE EVENT THAT EXISTING UTILITY SERVICE MUST BE INTERRUPTED AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES THAT MAY AFFECT EXISTING OR PROPOSED UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR WILL MAKE IS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. | SYMBOL REVISION | \bigwedge | \bigwedge | mental P | on and P id Construct iee, FL 32399 (|
| 5. | THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL GRADE STAKES, LINES AND LEVELS. | ATE | | | on | ati an anass |
| 6. 7. | THE CONTRACTOR SHALL SOLID SOD ALL DISTURBED AREAS UNLESS OTHERWISE SPECIFIED OR SHOWN. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING ARE INCLUDED IN THE | 70 | | | vir | ore sign Talla |
| 8. | UNIT PRICES FOR CONSTRUCTING THIS PROJECT. ALL AREAS, STREETS, DRIVEWAYS, PARKING LOTS, ETC, DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY | | | | En | ReC Des ard, |
| <i>9</i> . | THE CONTRACTOR TO THEIR ORIGINAL OR BETTER CONDITION. THE CONTRACTOR WILL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND WILL | | | | of | oI I 1 of 1 of |
| <i>10</i> . | PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE OWNER AND THOSE PERMITS OBTAINED BY THE CONTRACTOR. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT TO THE OWNER'S PROJECT MANAGER A SCHEDULE OF VALUES A CONSTRUCTION SCHEDULE AND A SAFETY PLAN | NO | | | ent | ON (ureau alth Bc |
| 11. | THE CONSTRUCTION SCHEDULE WILL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE OWNER'S PROJECT MANAGER, AND WILL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION OR OTHER PAY ITEMS AS APPROPRIATE. | MBOL REVISI | \wedge | $\left \right\rangle$ | partme | Divisi B Commonwe |
| 12. | THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN FOR APPROVAL BY THE OWNER'S PROJECT MANAGER AND WILL ADDRESS THE INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL DEVICES TO BE USED DURING EACH PHASE OF CONSTRUCTION, INCLUDING TREE REMOVAL, CLEARING AND GRUBBING, EXCAVATION, HAULING OF EXCAVATED MATERIALS, AND PLACEMENT OF EMBANKMENT AND BACKFILL. THE PLAN ALSO WILL DETAIL THE EROSION CONTROL MEASURES TO BE EMPLOYED AT ALL STOCKFILE AND CONSTRUCTION STAGING AREAS AND WILL DEFINE THE MAXIMUM LIMITS OF ALL ACTIVE CONSTRUCTION ZONES. | 00% PLANS | | C-N3803 (| De | 3900 |
| <i>13</i> . | ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE PROJECT MANAGER AND: FDEP, BUREAU OF SURVEY AND MAPPING, MS 105 3900 COMMONWEALTH BLVD. TALLAHASSEE, FLORIDA 32399 (850) 245–2606 (OFFICE) (850) 245–2645 (FAX) | TE: 02/14/2025 10 | E No.: 21-5436 | OJECT No.: 61307(| tes |), lnc. ¹⁰⁰ ¹⁰⁰ FL 32303 45 |
| 14. | PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. THE CONTRACTOR WILL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES. | ISSUE DAT | COMP. FIL | STATE PR | Associa | Igineers INESS NO. 787 SINESS NO. 787 Tallahassee, 850.521.03 |
| 15. 16. | NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF VEGETATION ON AND ADJACENT TO THE PROJECT SITE, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED EXCEPT THOSE TREES IDENTIFIED ON THE PLANS TO BE REMOVED. ALL TREES OUTSIDE THE CONSTRUCTION WORK ZONE ARE TO BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE BARRICADES WILL BE INSTALLED AND MAINTAINED AROUND ALL TREES TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE PROJECT MANAGER. | | | | George & 7 | Consulting Er M ENVROMENTAL - THARFORTHA ENGINEERING BU Ealth Lane, Suite 200, 850.521.0344 - FAX |
| 1 <i>7</i> . | THE CONTRACTOR IS RESPONSIBLE TO PLACE AND MAINTAIN ROADSIDE WARNING SIGNS WHEN WORK IS BEING CONDUCTED IN THE PROPERTY RIGHT OF WAY OR WHEN MACHINERY IS ENTERING AND LEAVING THE PROJECT SITE. | SMU | TJM | HP | 2 | Commonwe |
| 18. | THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF EXCAVATED MATERIAL OFF—SITE UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER. | ER | BY: | ED BY: (| | 1961 |
| <i>19</i> . | ENSURE THAT ALL EQUIPMENT, PRIOR TO BRINGING ON-SITE, IS WASHED AND FREE OF SOIL, SEED, OR OTHER ORGANIC MATTER. EQUIPMENT MAY BE INSPECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO OFF-LOADING FOR USE. ADDITIONAL CLEANING WILL BE PERFORMED BY THE CONTRACTOR IF THE OWNER'S REPRESENTATIVE DETERMINES IT IS NEEDED. | DESIGNI | DRAWN | REVIEW | Consulta | |
| <u>ER</u> | POSION CONTROL NOTES: | ATION | | mm | | 85 |
| 1. | ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES. | SISTR | ALC: | 1V | TE E Same | 804 |
| 2. | ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED DAILY AND REPAIRS MADE AS NECESSARY TO ENSURE THE PROPER AND CONTINUED FUNCTION OF THE CONTROL(S). | L REG | PETE CENS | 80485 | ATE OF | NALE |
| 3. | ALL EROSION AND SEDIMENTATION CONTROL SHALL REMAIN IN PLACE UNTIL A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED. | | II ON | N | LS L | RSON IN |
| 4. | UNDER NO CIRCUMSTANCES SHALL SEDIMENTS BE PERMITTED TO EXIT THE PROJECT LIMITS, INCLUDING TRACKING BY VEHICLES ONTO PAVED ROADWAYS. THE CONTRACTOR SHALL MAKE IMMEDIATE REPAIRS OR ENHANCEMENTS TO ANY EROSION CONTROL SYSTEM THAT ALLOWS THE RELEASE OF SEDIMENTS. | FESS | XIIII | VV C | PRO | H. PETE |
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- BEEN SURVEYED AND IN CONFLICT WITH PROPOSED CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES WITHIN PROJECT AREA PRIOR TO CONSTRUCTION.

