



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
415 RICHARD JACKSON BLVD., SUITE 411
PANAMA CITY BEACH, FLORIDA 32407-3687

May 12, 2022

Regulatory Division
North Permits Branch
Panama City Permits Section
SAJ-1999-04167(NW-KAB)

Mr. David Matson
DEP Bureau of Design and Construction
3800 Commonwealth Blvd. MS 520
Tallahassee, FL 32399
Sent via email: David.Matson@FloridaDEP.gov

Dear Mr. Matson:

The U.S. Army Corps of Engineers (Corps) has completed the review of your application for a Department of the Army permit received on September 23, 2021. Your application was assigned file number SAJ-1999-04167. A review of the information and drawings provided indicates that the proposed work would result in the construction of 125 LF of seawall in an area of existing riprap shoreline stabilization, associated with a state park. The wall will be placed at or landward of the MHWL, and the current riprap will be removed, stored in uplands, and replaced in the same location once the wall is complete. Total fill for the project will be 70 CY of riprap. Best management practices such as erosion and sedimentation controls will be used. The activities subject to this permit are authorized pursuant to authorities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403), and Section 404 of the Clean Water Act (33 U.S.C. § 1344). The project is located within St. Andrews Bay at St. Andrews State Park, 4607 State Park Lane, in Section 15, Township 4 South, Range 15 West, Panama City Beach, Bay County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) 13: Bank Stabilization. **This verification is valid until March 14, 2026.** Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP. In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the NWP General Conditions and the Jacksonville District Regional Conditions, and the General and Project-Specific Special Conditions listed below. Alternatively, you can access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Source Book web page for links to view NWP information at: <https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>. Please be aware

this Internet address is case sensitive and should be entered as it appears above. Once there select "Source Book" and then select "Nationwide Permits." These files contain the description of the NWP authorization, the NWP general conditions, and the regional conditions, which apply specifically to this NWP verification.

You must comply with all of the special and general conditions for NWP-13, including any project-specific conditions included in this letter and all conditions incorporated by reference as described above.

You must comply with ALL the NWP general, special, and/or regional Conditions, attached and/or incorporated by reference, and the Project Specific Special Conditions and General Conditions, listed below, or you may be subject to enforcement action.

General Conditions (33 CFR PART 320-330):

1. The time limit for completing the authorized work ends on **March 14, 2026.**
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner on the transfer form attached to this letter and forward a copy to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Project Specific Special Conditions:

The following project specific special conditions are included with this verification:

1. Reporting Address: The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:

a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, SAJ-1999-04167(NW-KAB), on all submittals.

2. Commencement Notification: Within 10 days from the date of initiating the work authorized by this permit the Permittee shall submit a completed "Commencement Notification" Form (Attachment A).

3. Self-Certification: Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form (Attachment B) and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.

4. Posting of Permit: The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.

5. Cultural Resources/Historic Properties:

a. No structure or work shall adversely affect, impact, or disturb properties listed in the National Register of Historic Places (NRHP), or those eligible for inclusion in the NRHP.

b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with native cultures or early colonial settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps at the addresses listed in the Reporting Address Special Condition within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition ; and if deemed necessary by the SHPO or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

6. Erosion Control: Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized.

7. Fill Material: The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils

contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

8. Turbidity Barriers: Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend within define distance desired or use 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained daily until the authorized work has been completed and turbidity within the construction area has returned to ambient levels. Turbidity barriers shall be removed upon stabilization of the work area.

9. Eastern Indigo Snake Protection Measures and Inspection: Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated August 12, 2013, as provided in Attachment C of this permit. All gopher tortoise burrows, active or inactive, shall be evacuated prior to site manipulation in the vicinity of the burrow. If excavating potentially occupied burrows, active or inactive, individuals must first obtain state authorization via a Florida Fish and Wildlife Conservation Commission (FWC) Authorized Gopher Tortoise Agent permit. The excavation method selected shall minimize the potential for injury of an indigo snake. The Permittee shall follow the excavation guidance provided in the most current FWC Gopher Tortoise Permitting Guidelines found at <http://myfwc.com/gophertortoise>. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. Holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area, and if occupied by an indigo snake, no work shall commence until the snake has vacated the vicinity of the proposed work.

10. Manatee Conditions: The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" (Attachment D). The most recent version of the Manatee Conditions must be utilized.

11. Jacksonville District Programmatic Biological Opinion (JAXBO): Structures and activities authorized under this permit will be constructed and operated in accordance with all applicable PDCs contained in the JAXBO, based on the permitted activity. Failure to comply with applicable PDCs will constitute noncompliance with this permit. In addition, failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take. The NMFS is the appropriate authority to determine compliance with the Endangered Species Act. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division website in the Endangered Species section of the Sourcebook located at: <http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>

JAXBO may be subject to revision at any time. The most recent version of these JAXBO must be utilized during the design and construction of the permitted work.

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

This letter of authorization does not preclude the necessity to obtain any other Federal, State, or local permits, which may be required.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Should you have any questions related to this verification letter or have issues accessing the documents reference in this letter, please contact Kelly Bunting at the letterhead address above, via telephone at 850-763-0717, or via e-mail at Kelly.A.Bunting@usace.army.mil.

Sincerely,



Kelly Bunting
Project Manager

CC: Aaron Sarchet, FELSI
Agent

Enclosures

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: SAJ-1999-04167(NW-KAB)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019 or submit via electronic mail to: SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

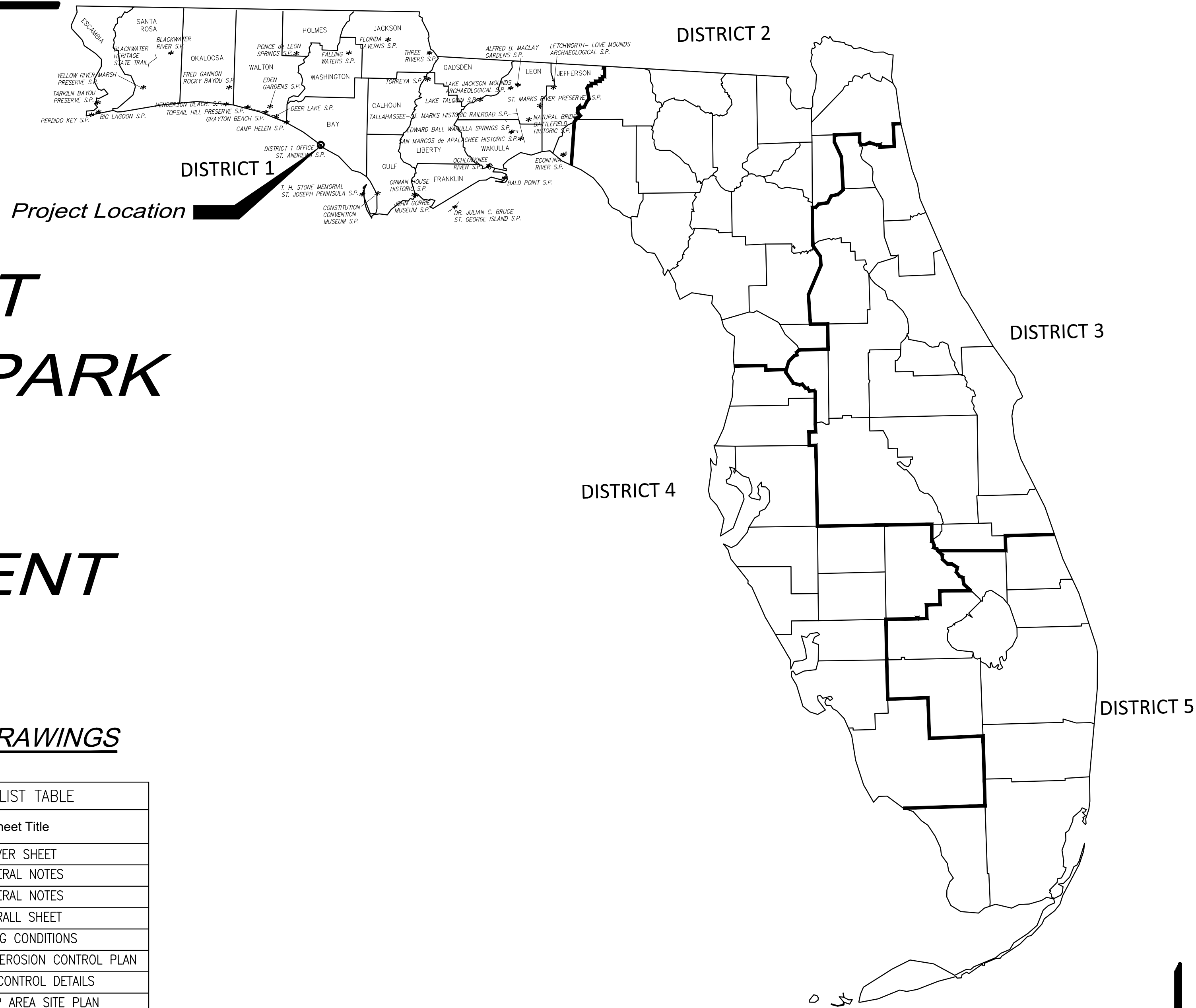
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(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)



USACE PERMIT SET

ST. ANDREWS STATE PARK

DISTRICT 1 BAY COUNTY

PARK REDEVELOPMENT

PROJECT # 61197C

APPLICABLE CODES AND DESIGN DATA

CODE LIST

FLORIDA BUILDING CODE, BUILDING (FBC-B).....	2020 7th Edition
FLORIDA BUILDING CODE, FUEL GAS (FBC-FG).....	2020 7th Edition
FLORIDA BUILDING CODE, MECHANICAL (FBC-M).....	2020 7th Edition
FLORIDA BUILDING CODE, PLUMBING (FBC-P).....	2020 7th Edition
FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB).....	2020 7th Edition
FLORIDA BUILDING CODE, RESIDENTIAL (FBC-R).....	2020 7th Edition
FLORIDA FIRE PREVENTION CODE (FFPC).....	2020 7th Edition
NATIONAL ELECTRICAL CODE NFPA-70.....	2020 Edition
FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONST.	2021 Edition
FDOT DESIGN STANDARDS.....	2021 Edition
FLORIDA ACCESSIBILITY CODE.....	2020 7th Edition

DESIGN DATA

CONSTRUCTION TYPE:	<u>IIB</u>	TOTAL BUILDING AREA PER FLOOR:	<u>525 & 79</u>
OCCUPANCY CLASS:	<u>B</u>	BUILDING HEIGHT/NUMBER OF STORIES:	<u>14'-6"/1 & 12'-0"/1</u>
OCCUPANT LOAD:	<u>5 PERSONS</u>	REQUIRED SPRINKLER OR ALARM SYSTEM:	Yes / <u>(No)</u>
TOTAL EXITS:	<u>3</u>	NUMBER OF BEDROOMS:	<u>0</u>
SQ FT ALTERED AREA	<u>N/A</u>	LEVEL OF ALTERATION:	<u>N/A</u>

DESIGN LOADS (FBC-B CHAPTER 16):
REFER TO STRUCTURE

WIND LOADS (FBC-B SECTION 1609):
SEE ABOVE

LIFE SAFETY PLAN:
SEE ABOVE

SCOPE OF PROJECT

ENTRANCE - INCLUDES A ROUNDABOUT AT THOMAS DRIVE BEFORE PARK ENTRANCE. THREE LANES SEPARATED BY PAVEMENT MARKINGS TO PROPOSED RANGER STATION AND DETACHED GATE HOUSE. PROPOSED VISITOR INFORMATION/WAYFINDING SIGNAGE AT ARRIVAL. REMOVE EXISTING ENTRANCE STATION. PROPOSED PARK ENTRANCE SIGNAGE. EXISTING VISITOR CENTER TO REMAIN. PROPOSED LARGE CMAPER AND RV PARKING AND EXISTING VISITOR PARKING.

LOOP ROAD - REBUILD OF STATE PARK LANE (2-LANE ROAD) AND STATE PARK CIRCLE (1-WAY LANE ROAD). PROPOSED ROUNDABOUT AT STATE PARK LANE AND STATE PARK CIRCLE. FIVE CULVERTS.

BOARDWALK - TWO PROPOSED BOARDWALKS AND OVERLOOKS. ONE ON STATE PARK LANE AND ONE ON STATE PARK CIRCLE.

BOAT PARKING AREA - PROPOSED OVERFLOW BOAT AND TRAILER PARKING AND EXISTING TRAILER PARKING IMPROVEMENTS. ADDITIONAL SINGLE PARKING IN AREA OF EXISTING CAMP STORE.

MARINE IMPROVEMENTS - PROPOSED SEAWALL. PROPOSED ADA ACCESSIBLE BEACH ACCESS AND KAYAK LUNCH.

