DEPARTMENT OF THE ARMY



JACKSONVILLE DISTRICT CORPS OF ENGINEERS 10117 PRINCESS PALM AVE, SUITE 120 TAMPA, FLORIDA 33610-8302

January 23, 2017

REPLY TO ATTENTION OF

Regulatory Division
West Branch
Tampa Permits Section
SAJ-2014-03511 (NWP-LEO)

Manatee County Board of County Commissioners c/o Charlie Hunsicker 5502 33rd Ave Dr W Bradenton, FL 34209 via email: charlie.hunsicker@mymanatee.org

Dear Applicant:

Your application for a Department of the Army permit received on October 5, 2017, has been assigned number SAJ-2014-03511. A review of the information and drawings provided shows the proposed work includes backfilling 9,482 linear feet of ditches, re-grading 2.67 acres of wetlands, and installing one ditch block in an old agricultural ditch in order to re-establish natural hydroperiods to wetlands in the project area. Project is located at Duette Preserve Park in Section 10, Township 34 South, Range 21 East, Manatee County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) 27: Aquatic Habitat Restoration, Establishment, and Enhancement Activities. This authorization is valid until March 18, 2022. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit 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 nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Internet page to access Internet links to view the Final Nationwide Permits, Federal Register Vol. 82, dated January 6, 2017, specifically pages 1983 to 2008, and the table of Regional Conditions. The Internet page address is:

http://www.saj.usace.army.mil/Missions/Regulatory.aspx

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and, then click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 27. Enclosed is a list of General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following project-specific conditions are included with this authorization:

1. Reporting Address: The Permittee shall submit all reports, documentation, and correspondence required by conditions of this permit to the following address: <u>SAJ-RD-</u>

- <u>Enforcement@usace.army.mil</u>. The Permittee shall reference this permit number, SAJ-2014-03511, on all submittals.
- 2. Commencement Notification: Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall provide a written notification of the date of commencement of authorized work to the Corps.
- 3. Self-Certification: Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the enclosed "Self-Certification Statement of Compliance" form 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. 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 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.
- 5. Regulatory Agency Changes: Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the Permittee is advised that a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the Tampa Permits Section.
- 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. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. 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. Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.
- 9. Cultural Resources/Historic Properties: 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. 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 American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

This authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this Regional General permit must qualify for an exemption under section 403.813(1), F.S. or 373.406, F.S., or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, F.S., by the Department of Environmental Protection, a water management district under section 373.069, F.S., or a local government with delegated authority under section 373.441, F.S., and receive Water Quality Certification (WQC) and applicable Coastal Zone Consistency Concurrence (CZCC) or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, F.S., and, as applicable, Chapter 258, F.S. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact Leanne Obra by telephone at 813-769-7071.

Thank you for your cooperation with our regulatory program. The USACE 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 visit http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey and complete our automated Customer Service Survey. Your input is appreciated – favorable or otherwise.

Sincerely,

Leanne Obra Project Manager

Enclosures:

- 1. General Conditions of 33CFR Part 320-330 (1 page)
- 2. Self-Certification Statement of Compliance (1 page)
- 3. Permit Transfer Request (1 page)
- 5. Standard Protection Measures for the Eastern Indigo Snake 2013 (3 pages)
- 4. Project Drawings (14 pages)

Copies Furnished:

- 1. Alissa Powers, Env Program Manager, Parks and Natural Resource Department, alissa.powers@mymantee.org
- 2. CESAJ-RD-PE, USACE Enforcement Section

GENERAL CONDITIONS 33 CFR PART 320-330

- 1. The time limit for completing the work authorized ends on the **March 18, 2022**.
- 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 in the space provided and forward a copy of the permit 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.

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Application/Permit Number: SAJ -2014-03511

Permittee's Name & Address (ple	ease print or type):
Telephone Number:	
Location of the Work:	
Date Work Started:	Date Work Completed:
PROPERTY IS INACCESSIBLE	WITHOUT PRIOR NOTIFICATION: YESNO
TO SCHEDULE AN INSPECTION AT	N PLEASE CONTACT
Description of the Work (e.g. bank etc.):	s stabilization, residential or commercial filling, docks, dredging,
Describe Mitigation completed (if a	ts to Waters of the United States:applicable):
	mit (attach drawing(s) depicting the deviations):

allaonea arawing(s).	Signature of Permittee
	Date

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2014-03511

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.