- UTILITIES SHOULD NOT BE CONSIDERED THE EXTENT OF UTILITIES IN THE PROJECT AREA, AND ALL REQUIRED DUE CAUTION, SUCH AS
- NOT DAMAGE THE SIGNAGE OR POSTS. COORDINATE ALL REINSTALLATION OF SIGNAGE AND LOCATION WITH BDC PROJECT MANAGER AND PARK MANAGER. SIGNAGE TO BE REUSED SHALL BE STORED IN A MANNER THAT IS SAFE AND DOES NOT DAMAGE THE SIGNS. ANY DAMAGED SIGNAGE PROPOSED FOR REUSE SHALL BE REPLACED IN-KIND BY THE CONTRACTOR. BDC PROJECT MANAGER AND PARK MANAGER SHALL APPROVE OF ALL SIGNAGE TO BE REPLACED AND THE PROPOSED LOCATION FOR SIGNAGE. SIGNAGE NOT APPROVED
- ANY MATERIAL CALLED OUT FOR DEMOLITION. RETURN IN GOOD WORKING ORDER ANY MATERIALS REQUESTED BY THE BDC PROJECT MANAGER OR PARK STAFF AS SALVAGED MATERIAL. LAWFULLY DISPOSE, AT EXPENSE OF THE CONTRACTOR, ALL REMAINING ITEMS

| SYMBOL | DESCRIPTION | |
|--------|---|--|
| Fr | FILTER RING | A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS A SLOPE |
| (Sd1) | SEDIMENT BARRIER | A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, STRAWBALES OR HAY, BRUSH, LOG POLES, GRAVEL OR SILT FENCE. |
| (Sd2) | INLET SEDIMENT TRAP | AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. EXCAVATED AREA TO BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITY. |
| St | STORM DRAIN OUTLET PROTECTION | A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF. |
| (Co) | CONSTRUCTION EXIT | A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS |
| Ds2 | DISTURBED AREA STABILIZATION WITH SEEDING ONLY | ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS. |
| Ds3 | DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION | ESTABLISHING A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD OR LEGUMES ON DISTURBED AREAS. |
| Ds4 | DISTURBED AREA STABILIZATION WITH SODDING | ESTABLISHING A PERMANENT VEGETATIVE COVER USING CENTIPEDE SOD AND TURF PER FDOT SPECS 570 AND 981 |
| Du | DUST CONTROL ON DISTURBED AREAS | CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES. |
| Ch | CHANNEL STABILIZATION | IMPROVING, CONSTRUCTING OR STABILIZING AN OPEN CHANNEL, EXISTING STREAM OR DITCH |
| Cr | CONSTRUCTION ROAD STABILIZATION | A TRAVEL WAY CONSTRUCTED AS PART OF A CONSTRUCTION PLAN INCLUDING ACCESS ROADS, SUBDIVISION ROADS, PARKING AREAS, AND OTHER ON-SITE VEHICLE TRANPORTATION ROUTES |

NOT FOR





February 14, 2025 P: Projects/21-5436 BDC Camp Helen State Park/Drawings/Civil/03 Existing Conditions, Demo, Tree Removal/C202 Demolition and Erosion Control Plan.dw



| | LEGEND |
|--------------|-------------------------------|
| | PROPOSED ASPHALT PAVING |
| 4 | PROPOSED CONCRETE SIDEWALK |
| | PROPOSED BUILDING |
| \odot | SUE TEST HOLE |
| Å | YARD HYDRANT |
| ••• | BACKFLOW PREVENTER |
| M | VALVE |
| • | REDUCER |
| Μ | WATER METER |
| (#) | VEHICLE PARKING COUNT |
| • | SIGN |
| <u>SWM</u> F | SWMF SIGN (SEE NOTE 26.) |

| Proposed Parking Statistics | No. of Stalls |
|-----------------------------|---------------|
| Standard | 18 |
| ADA / Disabled | 2 |
| Bicycle | 8 |

1. WHERE EXISTING ITEMS SUCH AS ASPHALT, CONCRETE CURB AND GUTTER, ETC. ARE SHOWN TO BE REMOVED. THESE ITEMS SHALL

SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLES 605.3, 605.4, 605.5 IN SECTION 605, MATERIALS, JOINTS AND

3. ALL PLUMBING AND PLUMBING FIXTURES MUST BE INSTALLED OR THE INSTALLATION MUST BE SUPERVISED BY A FLORIDA LICENSED

LISTED IN TABLES 702.2 AND 702.4 IN SECTION 702, MATERIALS, IN THE 2023 FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION. 5. FOLLOW SECTION 603.2 IN THE 2023 FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION FOR SEPARATION OF SEWER AND WATER