INDEX OF DRAWINGS

CIVIL - SHEET LIST TABLE

Sheet Number	Sheet Title
C-000	COVER SHEET
C-001A	GENERAL NOTES
C-001B	GENERAL NOTES
C-002	OVERALL SHEET
C-009	EXISTING CONDITIONS
C-021	DEMOLITION AND EROSION CONTROL PLAN
C-027	EROSION CONTROL DETAILS
C-032	BOAT RAMP AREA SITE PLAN
C-053	MARINE CONSTRUCTION PLAN
C-054	STRUCTURAL NOTES
C-055	BULKHEAD DETAILS
C-058	CONSTRUCTION DETAILS
C-059	CONSTRUCTION DETAILS

CAMERON R. SNIPES, PROFESSIONAL ENGINEER, STATE OF FLORIDA, LICENSE NO. 75465
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CAMERON R. SNIPES, P.E. ON 09/22/2021.
 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

CAMERON SNIPES, P.E.
DESIGNER

CN470
CONSULTANT CONTRACT No.

NOVEMBER 9, 2021
INITIAL ISSUE DATE



ST. ANDREWS STATE PARK PARK REDEVELOPMENT

Plotted By: Brenna, Spencer Sheet: St. Andrews Redevelopment Layout: C001A GENERAL NOTES March 24, 2022 09:42:57am K:\TAL_Civil\142375-FDEP\001-St Andrews Redevelopment\Design\CADD\PlanSheets\C001 GENERAL NOTES.dwg

GENERAL CONSTRUCTION NOTES

- 1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS.
3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK.
8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED.
11. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PROPERLY ABANDONED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES.
12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS.
14. ANY CONSTRUCTION ADJACENT TO A WETLAND AREA SHALL BE PERFORMED FROM THE UPLAND SIDE OF THE AREA.
15. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT FDOT DESIGN STANDARD INDEX (SERIES 600) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
16. THE CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO SURVEY MARKERS DURING CONSTRUCTION.
17. BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF SURVEY.

DEMOLITION NOTES

- 1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE.
3. CONTRACTOR SHALL ADJUST GRADE OF ANY EXISTING UTILITIES TO REMAIN.
4. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.

RECORD DRAWINGS

- 1. CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER A MINIMUM OF 10 HARD COPIES OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND IN AUTOCAD 2015 OR LATER, BOTH PREPARED BY A FLORIDA REGISTERED SURVEYOR.

PAVING, GRADING AND DRAINAGE NOTES

- 1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTION'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARD PLANS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
7. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER.
10. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS.
11. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED.
12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS.
13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS.
14. ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL.

- 16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK OR ANY OTHER AREAS AS INDICATED BY THE BAY COUNTY ENVIRONMENTAL INSPECTOR.
17. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
18. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE.
19. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS.
20. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORMWATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

PROJECT SPECIFIC NOTES:

- 1. SIGNAGE NOTES:
A) ALL SIGNAGE LISTED BELOW SHALL BE PER MUTCD AND FDEP DIVISION OF RECREATION AND PARKS SIGN CATALOG (MAY 2018).
B) HANDICAP PARKING SIGNAGE - PER DETAIL
C) ENTRANCE SIGN - FDEP SIGN SHOP TO PROVIDE SIGN TO CONTRACTOR.
D) ALL OTHER PARK SIGNAGE - FDEP SIGN SHOP TO PROVIDE ALL SIGNAGE TO CONTRACTOR.
2. ALL PAVEMENT MARKINGS SHALL BE PAVEMENT PAINT WITHIN THE PARK LIMITS.

Professional registration information for Cameron R. Snipes, Florida License Number 75465. Includes logos for Kimley-Horn and Associates, Inc. and DAG. Department of Environmental Protection, Division of Recreation and Parks, Bureau of Design and Construction, 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300.

SHEET NO. C-001A

MAINTENANCE

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT OR GREATER, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS.
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.
7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
5. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS FOR SEEDING AND MAINTENANCE REQUIREMENTS.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
18. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.



GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND ACCEPTING THE EXISTING CONDITIONS OF THE SITE PRIOR TO BIDDING.
2. ALL DISTURBED AREAS WITHIN THE LIMITS OF RESTORATION SHALL BE REVEGETATED AS SPECIFIED BY THE PARK SERVICE BIOLOGIST.
3. 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.
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 HIS/HER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL GRADE STAKES, LINES AND LEVELS.
6. THE CONTRACTOR SHALL SOLID SOD ALL DISTURBED AREAS UNLESS OTHERWISE SPECIFIED OR SHOWN.
7. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING ARE INCLUDED IN THE UNIT PRICES FOR CONSTRUCTING THIS PROJECT.
8. ALL AREAS, STREETS, DRIVEWAYS, PARKING LOTS, ETC. DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL OR BETTER CONDITION.
9. THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND WILL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE OWNER AND THOSE PERMITS OBTAINED BY THE CONTRACTOR.
10. 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.
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. PAYMET FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION OR OTHER PAY ITEMS AS APPROPRIATE.
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 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 STOCKPILE AND CONSTRUCTION STAGING AREAS AND WILL DEFINE THE MAXIMUM LIMITS OF ALL ACTIVE CONSTRUCTION ZONES.
13. 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)
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.
15. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
16. 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 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 AR TO BE PROTECT TO THE MAXIMUM EXTENT PRACTICABLE. TREE BARRICADES WILL BE INSTALLED AND MAINTAINED AROUND ALL TREES TO BE PROTECTED AS SHOWN ON DRAWINGS OR AS DIRECTED BY THE PROJECT MANAGER.
17. 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.
18. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF EXCAVATED MATERIAL OFF-SITE UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
19. 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.

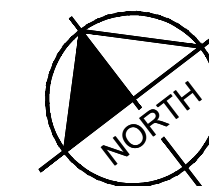
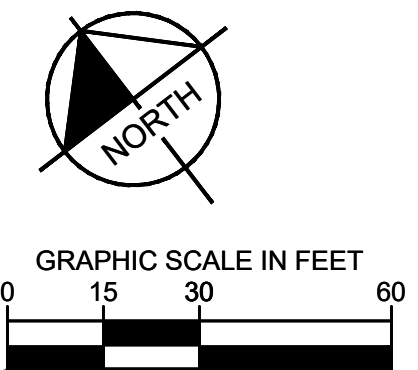
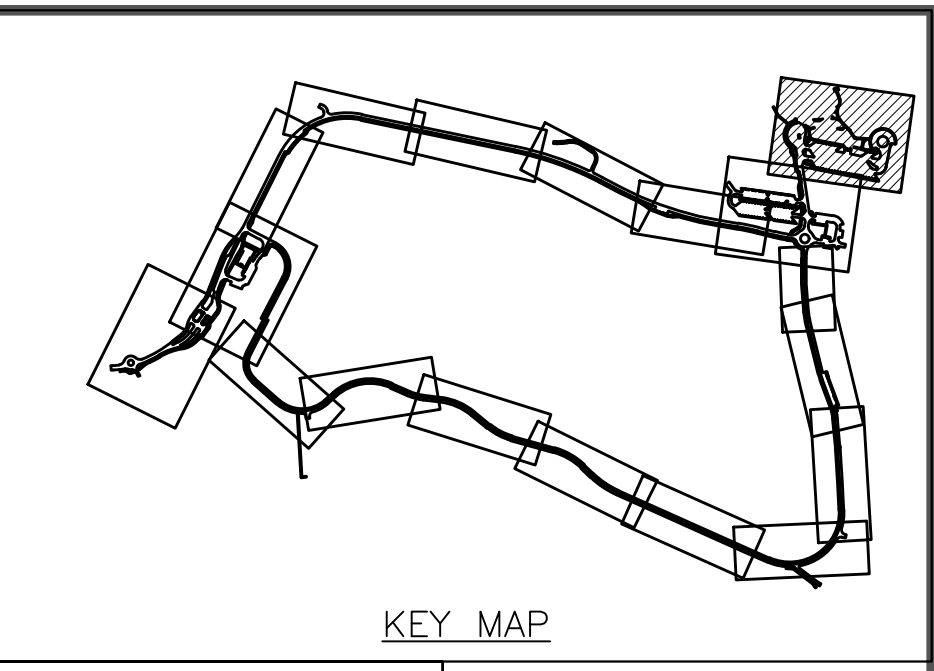
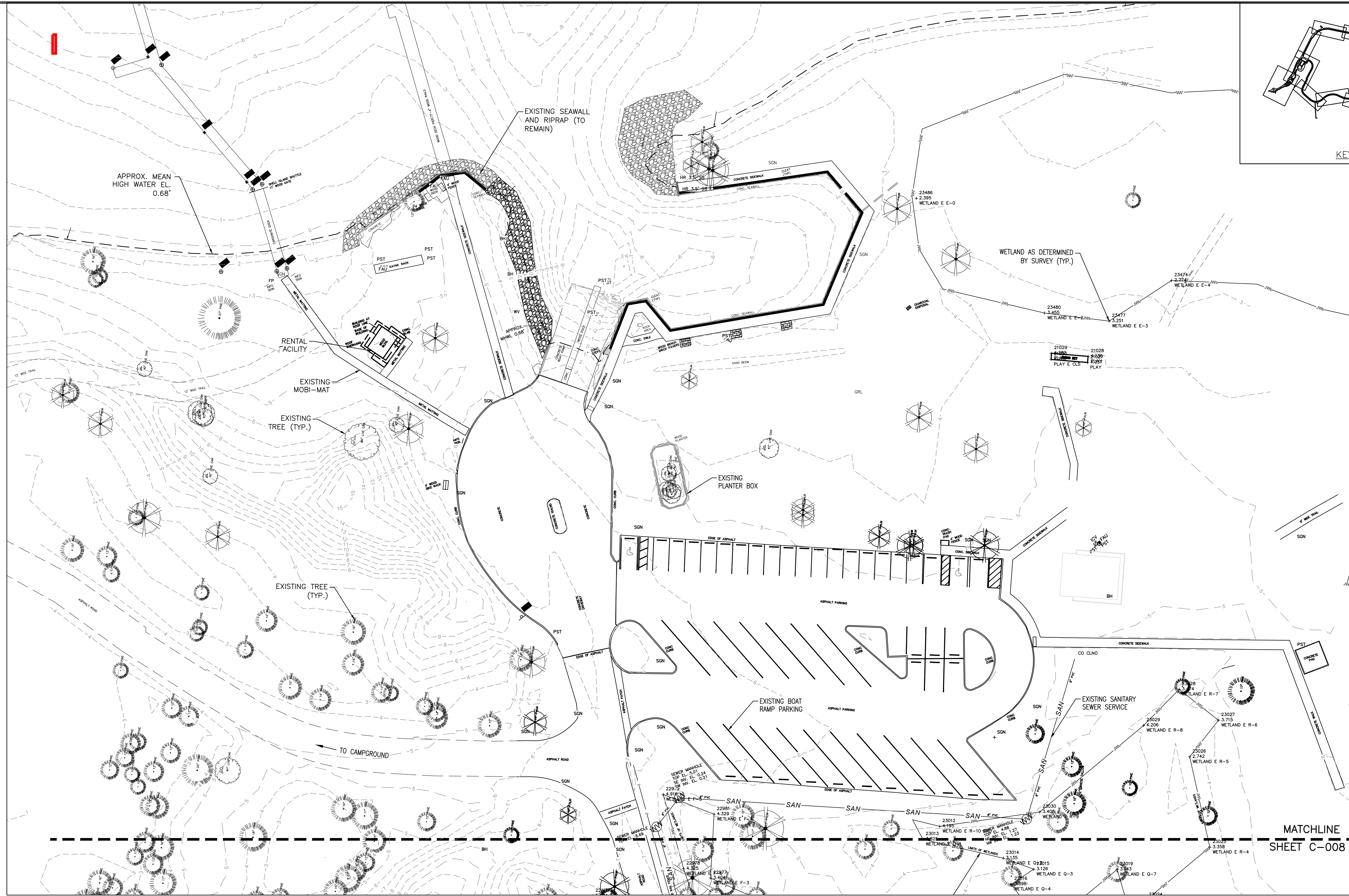
EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED DAILY AND REPAIRS MADE AS NECESSARY TO ENSURE PROPER AND CONTINUED FUNCTION OF THE CONTROL(S).
3. ALL EROSION AND SEDIMENTATION CONTROL SHALL REMAIN IN PLACE UNTIL A PERMANENT VEGETATION COVER HAS BEEN ESTABLISHED.
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.