(TRANSFEREE-SIGNATURE)	(SUBDIVISION)	
(DATE)	(LOT)	(BLOCK)
(NAME-PRINTED)	(STREET ADDRESS)	
(MAILING ADDRESS)		
(CITY, STATE, ZIP CODE)		

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: jaxregs@fws.gov; South Florida Field Office: jaxregs@fws.gov; South Florida Field Office: jaxregs@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 email, 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.

signed and sealed by Robert B. Conerly, P.E. using a Digital Signature. Printed copies of this document are not considered singed and sealed and the signature must be

This item has been electronically

MANATEE COUNTY LAKE MANATEE WATER SUPPLY AND WATER **QUALITY IMPROVEMENT - PHASE 2**

(MANATEE COUNTY WORK ASSIGNMENT # W1700032) **JUNE 2017**

PROJECT CONTACTS

OWNER/APPLICANT;
MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS
MANATEE COUNTY PARKS AND NATURAL RESOURCES DEPARTMENT
PO BOX 100 BRADENTON, FLORIDA 34205 CONTACT: CHARLIE HUNSICKER PHONE: (941) 742-5923

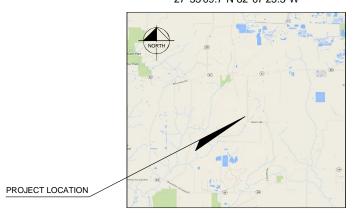
ENGINEER: KIMLEY-HORN AND ASSOCIATES, INC. 116 SOUTH KETUCKY AVE LAKELAND, FLORIDA 33801 PHONE: 863-701-8702 CONTACT: ROBERT "BO" CONERLY, P.E.

ENVIRONMENTAL SCIENTIST:
MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS
1112 MANATEE AVENUE WEST, SUITE 203
BRADENTON, FL 34205
PHONE: (941)—742—9880
CONTACT: AUSSA POWERS P. W.S.

LIDAR SOURCE: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PHONE: 352-796-7211

FLORIDA POWER AND LIGHT: PHONE: 941-776-5200

SECTION 4, 5, 6, TOWNSHIP 34 SOUTH, RANGE 22 EAST 27°33'09.7"N 82°07'25.3"W



VICINITY MAP

NTS

PREPARED BY

C401-C409

Sheet Number

THE PURPOSE OF THIS PROJECT IS ECOLOGICAL RESTORATION. THE CONTRACTORS WORKING ON THIS SITE SHALL TAKE GREAT CARE IN AVOIDING UNNECESSARY IMPACTS TO WETLAND, VEGETATION, AND ANIMALS.