6. PROTECT ALL EXISTING TREES UNLESS PLANS CALL FOR REMOVAL. IF TREE ROOTS ARE ENCOUNTERED DURING EXCAVATION CUT ALL

11. AT THE TIME THE LINE IS TO BE TAPPED, IT SHALL BE THE RESPONSIBILITY OF CONTRACTOR TO ENSURE THAT THE TAPPING SLEEVE AND VALVE IS PRESSURIZED AND CAN SUSTAIN THE PRESSURE TEST (SEE SECTION 6.3.7 OF IBWS SPECIFICATION, INCLUDED IN

12. IN THE EVENT THE LINE HAS NOT BEEN TESTED PRIOR TO THE ARRIVAL OF IBWS AT THE JOB SITE. THERE SHALL BE A \$50.00 SERVICE CHARGE ADDED TO THE COST OF THE TAP AND THE TAP SHALL BE RESCHEDULED. SHOULD CONTRACTOR PREFER IBWS TO REMAIN ONSITE IN PREPARATION FOR THE WORK, A SERVICE CHARGE EQUAL TO \$50.00 AN HOUR SHALL APPLY SO LONG AS IBWS

13. ALL TAPS EQUAL TO OR GREATER THAN 4" IN DIAMETER, IRRESPECTIVE OF THE DIAMETER OF THE LINE TO WHICH YOU ARE TAPPING,

16. THE TAPPING SLEEVE SHALL BE OF THE SPLIT TYPE FOR ASSEMBLY ON THE PIPE AND THE SLEEVE SHALL BE SIZED FOR USE WITH

22. TAPPING VALVES SHALL MEET ALL THE REQUIREMENTS OF SECTION 6.3 OF IBWS SPECIFICATIONS AND SHALL BE A MECHANICAL

23. PRIOR TO TAPPING A POTABLE WATER MAIN, THE DRILLING MACHINE'S PILOT DRILL, SHELL CUTTER AND CUTTER HUB SHALL BE

24. FOUR GALLONS OF POTABLE WATER SHALL BE COMBINED WITH 8 OZ. OF SODIUM HYPOCHLORITE; THE PILOT DRILL, SHELL CUTTER AND CUTTER HUB SHALL BE SWABBED UNTIL CLEAN OR TOTALLY IMMERSED IN THE STERILIZING SOLUTION AND ALLOWED TO REMAIN WET AT LEAST FIVE MINUTES BEFORE TAPPING OPERATION COMMENCES. IT IS NOT NECESSARY TO RINSE THE STERILIZING SOLUTION

25. PAVILION STRUCTURES TO BE CEDAR FOREST PRODUCTS MODEL #LB2020 OR APPROVED EQUAL. METAL ROOFING SHALL MATCH 'RESTROOMS' AS SPECIFIED IN ARCHITECTURAL PLANS. SEE SUPPLEMENTAL SPECIFICATIONS FOR MANUFACTURER SHOP DRAWINGS. 26. SWMF SIGNAGE TO SERVE AS NOTICE TO PUBLIC / VISITORS THAT STORM PONDS SHALL NOT BE USED FOR RECREATIONAL









| Symbol | I.D. | Quantity | Scientific Name | Common Name | Installed Size | Spacing | Remarks |
|---|------|----------|----------------------|----------------------|----------------|----------|--|
| | LO | 10 | Quercus geminata | Sand Live Oak | 30 GAL | Per Plan | 1.75"-2" Cal., 8'-9', 6' Min. clearance from paved surfaces and 10' from buildings, measured from the center of the plant. |
| | PC | 2 | Pinus clausa | Sand Pine | 30 GAL | Per Plan | 2"-2.25" Cal., 9'-10', 6' Min. clearance from paved surfaces and 10' from buildings, measured from the center of the plant. |
| | VA | 3 | Vaccinium arboreum | Sparkleberry | 7 GAL | Per Plan | |
| at a second | SP | 95 | Seronoa repens | Saw Palmetto | 7 GAL | Per Plan | Plant in natural drifts, 3' Min. clearance from paved surfaces, measured from the center of the plant. |
| 窃 | сс | 71 | Conradina canescens | False Rosemary | 1 GAL | Per Plan | Plant in natural drifts, 1.5' Min. clearance from paved surfaces, measured from the center of the plant. |
| Ō | CA | 16 | Callicarpa americana | American beautyberry | 7 GAL | Per Plan | Plant in natural drifts, 3' Min. clearance from paved surfaces, measured from the center of the plant. |

ANDSCAPE PLAN

SCALE: 1" = 30'

*WILDFLOWER MIX MUST BE COMBINED WITH A COVER CROP OF BROWN TOP UNDISTURBED SOIL MILLET AT A RATE OF 10 LBS PER ACRE FROM APRIL TO SEPT OR ANNUAL RYE AT A RATE OF 30 LBS/ACRE FROM OCT-MARCH. FL UPLAND MIX TO BE APPLIED AT A RATE OF 15 LBS PER ACRE. SEE MANUFACTURERS INSTRUCTIONS FOR MORE DETAILS.

REFERENCE LEGEND

— QUANTITY OF PLANTINGS

- PLANT I.D.