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PROJECT TITLE	ST. ANDREWS STATE PARK REDEVELOPMENT	REVIEWED BY: CRS	STATE PROJECT No.: 61197C	(A) (B)	(C) (D)	
PROFESSIONAL REGISTRATION		CAMERON R. SNIPES FLORIDA LICENSE NUMBER 75465				
				Kimley-Horn A CONSULTING FIRM 1000 W. UNIVERSITY AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32310-4000 TEL: 904.437.2000 FAX: 904.437.2001		
				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300		
SHEET NO. C-001B						

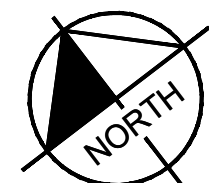
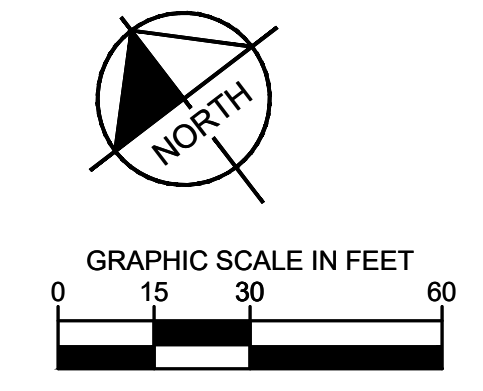
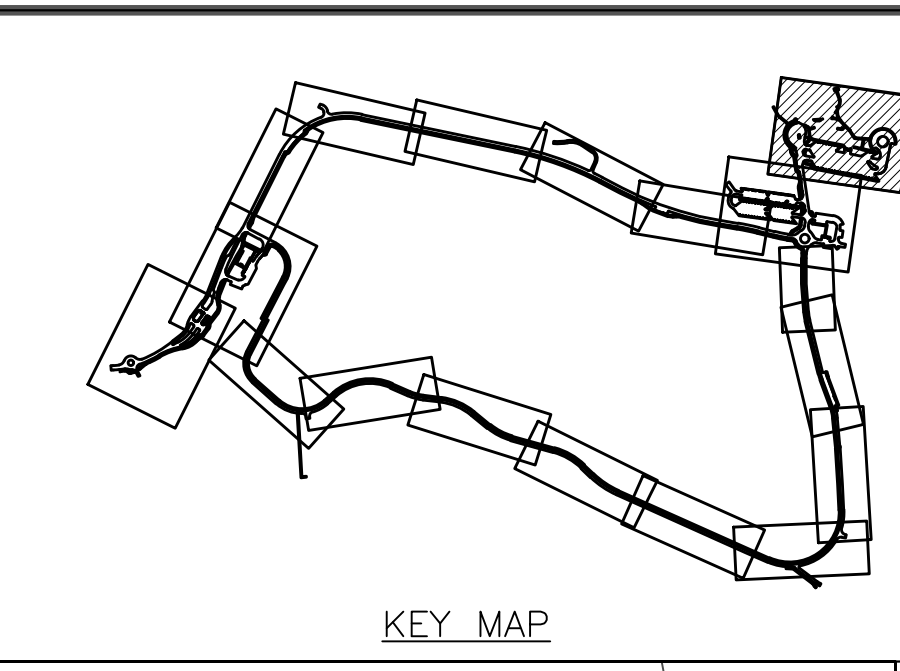
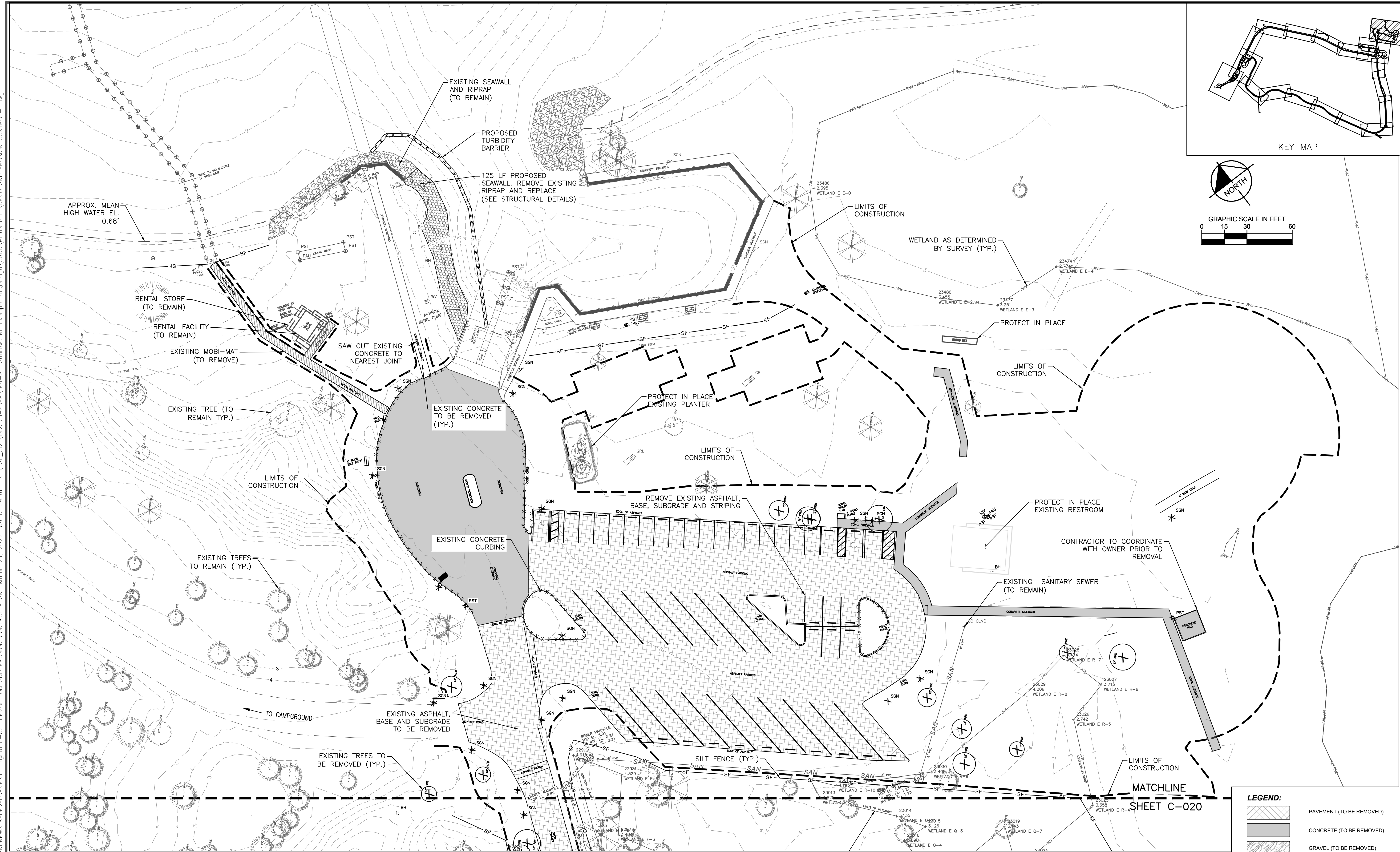
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SHEET NO.	C-009	
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	PROFESSIONAL REGISTRATION	CAMERON R. SNIPES FLORIDA LICENSE NUMBER 75465
DESIGNER :	TLB	ISSUE DATE: MARCH 2022
DRAWN BY:	TLB	COMP. FILE NO.:
REVIEWED BY:	CRS	STATE PROJECT NO.: 61197C
Consultant:		DAG
WoodPartners Inc.		Kimley-Horn
3000 ANDREWS BLVD., TALLAHASSEE, FL 32309		3800 COMMONWEALTH BLVD., TALLAHASSEE, FL 32309
FLORIDA PROFESSIONAL ENGINEER NO. 12585		FLORIDA PROFESSIONAL ENGINEER NO. 12585
DATE	REVISION	SYMBOL
		(A) (B)

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3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

Plotted By: Brenna, Spencer Sheet: St. Andrews Redevelopment Layout: C-021 DEMOLITION AND EROSION CONTROL PLAN March 24, 2022 09:45:28am K:\VAL_Civil\142725-FDEP\001-St. Andrews Redevelopment\Design\CADD\PlanSheets\DEM AND EROSION CONTROL-1.dwg

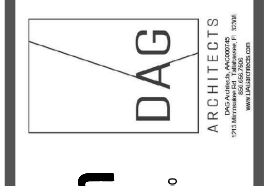


LEGEND:

	PAVEMENT (TO BE REMOVED)
	CONCRETE (TO BE REMOVED)
	GRAVEL (TO BE REMOVED)
	METAL MATTING TO BE REMOVED
	RIPRAP TO BE REMOVED
	EXISTING TO BE REMOVED
	EXISTING TREE TO BE REMOVED
	EXISTING ITEM TO BE REMOVED
	TREE PROTECTION
	SILT FENCE
	LIMITS OF CONSTRUCTION

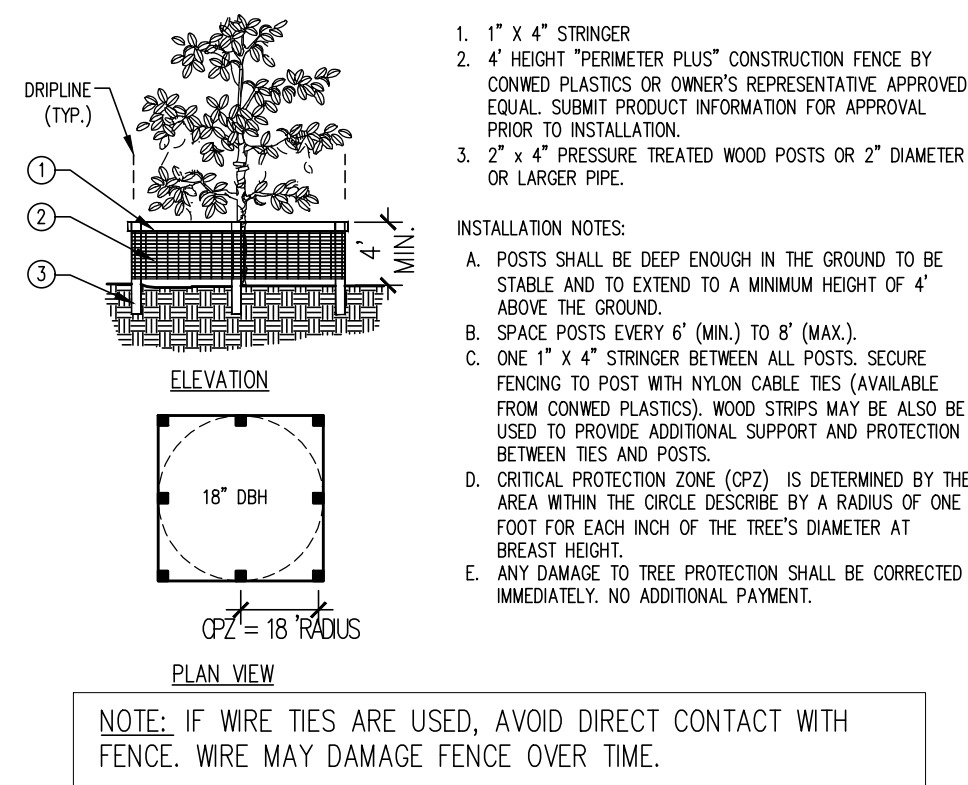
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PROFESSIONAL REGISTRATION CAMERON R. SNIPES FLORIDA LICENSE NUMBER 75465			CONSULTANT: Kimley-Horn WOOD PARTNERS INC. 3030 ANDERSON ROAD, SUITE 100 TALLAHASSEE, FL 32309 TEL: 904.251.1111 FAX: 904.251.1112		
SHEET TITLE ST. ANDREWS STATE PARK DEMOLITION AND EROSION CONTROL PLAN			PROJECT TITLE ST. ANDREWS STATE PARK REDEVELOPMENT		
SHEET NO. C-021					

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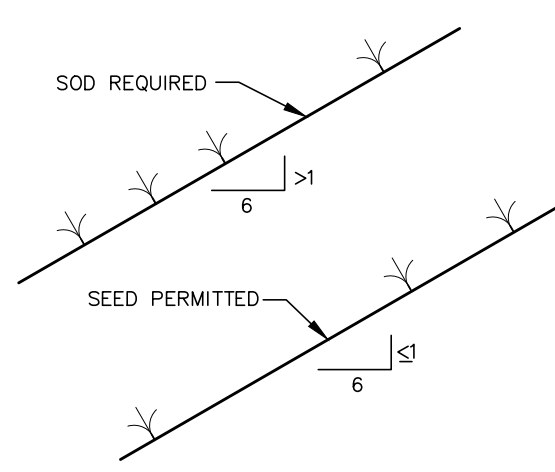


Kimley-Horn
 WOOD PARTNERS INC.
 3030 ANDERSON ROAD, SUITE 100
 TALLAHASSEE, FL 32309
 TEL: 904.251.1111 FAX: 904.251.1112