PLANT SO THAT TOP PURSUANT TO A.A.N 6 INCHES ABOVE G INCH CALIPER; 12

TREE PLANT SCALE: NTS

LANDSC

1. LANDSCAPE CONTRACT AND APPROPRIATE PL ENGINEER OF RECORD 2. PERFORM ALL WORK 3. CLEARANCES OF 7 1/ THE REAR OF ALL FIR

- INDICATORS, VALVES, 4. MULCH NON-SEEDED PINE STRAW.
- 5. STAKE TREES AS NEC 6. INSTALL TREES AND F MOST RECENT EDITION
- OF FLORIDA. 7. IF SPECIFIED SIZE OR PLANT(S) TO THE ENO
- 8. PLANT TREES, SHRUBS LOOK SIMILAR TO THE PLANTING IN STRAIGHT
- 9. BACKFILL ALL PLANTIN TOPSOIL.
- 10. PLANTING HOLES SHO DEEPER THAN THE RO 11. ONCE PLANTED, PLANT GROUND AS THEY WEA
- 12. RESTORE ALL DISTURE DISTURBED SOIL SHAL STORM WATER.
- 13. LANDSCAPE IMPROVEM STANDARD SPECIFICAT
- 14. CONTRACTOR SHALL
- 15. THE WARRANTY SHALL ACCEPTANCE, OR AS
- 16. INSPECTION SHALL BE WEEK OF WRITTEN NO INSTALLATION IS COMF 17. TREES AND SHRUBS S
- 18. PLANTS ARE GUARANT INITIAL INSPECTION AC
- 19. REPLACEMENT PLANTS
- 20. THE CONTRACTOR SHA LANDSCAPING FOR TH
- 21. CONTRACTOR SHALL 22. MULCH OVER SEEDED

<u>UTILIT</u>

- 1. THE LOCATION(S) OF UTI APPROXIMATE.
- 2. CONTRACTOR SHOULD CC 1–800–432–4770 PRIOF BE FIELD LOCATED.

| SCAPING NOTES | Ш | | | | | |
|--|------------------|-------------|-------------------|----------|-----------------------|---------------------------------|
| NTRACTOR SHALL VERIFY SIZE, LOCATIONS OF ALL PLANTING AREAS NTE PLANT QUANTITIES NEEDED PRIOR TO INSTALLATION. NOTIFY PECORD OF DETECTED DISCREPANCIES. | DAT | | | u | | 2 |
| WORK IN STRICT ACCORDANCE WITH SOUND HORTICULTURAL PRACTICES. 7 1/2' SHALL BE MAINTAINED TO THE FRONT AND SIDES AND 4' TO 1LL FIRE APPLIANCES (I.E., HYDRANTS, BACKFLOW PREVENTERS, POST | | | | ectio | ß | 245-215 |
| LVES, FIRE DEPARTMENT CONNECTIONS). TEDED DISTURBED AREAS ADJACENT TO IMPERVIOUS AREAS WITH 3" OF | | | | ote | urk 2 | 50) . |
| S NECESSARY. | /ISION | | | \Pr | Ъз | (8) (8 |
| AND PLANTS GRADED FLORIDA #1 OR BETTER AS DESCRIBED IN THE EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS", STATE | REV | Λ | Λ | al | nd | 32399 |
| ZE OR SPECIES IS UNAVAILABLE, SUBMIT PROPOSED REPLACEMENT | YMBOL | \bigcirc | \bigcirc | enf | G G | FL : |
| HE ENGINEER OF RECORD FOR APPROVAL, PRIOR TO PURCHASING. SHRUBS AND PERENNIALS IN A NATURAL MANNER. PLANTING IS TO | S | | | um | ion | ssee, |
| RAIGHT LINES. | DATE | | | roı | eat | u alaha |
| S SHOULD BE TWICE THE DIAMETER OF THE ROOT BALL AND 2"-4" | | | | nvi | CL | , Tal |
| PLANTS SHOULD BE AT THE SAME LEVEL IN RELATION TO THE | | | | Ē | R R | evard |
| EY WERE PRIOR TO TRANSPLANTING. | | | | of | of | Boule |
| SHALL NOT BE LEFT EXPOSED AND VULNERABLE TO EROSION FROM | N | | | nt | no | lth] |
| ROVEMENTS SHALL BE INSTALLED BY THE CONTRACTOR PER FDOT CIFICATION 580 AND INDEX 544. | REVISIO | | | me | isi(| nwes |
| HALL BE RESPONSIBLE FOR TEMPORARY IRRIGATION. SHALL BEGIN AFTER THE INITIAL LANDSCAPE INSPECTION AND | ЭL | \bigwedge | \wedge | art | Div | omm |
| R AS PER THE CONTRACT DOCUMENTS. ALL BE MADE BY THE OWNER OR OWNERS REPRESENTATIVE WITHIN 1 | SYMB | \bigcirc | \bigcirc | ep: | | 0 Co] |
| EN NOTIFICATION FROM THE LANDSCAPE CONTRACTOR THAT | NS | | | D | | 390(|
| IUBS SHALL HAVE A T TEAR WARRAINT. WARANTEED TO BE HEALTHY AND FLOURISHING FOR 1 YEAR FROM YON ACCEPTANCE | % PLA | | 13803 | | | |
| PLANTS MUST BE THE SAME SIZE AS THE ORIGINAL. | 5 100% | 9 | 07C-N | | | |
| R SHALL BE RESPONSIBLE FOR WATERING AND MAINTAINING THE OR THE WARRANTY PERIOD WHICH IS 1 YEAR. | 4/202 | 1-543 | lo.: 613 | | USE | 503 |
| HALL NOT COMPACT POND BOTTOMS. FEDED POND BOTTOM WITH 3" – 3" THICK LAYER OF SEEDLESS STRAW. | E: 02/1 | E No.: 2 | DJECT N | Ses | , Inc. | ہ FL 323 45 |
| | UE DAT | MP. FILF | ATE PRO | ociat | ICCTS, | 5 No. 787 hassee, 521.03. |
| | ISS | со | ST/ | Ass | Indir REATION - SV | BUSINESS 0, Talla VX 850 |
| ILITY NOTES | | | | ge & | ing I | NEERING buite 20 44 - F/ |
| OF LITULTIES SHOWN ON THE PLANS SHALL BE CONSIDERED | | | | Jeor | nsult | ENGI Lane, S 1.521.03 |
| ULD CONTACT THE SUNSHINE STATE 811 ONE CALL SYSTEM | | | | • | | nwealth NE 850 |
| PRIOR TO ANY DIGGING SO THAT UNDERGROUND UTILITIES MAY D. | SMU | SMU | ЧН | 2 | | Commo PHO |
| SPREAD | ER : | BY: | ED BY: | ÷ | 7 | 1967 |
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| THAT WILL | | | | | | 5 105 |
| ; WATER - FORM EARTH | | | | | | |
| POCKETS | | | | | | |
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| | | | | | | |
| D SOIL - REMOVE CONTAINER, FOR B&B PEAL BACK BURLAP TO | ARK | | | | F | _ |
| 2 X ROOTBALL DIA. | Ц | | I AN | ì | MEN | |
| NT TOP OF ROOT FLARE IS 1" ABOVE THE FINISHED GRADE | STA ⁻ | | Ц | I | ЩVС |) > |
| A.A.N. STANDARDS CALIPER MEASUREMENTS SHALL BE MADE WE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 12 NICHES AROVE CROUND LEVEL FOR LARCER SIZES | Ш. И | | SCAI | | APR | |
| TZ WYONES ABOVE ONCOME ELVEL FOR EWOER SIZES. | Η̈́Ξ | | AND. | | ב א מ | |
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ON July 6, 2023 P:\Projects\21-5436 BDC Camp Helen State Park\Drawings\Civil\06 Cross Sections\C401 North Picnic Area Grading Plan.dwg