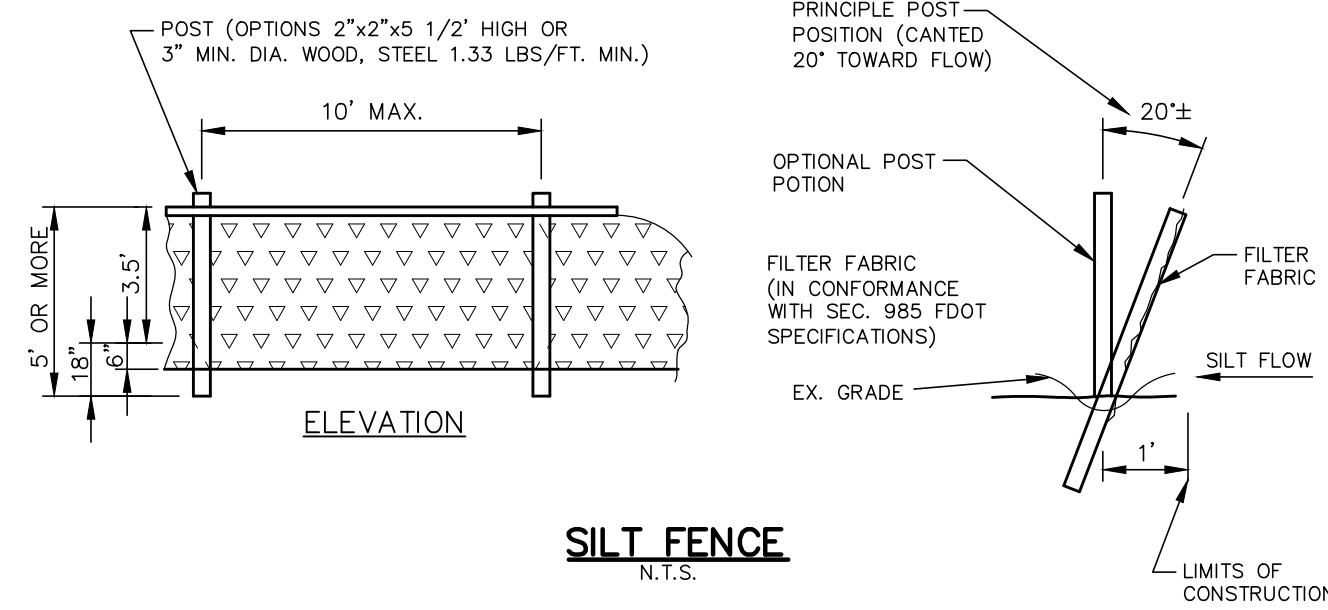
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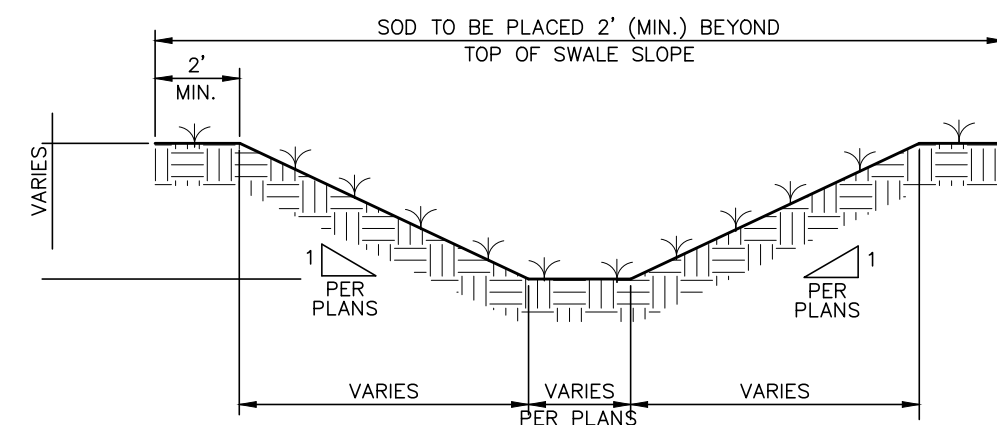
TREE PROTECTION
N.T.S.
FIGURE 1



GRASS SLOPES
N.T.S.
FIGURE 5



SILT FENCE
N.T.S.
FIGURE 2



TYPICAL SWALE SECTION
N.T.S.
FIGURE 6

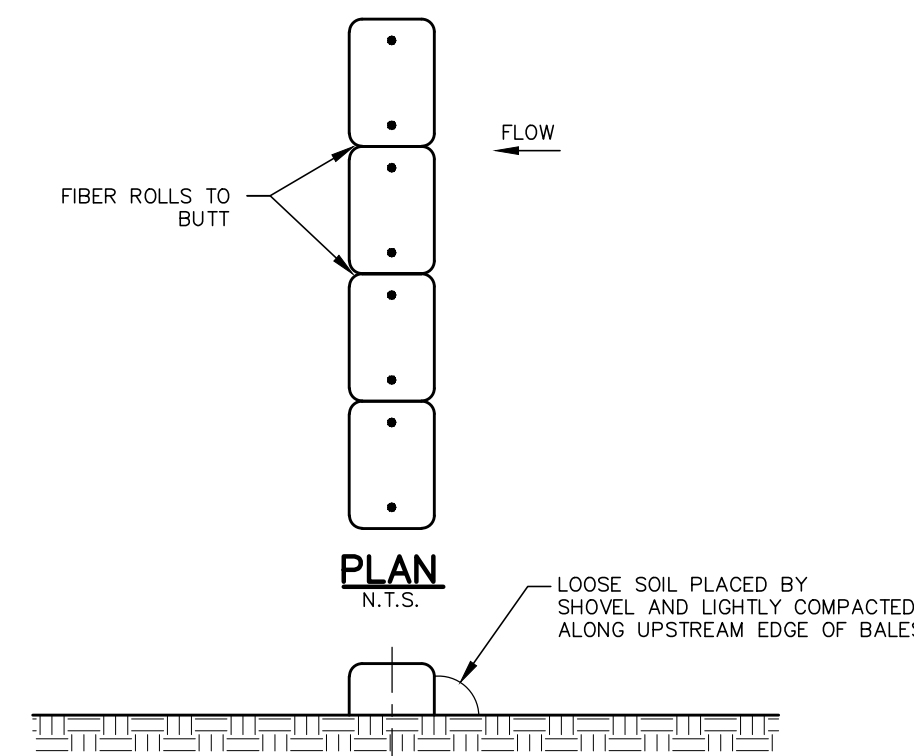
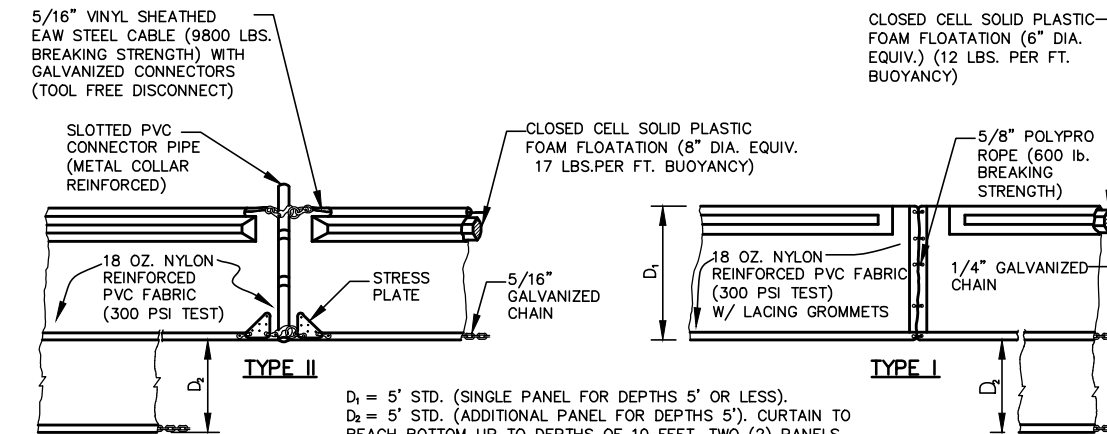
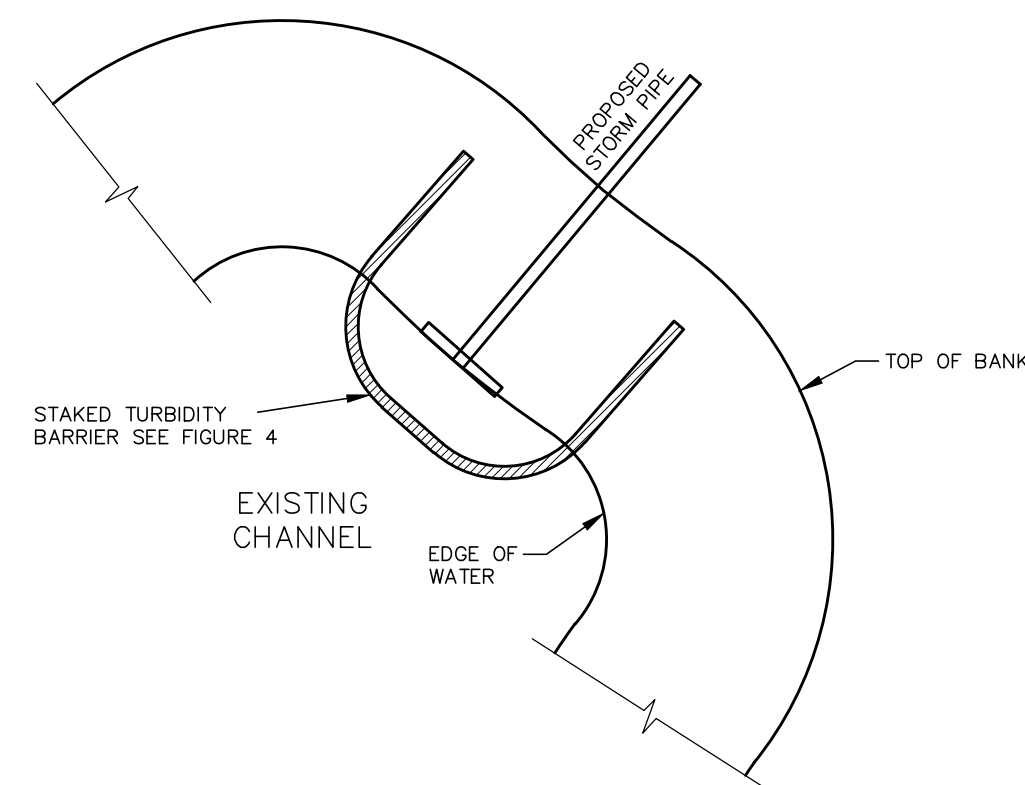