| Existing Impervious | Sq. Ft. | Acres |
|--|---------|-------|
| | | |
| Existing Concrete Sidewalk (removed) | 3,539 | 0.046 |
| | | |
| Proposed Impervious | | |
| Proposed Concrete Sidewalk | 2,412 | 0.055 |
| | | |
| Net Total Proposed Impervious Area Added | 390 | 0.008 |

| | 146+50.00 146+50.00 145+76.14 145+71.40 | CAMP HELEN STATE PARK PROFESSIONAL REGISTRATION DESIGNER: SMU ISSUE DATE: 02/14/2025 100% PLANS SYMBOL REVISION DATE SYMBOL REVISION DATE OF THE OF THE DATE OF THE OF T | Environmental Protection | PARK IMPROVEMENT Mark Mark Mark Mark Mark Mark Mark Mark |
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| SHEET | CAMP HELEN STATE PARK | PROFESSIONAL REGISTRATION | DESIGNER : SMU | ISSUE DATE: 02/14/2025 100% PLANS | SYMBOL REVISION | DATE SYMBOL REVISION | DATE |
| NO. | SHEET TITLE FAST ROLIND TLIEN LANE CROSS SECTIONS | No 80485 | drawn by: JJM reviewed by: JHP | COMP. FILE No.: 21-5436 STATE PROJECT No.: 61307C-N3803 | Δ | | |
| 10 | | * * | Consultant: | ssociates | Department of] | Invironmental Protection | |
| 6 | PROJECT TITLE PARK IMPROVEMENT | JAMES H. PETERSON IV State of Florida P.E. # 80485 | Consulting En and - Environmental - Indexportant Encineeratio BU 1967 Commonwealth Lane, Suite 200, PHONE 850.521.0344 - FAX | gineers, Inc. 33 33 34 35 | Division of R Bureau of 00 Commonwealth Bouleva | ecreation and Parks Design and Construction d, Tallahassee, FL 32399 (850) 245–2157 | |

| AIP HELEN STATE PARK Annexes of an an and | OR CTION | SHEE | | | | | |
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| DATE SYMBOL REVISION OF Environmental Protection of Recreation and Parks | | SUE DATE: 02/14/2025 100% PLANS SYMBOL REVISION | DMP. FILE No.: 21-5436 | ATE PROJECT No.: 61307C-N3803 | sociates Department | neers, Inc. Division Bureau Sastras Praemon - Lano Use Bureau Bureau | anassec. rL 22203 0.521.0345 |
| | | DATE SYMBOL REVISION DATE | $\left(\right)$ | | of Environmental Protection | of Recreation and Parks | oulevard, Tallahassee, FL 32399 (850) 245-2157 |

| CAMP HEL | | |
|-----------------------------------|--|---|
| LEN STATE PARK | | MPROVEMENT |
| PROFESSIONAL REGISTRATION | No 80485 | JAMES H. PETERSON N State of Florida P.E. # 80485 |
| DESIGNER: SMU | drawn by: JMU reviewed by: JHP | Consultant: George & A Consulting Eng Consulting Eng ENGIPEERING BUSI 1967 Commonwealth Lane, Suite 200, T PHONE 850.521.0344 - FAX 8 |
| ISSUE DATE: 02/14/2025 100% PLANS | COMP. FILE №.: 21-5436 STATE PROJECT №.: 61307C-N3803 | SSOCiates Jineers, Inc. * - SISTER PLAND USE TESS NO. 7879 allahassee, FL 32303 50.521.0345 390 |
| SYMBOL REVISION | Δ |)epartment of Er Division of Re Bureau of De 0 Commonwealth Boulevard, |
| DATE SYMBOL REVISION | <u>\</u> | Nironmental Protecti creation and Parks sign and Construction Tallahassee, FL 32399 (850) 245-2 |
| DATE | | DN 157 |