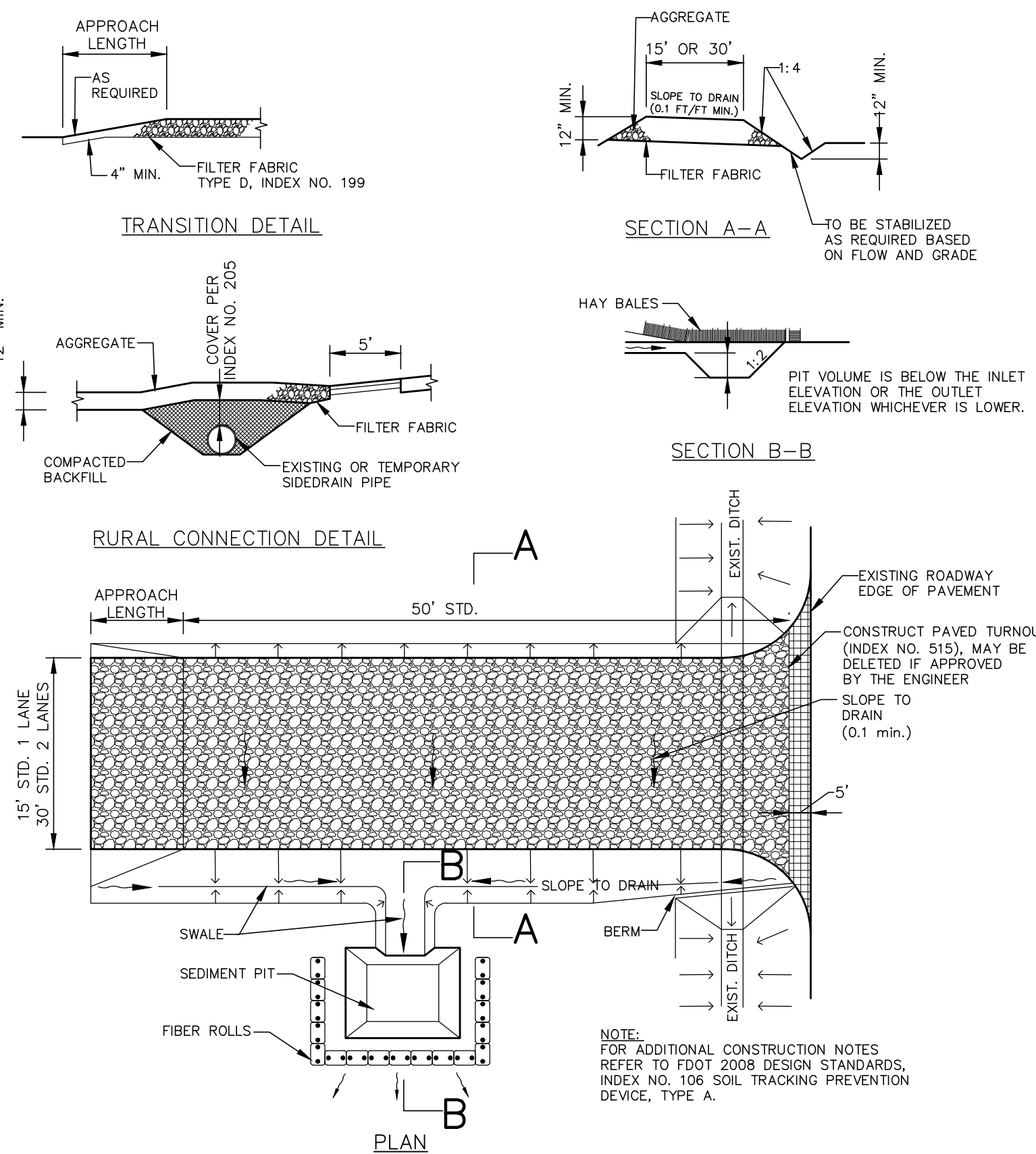
FIGURE 3



FLOATING TURBIDITY BARRIERS
N.T.S.
FIGURE 4



FLOATING TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE
N.T.S.
FIGURE 7



SOIL TRACKING PREVENTION DEVICE
N.T.S.
FIGURE 8

NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

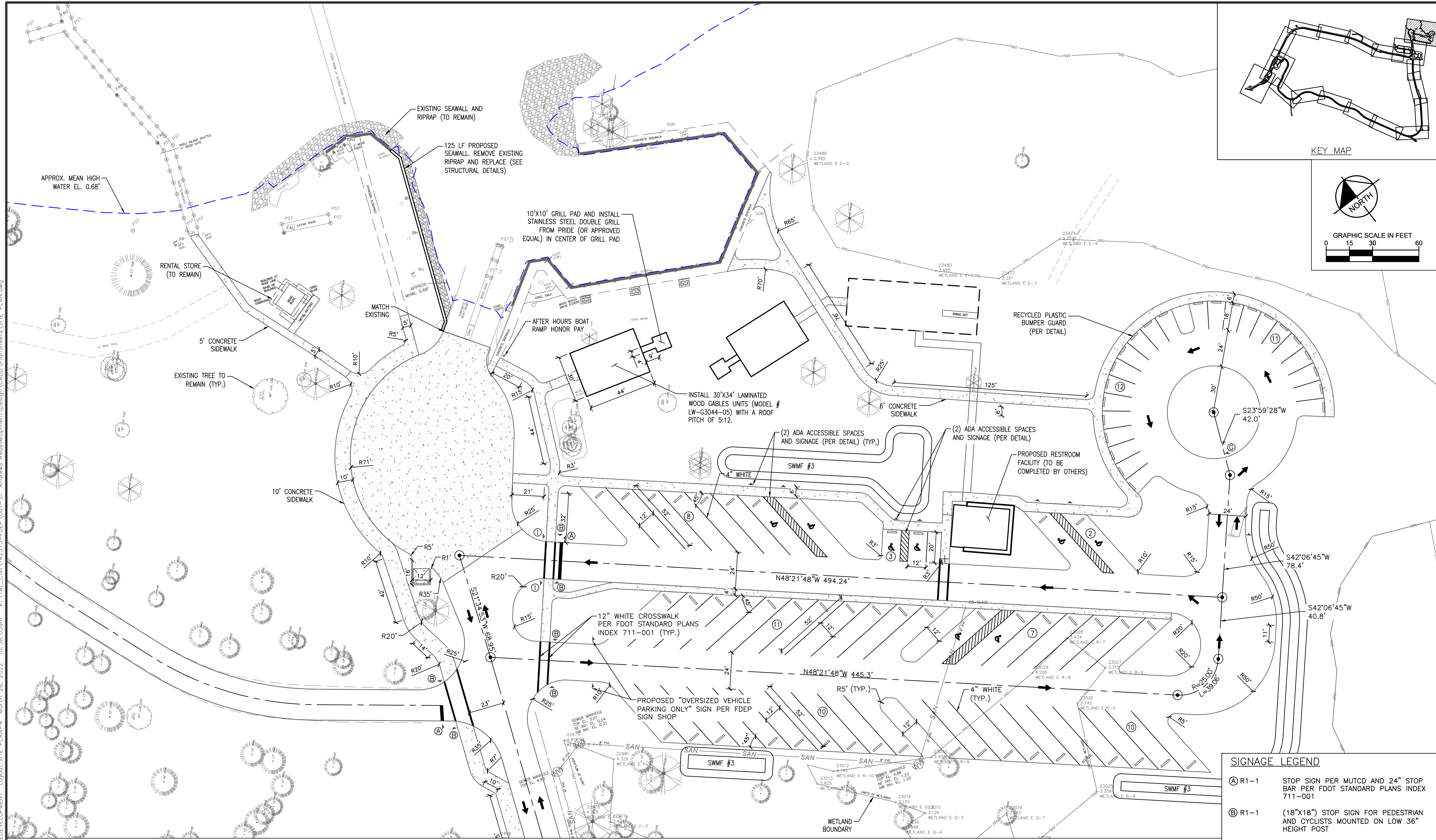
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REVIEWED BY :	CRS	STATE PROJECT NO. :	61197C	SYMBOL :	(C)	DATE :	
CONSULTANT :	WoodPartners Inc			SYMBOL :	(D)	DATE :	
PROFESSIONAL REGISTRATION :	CAMERON R. SNIPES						
	FLORIDA LICENSE NUMBER 75465						
SHEET TITLE :	ST. ANDREWS STATE PARK						
PROJECT TITLE :	EROSION CONTROL DETAILS						
	ST. ANDREWS STATE PARK REDEVELOPMENT						
SHEET NO. :	C-027						

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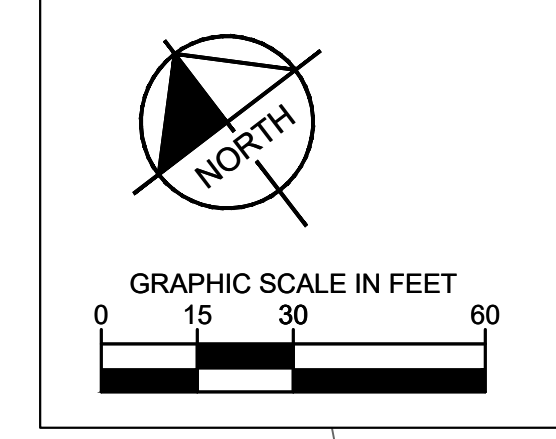
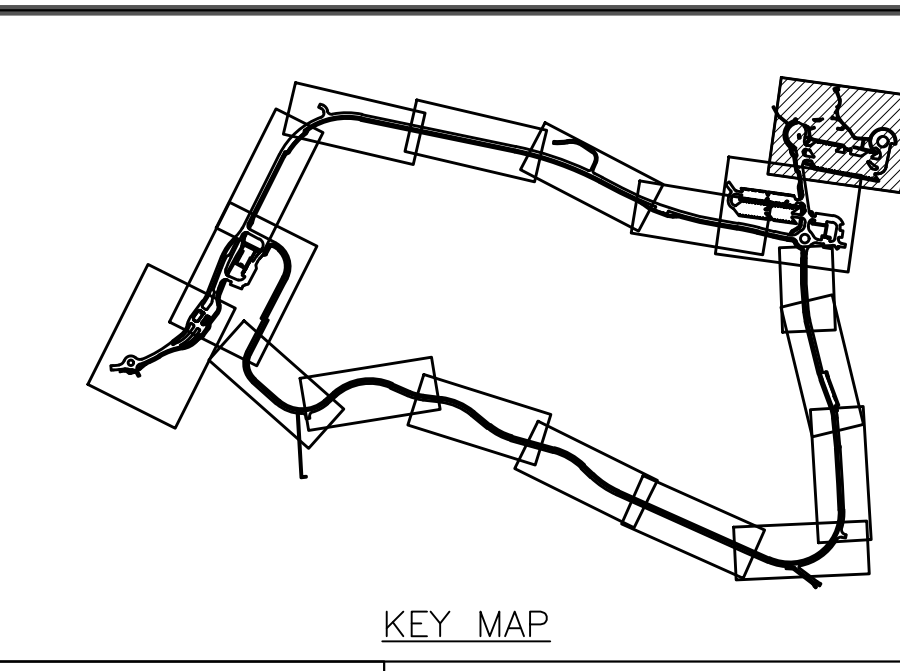


SIGNAGE LEGEND

Ⓐ R1-1	STOP SIGN PER MUTCD AND 24" STOP BAR PER FDOT STANDARD PLANS INDEX 711-001
Ⓑ R1-1	(18"x18") STOP SIGN FOR PEDESTRIAN AND CYCLISTS MOUNTED ON LOW 36" HEIGHT POST
Ⓒ R1-2	YIELD SIGN PER MUTCD
Ⓓ R1-5b	STOP HERE FOR PEDESTRIAN PER MUTCD
Ⓔ W17-1	TRAFFIC CALMING SIGN
Ⓕ W11-15a W16-2P	TRAIL CROSSING AHEAD SIGN MODIFIED "AHEAD 100" FEET PER MUTCD
Ⓖ R6-1	ONE WAY SIGN PER MUTCD
Ⓕ R2-1	SPEED LIMIT SIGN PER MUTCD
Ⓗ R5-1	DO NOT ENTER SIGN PER MUTCD
Ⓙ W11-15 W11-15P W16-7P	TRAFFIC CALMING/TRAIL CROSSING SIGNAGE
Ⓚ R2-3	NO LEFT TURN PER MUTCD
Ⓛ R3-1	NO RIGHT TURN PER MUTCD

Parking Data

Proposed Parking Spaces:	
Number of regular spaces provided:	23
Number of camper/trailer spaces provided:	42
Number of ADA spaces provided:	2
Number of Trailer ADA spaces provided:	4
Total number of spaces provided:	71



DATE		REVISION		SYMBOL	
DATE		REVISION		SYMBOL	
MARCH 2022		MARCH 2022		A	B
ISSUE DATE:	MARCH 2022	ISSUE DATE:	MARCH 2022	SYMBOL	A
DRAWN BY:	TLB	DRAWN BY:	TLB	SYMBOL	B
DESIGNER:	TLB	DESIGNER:	TLB	SYMBOL	C
REVIEWED BY:	CRS	REVIEWED BY:	CRS	SYMBOL	D
CONSULTANT:	WOODPARTNERS INC	CONSULTANT:	WOODPARTNERS INC	SYMBOL	E
PROFESSIONAL REGISTRATION	CAMERON R. SNIPES	PROFESSIONAL REGISTRATION	CAMERON R. SNIPES	SYMBOL	F
FLORIDA LICENSE NUMBER	75465	FLORIDA LICENSE NUMBER	75465	SYMBOL	G
SHEET TITLE	ST. ANDREWS STATE PARK	SHEET TITLE	ST. ANDREWS STATE PARK	SYMBOL	H
PROJECT TITLE	ST. ANDREWS STATE PARK REDEVELOPMENT	PROJECT TITLE	ST. ANDREWS STATE PARK REDEVELOPMENT	SYMBOL	I
SHEET NO.	C-032	SHEET NO.	C-032	SYMBOL	J

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

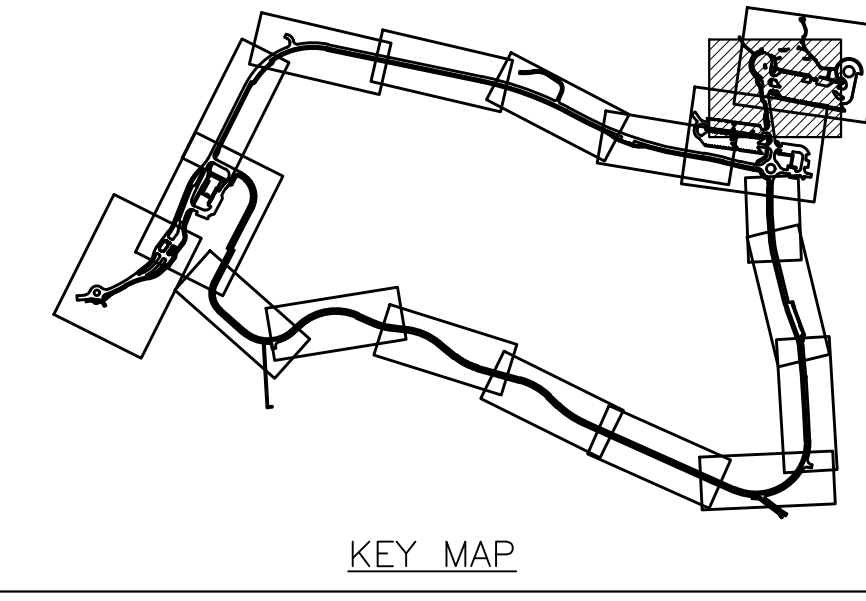
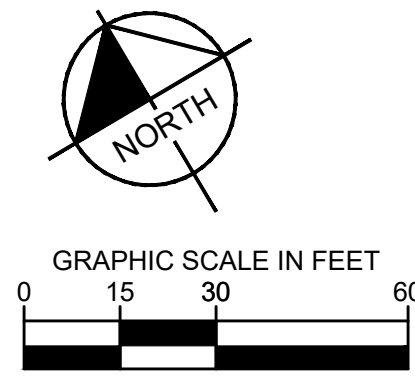
Kimley-Horn
 CONSULTANTS
 2000 ANDREWS AVENUE, SUITE 200
 TALLAHASSEE, FLORIDA 32310
 TEL: (904) 433-1111 FAX: (904) 433-1112
 WWW.KIMLEY-HORN.COM

Plotted By: Brenna, Spencer Sheet Set: ST. ANDREWS REDEVELOPMENT Layout: C-052 MARINE CONSTRUCTION PLAN March 24, 2022 09:51:07am K:\TAL_CIVIL\42375-FDEP\001-ST. Andrews Redevelopment\Design\CADD\PlanSheets\C-022 MARINE CONSTRUCTION PLAN.dwg



NOTES:

- CONTRACTOR SHALL:
1. LOCATE AND PROTECT TIEBACK FOR EXISTING WALL PRIOR TO AND DURING CONSTRUCTION.
 2. REMOVE AND REPLACE EXISTING WATER LINE. COORDINATE WITH OWNER.
 3. COORDINATE CLOSURE OF SIDEWALK, BOAT RAMP, AND PIER WITH OWNER TO MINIMIZE DISRUPTION.
 4. REPLACE SIDEWALK BEHIND PROPOSED BULKHEAD. MATCH EXISTING.
 5. CONCRETE DEAD MEN NUMBERS 2 AND 3 (DM-2 AND DM-3) SHALL BE LOCATED A MINIMUM OF 3'-0" BELOW GRADE.