DSA 15 CONST. MES FDOT INDEX 430–022 STA. 148+64.34 OFF: 82.68'L INV.= 8.56' +45.82 7.11 - 4 - 10+49.58_ 44.33 L +54.77 [8.61 R _+55.96 7.73 R +55.70__ 10.61 R _+55.70_ 22.61 R EXISTING PARK ENTRANCE INVERT=4.92 DRAINAGE PLAN TURN LANE ----- I SCALE: 1" = 20'

vember 8, 2024 P:\Projects\21-5436 BDC Camp Helen State Park\Drawings\Cwi\08 Utility Plans\C601 Turn Lane Utility Plan.dwg

| | DATE | | | |
|----------------------------|-----------------------------------|---|----------------------------------|--|
| | DATE SYMBOL REVISION | | | Environmental Protection Recreation and Parks Design and Construction Ard, Tallahassee, FL 32399 (850) 245–2157 |
| | 4/2025 100% PLANS SYMBOL REVISION | 1-5436 | lo.: 61307C-N3803 | Department of Division of Bureau of 3900 Commonwealth Boulev |
| | ISSUE DATE: 02/1 | COMP. FILE No.: 2 | STATE PROJECT N | X Associates Engineers, Inc. ORTINON SYSTER FLAND I BUSINES NO. 7879 20, Tallahasse, FL 323 AX 850.521.0345 |
| | DESIGNER: SMU | DRAWN BY: SMU | REVIEWED BY: JHP Consultant : | George & Consulting Consulting ENGINEERING 1967 Commonwealth Lane, Suite 20 PHONE 850.521.0344 - F |
| E6 | PROFESSIONAL REGISTRATION | THE PERSON AND AND AND AND AND AND AND AND AND AN | | JAMES H. PETERSON N State of Florida P.E. # 80485 |
| E5 | CAMP HELEN STATE PARK | | TURN LANE UTILITY PLAN | PARK IMPROVEMENT |
| 0 10 20 1 inch = 20 ft. | | | | JJECT TITLE |
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January 24, 2025 P3Projects/21-5436 BDC Camp Helen State Park/Drawings/Civil/09 Pavement Marking Signage/C801 Traffic Co

| | DATE SYMBOL REVISION DATE | | $\overline{\bigcirc}$ | of Environmental Protection | ol Kecreation and Parks of Design and Construction wlevard, Tallahassee, FL 32399 (850) 245-2157 |
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| | DESIGNER: SMU ISSUE DATE: 0 | DRAWN BY: SMU COMP. FILE No | REVIEWED BY: JHP STATE PROJEC | Consultant: | Consulting Engineers, II AM - ENGINEERING BUSINESS NO. 3879 1967 Commonwealth Lane, Suite 200, Tallahassee, FL PHONE 850.521.0344 - FAX 850.521.0345 |
| | PROFESSIONAL REGISTRATION | TICENSE OT | No 80485 | STATE OF | JAMES H. PETERSON N State of Florida P.E. # 80485 |
| | CAMP HELEN STATE PARK | | TRAFFIC CONTROL PLAN | | PARK IMPROVEMENT |
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| LIFT STATION INFORMATION | | | | | | | | | |
|--------------------------|----------------------|--------------|--|--|--|--|--|--|--|
| DESCRIPTION | REF. | STATION #1 | | | | | | | |
| ТОР | 'A' | 19.25' | | | | | | | |
| INFLUENT INVERT | 'B' | 17.5' | | | | | | | |
| ALARM | °C, | 16.5' | | | | | | | |
| TWO PUMPS ON | 'D' | 17.33' | | | | | | | |
| ONE PUMP ON | 'E' | 16.83' | | | | | | | |
| PUMPS OFF | 'F' | 16.33' | | | | | | | |
| BOTTOM | 'G' | 14.25' | | | | | | | |
| WET WELL DEPTH | 'H' | 5' | | | | | | | |
| WET WELL DIAMETER | ' ' | 48" | | | | | | | |
| # OF PUMPS | | 2 | | | | | | | |
| GPM | | 20 | | | | | | | |
| TDH (FT) | | 85 | | | | | | | |
| VOLTAGE / PHASE | | 230 V / 1 PH | | | | | | | |
| HP | | 2 | | | | | | | |
| PUMP MODEL | Liberty LSG202M-5C * | | | | | | | | |

* OR APPROVED EQUAL

SCALE: NTS

- 1) VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 1.5" DIAMETER PIPE AND SMALLER.
- 2) VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
- 3) ALL LOCATIONS WHERE PIPES ENTER OR EXIT THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH NON-SHRINK
- THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
- 5) INSIDE THE WET WELL ALL EXPOSED SURFACES (INCLUDING BOTTOM OF TOP SLAB) SHALL BE LINED WITH PROTECTIVE COATING; RAVEN 405 ULTRA-BUILD EPOXY, OR APPROVED EQUAL.
- 6) WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE AND LOCK BAR TO ACCEPT PADLOCK. SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY ENGINEER.
- 7) FLEXIBLE COUPLING SHALL BE SLEEVE TYPE.
- 8) ALL HARDWARE IN WET WELL AND VALVE VAULT SHALL BE 316
- 9) RISER PIPE TO BE INSTALLED WITH INTERMEDIATE 316 S.S. PIPE SUPPORTS IF WET WELL DEPTH IS GREATER THAN 15 FEET.