SHEET NO. C-053	PROJECT TITLE ST. ANDREWS STATE PARK REDEVELOPMENT	SHEET TITLE MARINE CONSTRUCTION PLAN	PROFESSIONAL REGISTRATION CAMERON R. SNIPES FLORIDA LICENSE NUMBER 75465	DESIGNER : TLB	ISSUE DATE: MARCH 2022	SYMBOL	REVISION	DATE	
				DRAWN BY: TLB	COMP. FILE NO.:	(A)	(B)		
				REVIEWED BY: CRS	STATE PROJECT No.: 61197C	(C)	(D)		
				Consultant: WoodPartners Inc 1415 W. PALM BEACH BLVD., SUITE 200 PALM BEACH, FL 33480 TEL: 561.833.8888 FAX: 561.833.8889	Kimley-Horn 3035 ANDREWS PARK AND ASSOCIATES, INC. 1415 W. PALM BEACH BLVD., SUITE 200 PALM BEACH, FL 33480 TEL: 561.833.8888 FAX: 561.833.8889		DAG A REGISTERED PROFESSIONAL ENGINEER		Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

Plotted By: Brennait, Spencer Sheet: Set: ST. ANDREWS REDEVELOPMENT Layout: C-053 STRUCTURAL NOTES March 24, 2022 09:51:13am K:\TAL\Civil\142375-FDEP\001-St. Andrews Redevelopment\Design\CADD\PlanSheets\C-053 STRUCTURAL NOTES.dwg

STRUCTURAL NOTES

1. GENERAL:

- (A) USE THESE NOTES IN CONJUNCTION WITH THE FDOT STANDARD SPECIFICATIONS. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS. THE ENGINEER OF RECORD SHALL BE CONTACTED FOR CLARIFICATION.
- (B) PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE. PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC. CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLIGENCE.
- (C) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES.
- (D) PRIOR TO CONSTRUCTION, FIELD VERIFY ALL DIMENSIONS IN THE DRAWINGS AND DETAILS AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
- (E) REFER TO THE ENGINEER FOR INSTRUCTION FOR ANY DIMENSION NOT GIVEN ON DRAWINGS. SCALING OF DRAWINGS SHALL NOT BE USED TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THE DRAWINGS.
- (F) THE MATERIALS, FABRICATION AND INSTALLATION USED IN THIS WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT FDOT SPECIFICATIONS UNLESS MODIFIED HEREIN.

2. STRUCTURAL STEEL:

- (A) STRUCTURAL STEEL IS THAT WORK DEFINED IN THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "CODE OF STANDARD PRACTICE".
- (B) ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
- (C) ALL STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATION AND CODE OF STANDARD PRACTICE.
- (D) ALL WELDING SHALL CONFORM TO THE RECOMMENDATIONS OF THE AMERICAN WELDING SOCIETY. ALL WELDING SHALL BE PERFORMED ONLY BY CERTIFIED WELDERS. USE E70XX ELECTRODES, UNLESS NOTED OTHERWISE.
- (E) ALL BOLTED CONNECTIONS SHALL BE ASTM A325 WITH HARDENED WASHERS, UNLESS NOTED OTHERWISE.
- (F) ALL TIE RODS, PLATES, BOLTS ETC. SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION. STEEL SUBJECTED TO EARTH CONTACT SHALL BE COAL TAR EPOXY COATED AFTER FABRICATION AND GALVANIZING, BUT BEFORE ASSEMBLY. THREADED PARTS MAY BE COATED AFTER ASSEMBLY.
- (G) SUBMIT ORIGINAL SHOP DRAWINGS, INCLUDING COMPLETE DETAILS, SCHEDULES OF FABRICATION AND ASSEMBLY, PROCEDURES, AND DIAGRAMS. INCLUDE DETAILS OF CUTS, CONNECTIONS, CAMBER, HOLES, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS A2.1 AND A2.4 SYMBOLS, AND SHOW SIZE, LENGTH, AND TYPE OF WELD. PROVIDE SETTING DRAWINGS, TEMPLATES AND DIRECTION FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGE TO BE INSTALLED AS WORK OF OTHER SECTIONS.
- (H) AFTER FABRICATION, STANDARD CLEANING AND PICKLING, ALL WELDER STEEL AND SPLICE PLATES SHALL BE SHOP PRIMED AND COATED WITH TWO COATS OF COAL TAR EPOXY. NON-STAINLESS STEEL BOLTS, WASHERS AND NUTS SHALL BE HOT DIPPED GALVANIZED PER ASTM A153.
- (I) REPAIR FIELD DAMAGED COAL TAR EPOXY COATING WITH TWO COATS OF FIELD APPLIED COAL TAR EPOXY PER MANUFACTURER REQUIREMENTS.

3. CONCRETE:

- (A) ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH ACI 318 AND ACI 301, LATEST EDITION.
- (B) STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5,500 PSI. CONCRETE COVER OVER REINFORCING BARS IS NOTED ON PLANS.
- (C) FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO, FIBERGLASS, PLASTIC, AND/OR CONCRETE BLOCK.
- (D) CONCRETE FINISHES: FORMED SURFACE-SMOOTH FORM FINISH PER ACI 301.
- (E) ALL GROUT SHALL BE NON-SHRINK, NON-METALLIC.
- (F) CONCRETE SHALL BE WET CURED IN ACCORDANCE WITH ACI 301 FOR A MINIMUM OF 5 DAYS.
- (G) ALL CONCRETE SHALL BE PLACED IN THE DRY.
- (H) PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES UNLESS OTHERWISE NOTED.

4. REINFORCEMENT:

- (A) ALL REINFORCING STEEL SHALL BE NEW, DEFORMED BARS, FREE OF RUST, SCALE, AND OIL, CONFORMING TO ASTM A615, GRADE 60 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
- (B) ALL REINFORCING SHALL BE UNCOATED (BLACK).
- (C) ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- (D) ACI STANDARD HOOKS SHALL BE USED UNLESS OTHERWISE NOTED.
- (E) ALL LAP SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318 AND CRSI STANDARD PRACTICES FOR CLASS 'B' SPLICES, EXCEPT AS OTHERWISE NOTED.

5. STEEL SHEET PILING:

- (A) SHEET PILE STEEL SHALL CONFORM TO ASTM A572 GRADE 60, fy=60 ksi MIN.
- (B) SHEET PILES SHALL BE DRIVEN TO DEPTHS INDICATED ON CONSTRUCTION PLANS.
- (C) INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 455-9 OF THE JULY 2021 FDOT STANDARD SPECIFICATIONS.
- (D) THE EMBEDMENT LENGTHS PROVIDED ARE MINIMUM LENGTHS. THE CONTRACTOR MAY PLACE LONGER SHEET PILING AT HIS EXPENSE.
- (E) SHOP APPLY ONE COAT OF INORGANIC ZINC PRIMER (SHERWIN WILLIAMS ZINC CLAD II PLUS, OR APPROVED EQUIVALENT, 2-4 mils) AND TWO COATS OF COAL TAR EPOXY (SHERWIN WILLIAMS TARGUARD, OR APPROVED EQUIVALENT, 8-16 mils PER COAT) TO ALL SURFACES OF SHEET PILES INCLUDING EMBEDDED PORTIONS, PURSUANT TO SECTION 560-11 OF THE JULY 2021 FDOT STANDARD SPECIFICATIONS. STRIPE COAT ALL CREVICES AND SHARP ANGLES TO PREVENT EARLY FAILURE IN THESE AREAS. STRIPE COAT EACH BALL AND SOCKET WITH ONE COAT ZINC PRIMER AND ONE COAT COAL TAR EPOXY. FOR SHEET PILE DELIVERED FROM THE MILL IN PAIRS, ORIENT SPRAYER STRIPE COAT TO MAXIMIZE COATING APPLICATION INSIDE OF THE PREASSEMBLED INTERLOCKED BALL AND SOCKET AFTER INSTALLATION OF THE ENTIRE SHEET PILING. AFTER RIP RAP INSTALLATION, PERFORM HOLIDAY TESTING. TOUCH UP COAT ANY SCRATCHED AREAS WITH 2 COATS OF TARGUARD, 8-16 mils PER COAT. COAT FROM PILING TOP TO 5 FEET BELOW THE MUCK LINE OF ALL SHEET PILES.

6. STRUCTURAL TIMBER

- (A) ALL TIMBER SHALL BE PRESERVATIVE TREATED (P.T.) IN ACCORDANCE WITH AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) U1 AND T1 FOR SALTWATER IMMERSION. USE CATEGORY 5C: CHROMATED COPPER ARSENATE (CCA) 2.50 LB/CF MINIMUM.
- (B) JOB SITE FABRICATION CUTS AND BORINGS IN TREATED LUMBER SHALL BE FIELD TREATED WITH COPPER NAPHTHENATE HAVING A MINIMUM OF 2% METALLIC SOLUTION IN ACCORDANCE WITH AWPA STANDARD M4.
- (C) ALL TIMBER SHALL BE NO. 2 YELLOW PINE UNLESS OTHERWISE NOTED ON PLANS AND SHALL CONFORM TO THE LATEST EDITION OF THE SOUTHERN PINE INSPECTION BUREAU "STANDARD GRADING RULES."
- (D) ALL FASTENERS SHALL BE HARDENED TYPE 316 STAINLESS STEEL (S.S.) UNLESS NOTED OTHERWISE.
- (E) NAILS SHALL BE STAINLESS STEEL RING SHANK, UNLESS NOTED OTHERWISE.
- (F) SCREWS SHALL BE SELF COUNTERSINKING WITH HEAVY SHANK AND MEDIUM PITCH THREADS. SCREWS SHALL BE STAINLESS STEEL.

7. FOUNDATIONS:

- (A) A GEOTECHNICAL REPORT HAS BEEN PREPARED BY NOVA ENGINEERING AND ENVIRONMENTAL AND IS DATED MARCH 27, 2020. NOVA PROJECT #: 10111-2020028.
- (B) NOTIFY THE ENGINEER IMMEDIATELY OF ANY EXISTING FOUNDATION CONDITIONS OR DETAILS THAT ARE IN CONFLICT WITH THOSE INDICATED AND SHOWN IN THE DRAWINGS.
- (C) ADHERE TO THE RECOMMENDATIONS MADE IN THE RECOMMENDATIONS SECTION OF THE GEOTECHNICAL REPORT.
- (D) THE FILL MATERIAL TO BE USED FOR BACKFILL BEHIND THE WALL SHALL CONSIST OF CLEAN SAND WITH LESS THAN 10% PASSING THE No. 200 SIEVE AND BE FREE OF RUBBLE, ORGANICS, CLAY, DEBRIS, AND OTHER UNSUITABLE MATERIAL. FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES IN THICKNESS AND SHOULD BE COMPACTED TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (ASTM D1557).
- (E) DIFFICULT PILE DRIVING OPERATIONS MAY BE ENCOUNTERED DUE TO THE PRESENCE OF LIMESTONE.

8. INSTALLATION:

- (A) AT THE CONTRACTOR'S OPTION, ANCHOR BLOCKS MAY BE SITE PRECAST OR MAY BE CAST IN PLACE, IN LIEU OF PRECAST. ALL PRECAST OR Poured IN PLACE ANCHORS SHALL BE PLACED IN COMPACTED FILL AND ALL FILL PLACED AROUND THE BLOCKS SHALL BE COMPACTED TO 100% OF THE MAXIMUM DENSITY OF AASHTO T99.
- (B) AFTER INSTALLATION OF SHEET PILING, ANCHOR BLOCKS, AND TIE RODS AND BACKFILLING AROUND THE ANCHOR BLOCKS, THE TIE RODS SHALL BE TIGHTENED SO THAT THERE IS NO SLACK IN THE ROD. ANY DAMAGE TO THE TIE ROD COATING SHALL BE REPAIRED AND THE COATING PROTECTED DURING BACKFILLING.
- (C) ALL WEEP HOLES SHALL BE FIELD CUT AFTER INSTALLATION OF SHEET PILES. TOUCH UP COATING AFTER CUTTING.