DUPLEX GRINDER STATION NOTES

MAINTENANCE AND OPERATION INSTRUCTIONS for Camp Helen State Park – North Picnic Area SWMFs

Maintenance Entity: Florida Dept of Environmental Protection, Division of Recreation and Parks

The following is an instructional outline for the maintenance and operation of the above referenced stormwater management facilities.

The stormwater management facilities have been designed in accordance with current engineering principles applicable to treatment and disposal of stormwater pollutants to operate efficiently if normal maintenance procedures are performed as outlined below.

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.

Description of Stormwater Management Facilities (SWMF):

All SWMFs that this O&M plan describe are on the north side of 30A in the Day-Use Picnic Area of Camp Helen State Park. This O&M Plan is incorporated into FDEP Environmental Resource Permit for Site ID: 348333. FDEP Division of Recreation and Parks, more specifically Camp Helen State Park operations, are responsible for fulfilling the maintenance duties described in this O&M plan.

SWMF 1:

- Location: Northwest of the intersection of the entrance driveway and multiuse trail.
- SWMF Bottom Elevation: 6.5'
- SWMF Top Elevation: 10'
- Treatment Volume: 4,635 CF
- SWMF Volume: 11,591 CF
- Recovery Time: 0.5 HR
- Outfall Structure:
 - o Grassed broad crested weir and rip-rap on the discharge side
 - Weir Invert Elevation: 7.75'
 - Weir Bottom Width: 2' with 4(H): 1(V) slopes to pond top elevation (10')
 - Weir Location: northwest portion of the pond
- Inlet Structure:
 - o Concrete flume located on the east side of the SWMF

<u>SWMF 2:</u>

- Location: West of the parking lot
- SWMF Bottom Elevation: 14'
- SWMF Top Elevation: 16'
- Treatment Volume: 1,023 CF
- SWMF Volume: 4,438 CF
- Recovery Time: 0.5 HR
- Outfall Structure:
 - o Grassed broad crested weir and rip-rap on the discharge side
 - Weir Invert Elevation: 15'
 - Weir Bottom Width: 5' with 6(H): 1(V) slopes to pond top elevation (10')
 - Weir Location: southwest portion of the pond
- Inlet Structure:
 - o Concrete flume located on the east side of the SWMF

<u>SWMF 3:</u>

- Location: Center island of the parking lot
- SWMF Bottom Elevation: 16'
- SWMF Top Elevation: 18'
- Treatment Volume: 2,402 CF
- SWMF Volume 7,682 CF
- Recovery Time: 0.75 HR
- Outfall structure:
 - Grassed broad crested weir
 - Weir Invert Elevation: 17.25'
 - Weir Length: 194' with 4(H):1(V) slopes to pond top elevation (18')
 - Weir Location: West side of the pond. Stormwater to discharge over parking lot and into SWMF #1 or #2.
- Inlet Structure:
 - o Concrete flume located on the east side of the SWMF

Normal maintenance requirements are as follows:

- Sodded/seeded areas within detention / retention areas and swales shall be thatched and aerated when the layer of dead grass (thatch) is ½" thick. Typically, this will be annually or biennially, but is highly dependent on soils and growing conditions. Thatching and aeration are to be done in the early spring (March-April).
- The detention / retention areas and swales are to be mowed bi-weekly (April-Oct) and monthly (November March), or as needed to control weeds briars and bushes. Trees and shrubs other than what are shown on the approved landscape plans are to be kept out of the

stormwater ponds, and away from the outlet control structures. Vegetation must be maintained for critical area stabilization such as slopes and swales.

- Any areas undermined by erosion shall be stabilized and sodded or seeded. Sod will be staked as necessary to prevent displacement. Hay bales, sumps and siltation barriers shall be used to alleviate or dissipate runoff energy in order to allow areas that are prone to erosion adequate time to revegetate and stabilize.
- Structures shall be cleaned and clear of debris at all times. Grates shall be cleared of any debris and structures inspected for any structural cracking and settlement. Any cracked concrete or exposed reinforcing rebar shall be sealed and grouted or formed over with concrete. In the event that any concrete structure is severely damaged, the engineer of record or a qualified professional licensed to practice engineering shall be contacted to assess the damage and make recommendations for repairs.
- On a monthly basis and following major storm events, perform inspections of the retention areas, sediment sump areas, discharge structures, control structures (weirs, grate inlets, flumes, etc.), and pond berms to ensure that the structural integrity of the system has been maintained and that erosion or sediment transport has not diminished the overall integrity and function of the stormwater management systems.
- Prior to disposal of any sediment from the ponds via land spreading or filling, sediments shall be tested to determine if excessive levels of heavy metals, pesticides, or hazardous materials have accumulated. Disposal of contaminated sediments shall be in accordance with applicable regulations for pollutants found as a result of the testing program.