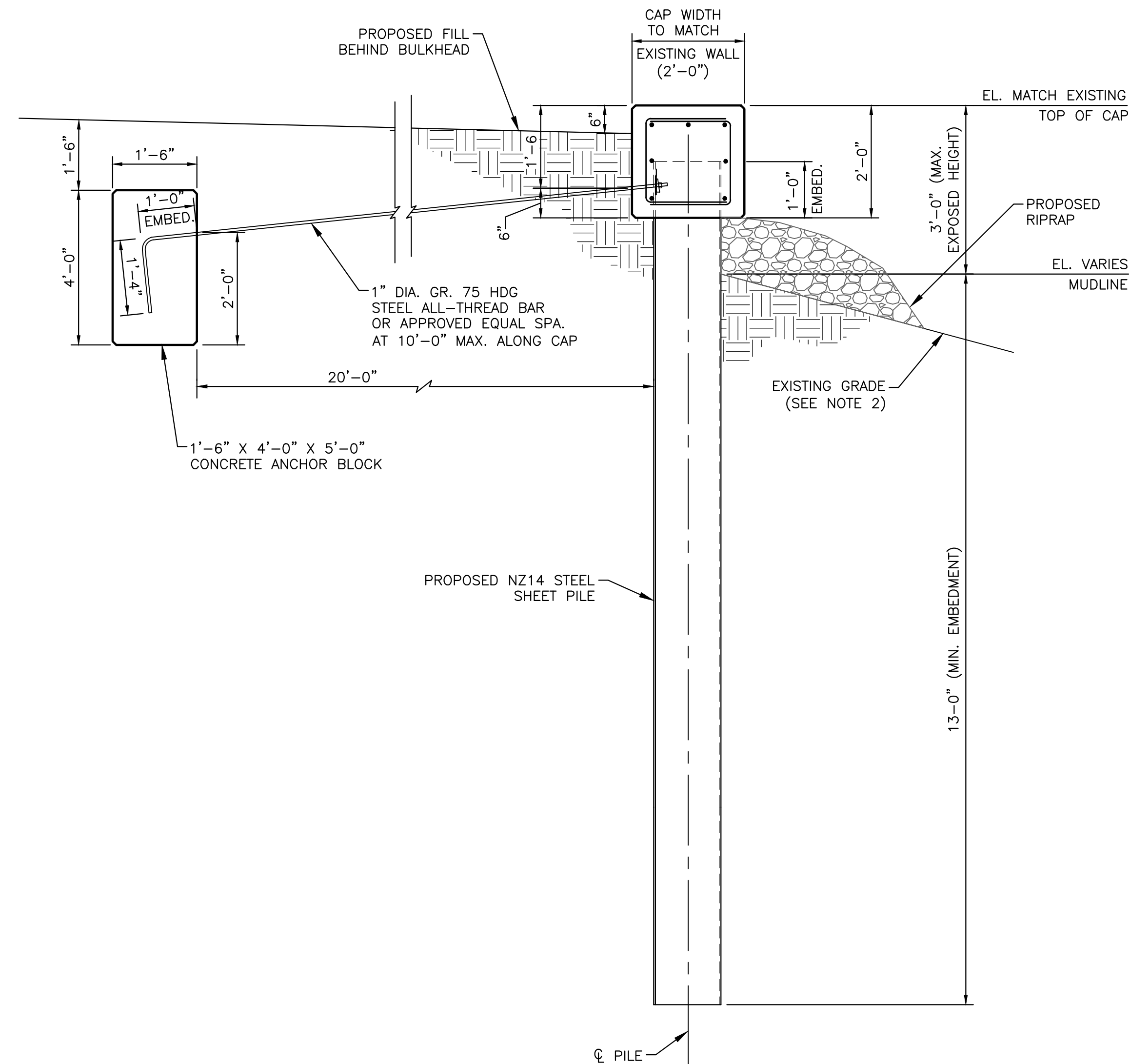
DESIGN

1. 7TH EDITION (2020) FLORIDA BUILDING CODE
2. 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
3. 2021 AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) BOOK OF STANDARDS
4. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).

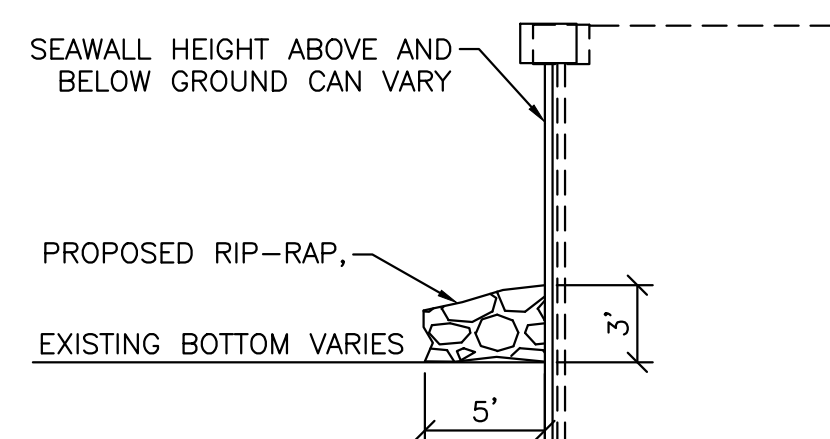
DATE	REVISION	SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION
		C			D		
ISSUE DATE: MARCH 2022	COMP. FILE No.:	STATE PROJECT No.:	 Kimley-Horn <small>WOOD PARTNERS INC. CONSULTANTS</small> <small>1000 W. UNIVERSITY BLVD., SUITE 200, TALLAHASSEE, FL 32304</small> <small>PH: 904.437.7000 FAX: 904.437.7001</small>				
DESIGNER: TLB	DRAWN BY: TLB	REVIEWED BY: LCH					
PROFESSIONAL REGISTRATION			LEVON C. HOOMES FLORIDA LICENSE NUMBER 83339				
SHEET TITLE			ST. ANDREWS STATE PARK				
PROJECT TITLE			BOARDWALK AND BULKHEAD NOTES				
PROJECT TITLE			ST. ANDREWS STATE PARK REDEVELOPMENT				
SHEET NO. C-054							

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

Plotted By: Brennat, Spencer Sheet Set: ST. ANDREWS REDEVELOPMENT Layout: C-055 SEAWALL PLAN AND DETAILS March 24, 2022 09:51:22am K:\TAL_civil\42375-FDEP\001-St. Andrews Redevelopment\Design\CADD\PlanSheets\C-024 STRUCTURAL DETAILS.dwg



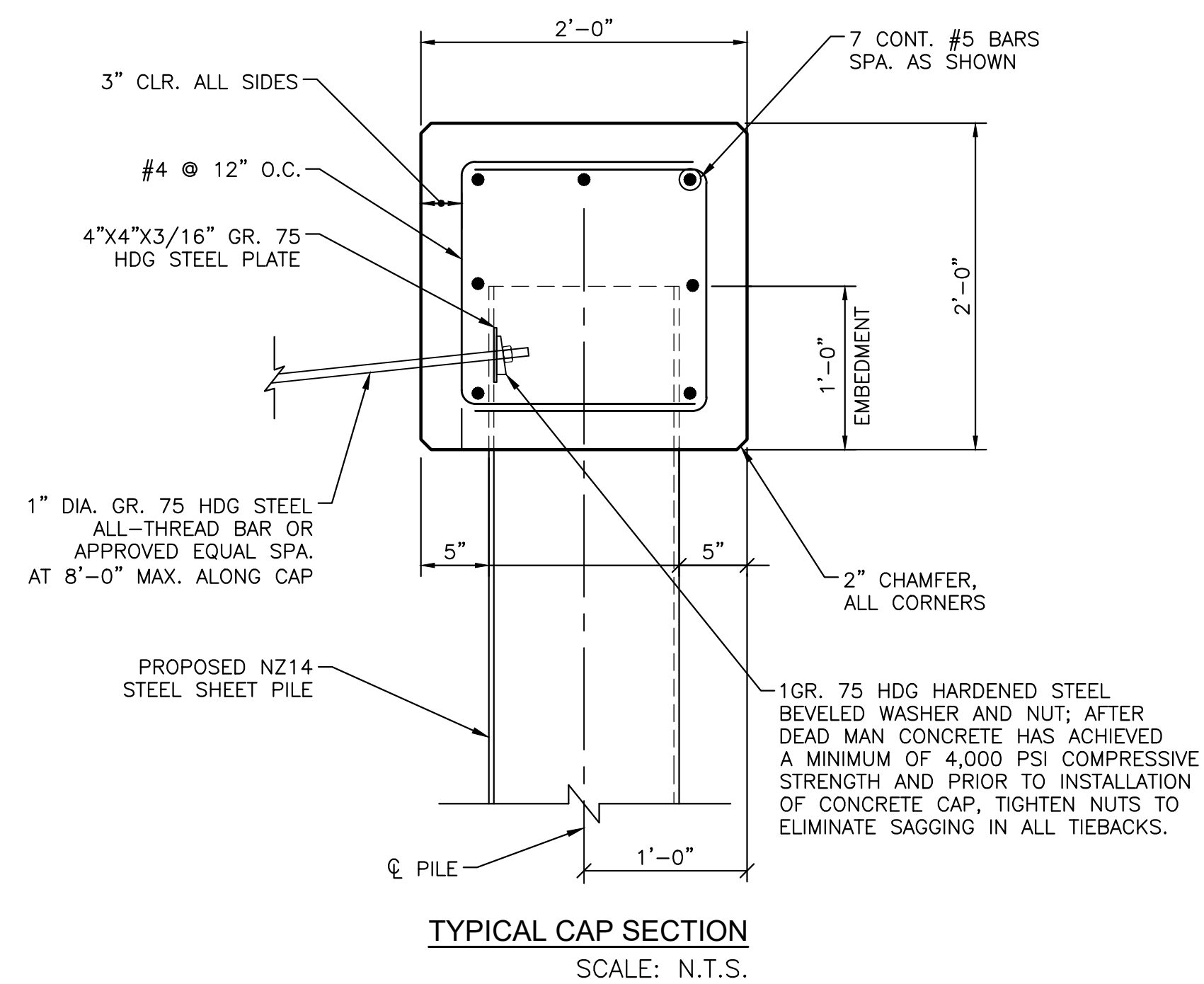
TYPICAL BULKHEAD SECTION
SCALE: N.T.S.



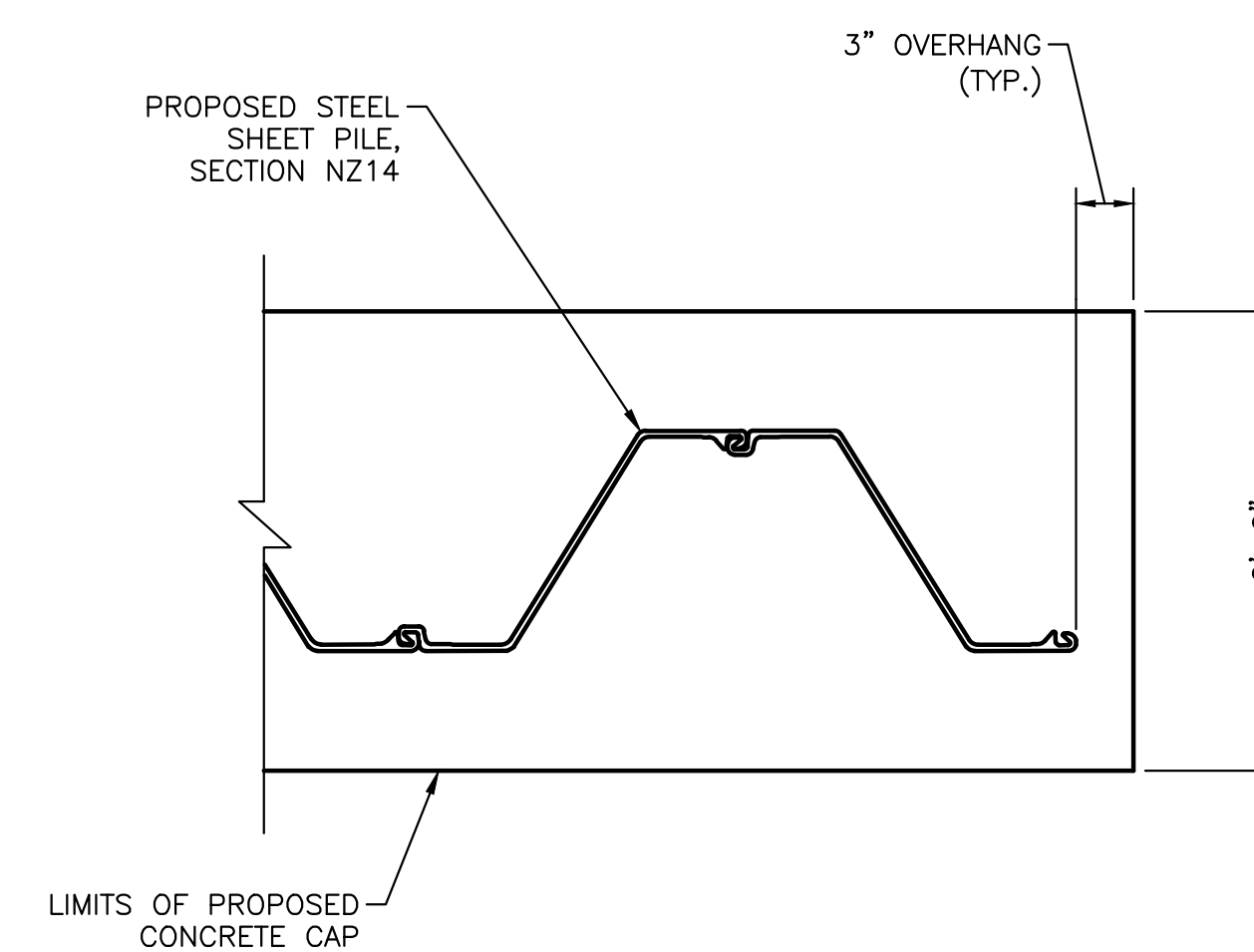
PROPOSED RIPRAP - SEAWALL SECTION
NOT TO SCALE

RIPRAP NOTES:

1. SEAWALL RIPRAP
 - A.) RIPRAP BANK STABILIZATION SHALL BE SIZED PER FDOT STANDARD SPECIFICATION SECTION 530-2.1.3.1 RUBBLE (BANK AND SHORE PROTECTION).
 - B.) THE MINIMUM BLANKET THICKNESS SHALL BE 2.5 FEET PER FDOT STANDARD SPECIFICATION SECTION 530-2.1.3.1 RUBBLE (BANK AND SHORE PROTECTION).
- 2.) GEOTEXTILE FABRIC
 - A.) INSTALL GEOTEXTILE FABRIC, DRAINAGE CLASS TYPE D-2, IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 985.

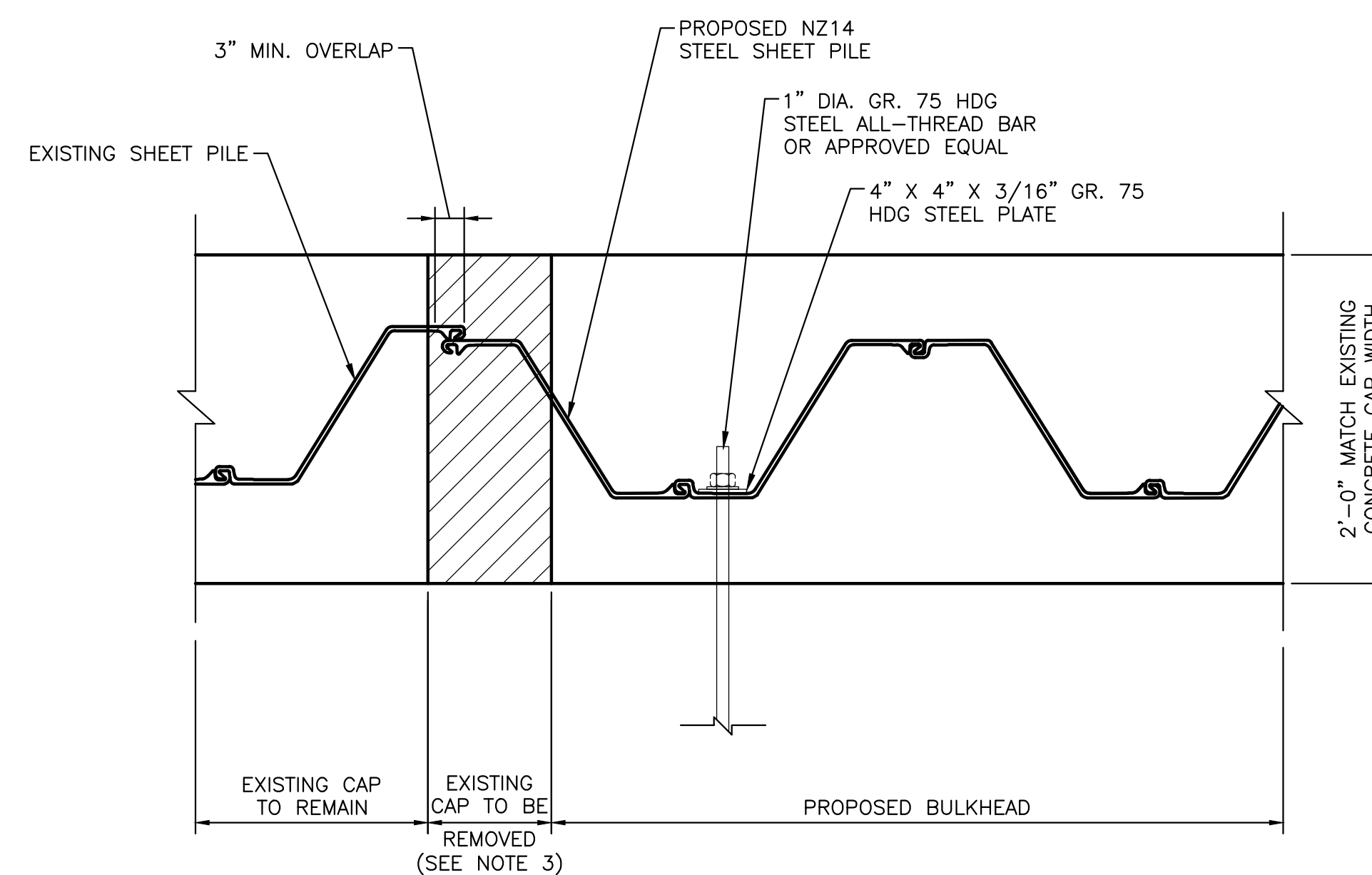


TYPICAL CAP SECTION
SCALE: N.T.S.



CAP TERMINATION PLAN DETAIL - END NEAR BOAT RAMP
SCALE: N.T.S.

REINFORCING NOT SHOWN FOR CLARITY.
SEE TYPICAL CAP SECTION THIS SHEET.



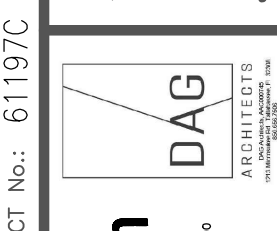
CAP CONNECTION DETAIL
SCALE: N.T.S.

NOTES:

1. FOR BULKHEAD LOCATION, SEE MARINE CONSTRUCTION PLAN SHEET.
2. BULKHEAD IS DESIGNED FOR THE FOLLOWING CONDITIONS:
 - A. GRADE ELEVATION ON RETAINED SIDE = 5.00'
 - B. GRADE ELEVATION AT FRONT FACE OF BULKHEAD = 2.00'
 - C. GRADE ELEVATION 30 FEET FROM FRONT FACE OF BULKHEAD = -7.00'
 - D. MUDLINE HOLDS A CONSTANT SLOPE BETWEEN FRONT FACE OF BULKHEAD AND LOCATION 30 FEET FROM FRONT FACE OF BULKHEAD.
3. CUT AND REMOVE PORTION OF EXISTING CAP TO ALLOW PROPOSED SHEET PILE TO BE DRIVEN BEHIND THE EXISTING SHEET PILE WITH 3" OVERLAP. DOWEL LONGITUDINAL BARS INTO EXISTING CAP AND CAST THIS SECTION OF CAP WITH PROPOSED CAP.
4. FOR ADDITIONAL BULKHEAD NOTES, SEE STRUCTURAL NOTES SHEET.

DESIGNER :	CTS	ISSUE DATE :	MARCH 2022
DRAWN BY :	TLB	COMP. FILE No. :	
REVIEWED BY :	LCH	STATE PROJECT No. :	61197C
CONSULTANT :	WoodPartners Inc	DATE	
PROFESSIONAL REGISTRATION	LEVON C. HOOMES	SYMBOL	(A) (B) (C) (D)
FLORIDA LICENSE NUMBER	83339	REVISION	
SHEET TITLE	ST. ANDREWS STATE PARK	DATE	
PROJECT TITLE	BULKHEAD DETAILS	SYMBOL	
	ST. ANDREWS STATE PARK REDEVELOPMENT	REVISION	
SHEET NO.	C-055	DATE	

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300



Kimley-Horn
 CONSULTANTS
 2000 ANDREWS AVENUE, SUITE 200
 TALLAHASSEE, FLORIDA 32310
 TEL: (904) 833-3399 FAX: (904) 833-3398

COMMENCEMENT NOTIFICATION

*Within ten (10) days of initiating the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number:** SAJ-1999-04167(NW-KAB)

2. **Permittee Information:**

Name: _____

Email: _____

Address: _____

Phone: _____

3. **Construction Start Date:** _____

4. **Contact to Schedule Inspection:**

Name: _____

Email: _____

Phone: _____

Signature of Permittee

Printed Name of Permittee

Date

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

*Within sixty (60) days of completion of the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number:** SAJ-1999-04167(NW-KAB)

2. **Permittee Information:** Name: _____

Email: _____

Address: _____

Phone: _____

3. **Date Authorized Work Started:** _____ **Completed:** _____

4. **Contact to Schedule Inspection:** Name: _____

Email: _____

Phone: _____

5. **Description of Authorized Work (e.g. bank stabilization, fill placed within wetlands, docks, dredging, etc.):** _____

6. **Acreage or Square Feet of Impacts to Waters of the United States:** _____

7. **Describe Mitigation completed (if applicable):** _____

8. **Describe any Deviations from Permit (attach drawing(s) depicting the deviations):**

I certify that all work and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Printed Name of Permittee

Date

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE
U.S. Fish and Wildlife Service
August 12, 2013

The eastern indigo snake protection/education plan (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida for use by applicants and their construction personnel. At least **30 days prior** to any clearing/land alteration activities, the applicant shall notify the appropriate USFWS Field Office via e-mail that the Plan will be implemented as described below (North Florida Field Office: jaxregs@fws.gov; South Florida Field Office: verobeach@fws.gov; Panama City Field Office: panamacity@fws.gov). As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the attached poster and brochure), no further written confirmation or “approval” from the USFWS is needed and the applicant may move forward with the project.

If the applicant decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or “approval” from the USFWS that the plan is adequate must be obtained. At least 30 days prior to any clearing/land alteration activities, the applicant shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

The Plan materials should consist of: 1) a combination of posters and pamphlets (see **Poster Information** section below); and 2) verbal educational instructions to construction personnel by supervisory or management personnel before any clearing/land alteration activities are initiated (see **Pre-Construction Activities** and **During Construction Activities** sections below).

POSTER INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (a final poster for Plan compliance, to be printed on 11” x 17” or larger paper and laminated, is attached):

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands

and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION UNDER FEDERAL AND STATE LAW: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. “Taking” of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. “Take” is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the live eastern indigo snake sufficient time to move away from the site without interference;
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

Telephone numbers of USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office – (904) 731-3336
Panama City Field Office – (850) 769-0552
South Florida Field Office – (772) 562-3909

PRE-CONSTRUCTION ACTIVITIES

1. The applicant or designated agent will post educational posters in the construction office and throughout the construction site, including any access roads. The posters must be clearly visible to all construction staff. A sample poster is attached.
2. Prior to the onset of construction activities, the applicant/designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational brochure including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office (a final brochure for Plan compliance, to be printed double-sided on 8.5" x 11" paper and then properly folded, is attached). Photos of eastern indigo snakes may be accessed on USFWS and/or FWC websites.
3. Construction staff will be informed that in the event that an eastern indigo snake (live or dead) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Field Office. The contact information for the USFWS is provided on the referenced posters and brochures.

DURING CONSTRUCTION ACTIVITIES

1. During initial site clearing activities, an onsite observer may be utilized to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
2. If an eastern indigo snake is discovered during gopher tortoise relocation activities (i.e. burrow excavation), the USFWS shall be contacted within one business day to obtain further guidance which may result in further project consultation.
3. Periodically during construction activities, the applicant's designated agent should visit the project area to observe the condition of the posters and Plan materials, and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.

POST CONSTRUCTION ACTIVITIES

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion. The report can be sent electronically to the appropriate USFWS e-mail address listed on page one of this Plan.

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

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The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or in Vero Beach (1-772-562-3909) for south Florida, and emailed to FWC at ImperiledSpecies@myFWC.com.
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at http://www.myfwc.com/WILDLIFEHABITATS/manatee_sign_vendors.htm. Questions concerning these signs can be forwarded to the email address listed above.