Erosion Control Procedures

- In the event there is any major erosion damage or if erosion continually occurs after rainfall events, a thorough inspection shall be performed to identify the cause. The Engineer of record or a qualified professional licensed to practice engineering shall be contacted to assess and implement corrective action to both stabilize the area and to eliminate the cause of the erosion problem.
- The following recommendations are offered as a guide for revegetating any disturbed or eroded areas:
 - If clay soil is exposed pulverize by spading or roto-tilling. Fill the low or washed out areas with topsoil. The topsoil shall be free of weeds, litter, and rocks and have a high organic matter content.
 - o After final grading, distribute Bahia grass seed uniformly over the area with a drop-

type fertilizer spreader or cyclone type broadcast spreader. Cover an area in one direction and then at right angles in the opposite direction, crisscrossing the entire area. Firm the seed into the soil with a roller. Use 2-3 pounds of Bahia grass per 1,000 square feet, or as the manufacturer recommends. After seeding, apply a mulch of seedless straw in a $\frac{1}{2}$ " thick layer. Water the area daily until approximately 3 weeks after the seeds have germinated. Watering can be skipped on days it rains.

- Sod can be used in lieu of seed to revegetate the areas more quickly. Prepare site with a 1" layer of topsoil or as needed to restore the area to original grades. Lay pieces of sod over the entire area with snug, even joints. Stagger the joints from strip to strip. Roll or tamp sod immediately following placement. Do not overlap the sod. On steep slopes secure sod to surface with wooden pegs or wire staples as necessary to prevent displacement. Water sod thoroughly and continue daily watering until sod shows signs of new growth.
- After major maintenance has been performed, the system shall be routinely maintained as noted above.

Facilities Operation

- The Facilities Operator shall be responsible for the day to day operation, maintenance and management of the Stormwater Management systems, including, but not limited to, the detention / retention areas, drainage conveyance swales, grate inlets, stormwater conveyance pipes, weirs, flumes, control structures and underdrain filtration systems. i.e., all stormwater management infrastructure.
- The Facilities Operator shall supervise all maintenance activities pertaining to the Stormwater Management Systems and shall report any instances of flooding, erosion undermining, structural defects, etc. to the Managing Supervisor. A minimum of 4 hours each month shall be spent inspecting the stormwater management systems and duly noting any maintenance repairs or improvements to be performed by maintenance staff.
- The Engineer of record or a qualified professional licensed to practice engineering shall be contacted if any unusual, uncharacteristic or potentially damaging drainage problem is observed, or if recommendations and/or improvements to drainage facilities need to be implemented.

Maintenance Checklist:

Summary of Weekly Duties (April-Oct)

- Mow SWMFs
- Remove fallen branches, trash and debris
- Weed whack any areas that are inaccessible via a mower
- Sweep or blow concrete flumes to keep them free of debris and sand.
- Inspect outlet structure, flumes and pond area for erosion or damage

Summary of Monthly Duties (November-March)

- Mow SWMFs
- Remove fallen branches, trash and debris
- Weed whack any areas that are inaccessible via a mower
- Sweep or blow concrete flumes to keep them free of debris and sand.
- Inspect outlet structure, flumes and pond area for erosion or damage
- Prune and remove broken branches from planted trees and shrubs

Summary of Annual Duties

• Thatch and aerate SWMF (March-April)

Regulatory Requirements (from the Environmental Resource Permit Applicants Handbook Vol 1, sections 12.5.1 &12.6):

- SWMF are to be inspected once every 3 years by a qualified professional*
- Form 62-330.311(3) "Inspection Checklists" shall be used for reporting and supplemented with additional information as denoted within the form (Included as Attachment 1).
- The operation and maintenance entity must 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 Agency.
- All forms required for reporting can be submitted to the respective Agency Internet site. If the permittee does not use the electronic forms provided on that site, they shall be responsible for retaining records of the inspections and for delivering such records within 30 days of request to the requesting Agency.
- Operation and maintenance entities responsible for a stormwater management system shall submit an inspection report to the agency describing and certifying the results of the inspection within 30 days of the date of the inspection. A qualified inspector shall certify

the results of all such inspections. The permittee shall submit inspection reports with the Agency using Form 62-330.311(1), "Operation and Maintenance Inspection Certification."

• Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted electronically or in writing to the Agency using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

* For stormwater management system inspections conducted on or after June 28, 2025 a qualified inspector for conducting, certifying, and submitting inspection reports must, at a minimum, either: (i) be a registered professional, (ii) include documentation that the inspector conducted the inspection under the supervision of a registered professional, or (iii) have completed training , and be able to provide documentation of completion, no more than five years prior to the date of the inspection that covers the following topics:

- 1. The ability to read construction drawings, plans, specifications and modeling of recovery timeframes.
- 2. Principles of traditional BMPs, as listed in Form 62-330.311(3), for stormwater treatment, including functions that convey and remove pollutants from stormwater.
- 3. For traditional BMPs, the potential causes of failure or malfunction, replacement needs, and reduction in treatment efficiency.
- 4. Understanding of the purpose, design, and function of manufactured devices or non-traditional BMPs and the ability to ensure the device meets manufacturers' specifications and maintenance requirements.
- 5. Performance of inspections, including field inspection experience and the completion of required reports and documentation, consistent with the requirements of section 12 of this Volume, any relevant requirements of the applicable Volume II, and all other applicable rules and regulations.