Sheet List Table

Sheet Title GENERAL NOTES

OVERALL SITE AFRIA

GRADING AND DRAINAGE PLAN

- 2. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK, ALL CONTRACTORS ARE DIRECTED PRIOR TO BEILDING TO CONDUCT INVESTIGATIONS THEY DESM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS RECARDING THE ACTUAL CONDITIONS THAT MAY BE ENCOUNTERED AND UPON MENCH THEN RIDGS WILL BE BASED.
- THE CONTRACTOR SHALL OBTAIN AND/OR VERIFY EXISTENCE OF ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS NOT FURNISHED BY THE OWNER.
- 4. PRIOR TO THE START OF CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SINSHINE STATE ONE CALL (1-800-432-470)", MANATE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERTON AND ANY OTHER UTLITLES (ELECTRIC, PHONE, CAS, CABLE, ETC.) IT IS THE CONTRACTORS RESPONSIBILITY TO TO PROTECT EXISTING UTILITIES FROM DAMAGE.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH NRCS STANDARDS AND SPECIFICATIONS.
- IF HUMAN REMAINS OR ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR MUST STOP WORK IMMEDIATELY AND PROMPTLY NOTIFY THE PROJECT MANAGER.
- 7. THE CONTRACTOR SHALL NOT ENTER UPON, OR ALTER THE WETLAND PRESERVE AREAS THAT MAY BE ORISITE OR DIRECTLY ADJACENT TO THE PROJECT AREA EXCEPT AS NOTED IN THESE DRAWNOS ALL WORK PERFORMED IN THE WOINTY OF OPEN WATER AND/OW MELANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR NAY THE RESULTION FROM WOLATION OF PERMIT CONDITIONS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO CALCULATE AND VERIFY ALL CUT AND FILL QUANTITIES
 OF EARTHWORK FOR THE PROJECT. A BULLING FACTOR SHOULD BE TAKEN INTO ACCOUNT WHEN
 FIGURING VOLUMES OF FILE PLACEMENT.
- IMMEDIATELY BEFORE REQUESTING FINAL INSPECTIONS, THE CONTRACTOR SHALL CHECK ALL LINES
 AND DRESS TO THE PROPER GRADES/CONTRUBS. ALL AREAS ARE TO BE STABILIZED AND
 MAINTAINED UNITL SPECIFIED. THE CONTRACTOR SHALL MAKE ALLOWANCES WHEN ROUGH GRADING
 FOR THE PRINSHED GRADES IN THESE AREAS.
- POST GRADING SOIL CONDITIONS SHALL BE APPROPRIATE FOR PLANTING WITH LIMITED COMPACTION AS DETERMINED BY THE PROJECT ECOLOGIST.
- ANY DISTURBED AREA WILL BE SEEDED/MULCHED, HYDROSEEDED, OR SODDED OR PLANTED WITH MATERIALS AS SPECIFIED IN THE PLANS.
- ALL PLANT MATERIAL TO BE INSTALLED SHALL BE HEALTHY, IN GOOD CONDITION, FREE FROM DISEASE AND APPROVED BY A QUALIFIED ECOLOGIST PRIOR TO INSTALLATION.
- 13. DURING CONSTRUCTION OF SPOIL REMOVAL SITES, WORK WILL BE DONE FORM UPLANDS TO THE EXTENT POSSIBLE. IN AREAS WHERE EQUIPMENT IS USED TO PERFORM SPOIL REMOVAL IS REQUIRED TO CROSS WETLANDS/MATERS OF THE UNITED STATES THE PROJECT ECOLOGIST WILL MONTRE THE MATERIAL WILL BE PLACED IN WETLANDS AND ANY ALTERATIONS TO GRADE FROM SPOIL REMOVAL WILL BE PLACED IN WETLANDS AND ANY ALTERATIONS TO GRADE FROM SPOIL REMOVAL WILL BE PLACED IN WETLANDS AND ANY ALTERATIONS TO GRADE FROM SPOIL REMOVAL
- 14. NO DEWATERING IS PROPOSED. IF DEWATERING IS TO OCCUR, PRIOR APPROVAL FROM SWFWMD WILL BE OBTAINED BY CONTRACTOR.

Kimley»Horn AVENUE L B63-701-ILEY-HORN

> ROBERT B. CONERLY, P.E. DENSE N 59291 P.ORIDA

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MANATEE COUNTY LAKE
MANATEE WATER SUPPLY AND
WATER QUALITY IMPROVEMENT
- PHASE 2 MANATEE BOARD OF

SHEET NUMBER C100



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GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE NATURAL THE CONTRACTOR AND SUBCOUNTAIL OF AS STALL DO HIM A COPY OF THE PIE AND A RESOURCES CONSERVATION SERVICE CONSTRUCTION SPECIFICATIONS AND CONSERVATION PRACTICE STANDARD (LATEST EDITION) AND MANATEE COUNTY STANDARDS AND SPECIFICATIONS AND BECOME FAMILIAR WITH THE CONTENTS PROCEDURE OF COMMERCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONTENTS OF THE CONTE AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL, AND LABOR TO CONSTRUCT THE FACULTY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION SPECIFICATION SHOULD BE CONSTRUCTION SPECIFICATIONS AND REGULERATION. SOUTHACTOR SHALL LEAF AND GRIEFAL HARDS AND REGULERATION SOUTH SCATES SHALL LEAF AND GRIEFAL HARDS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, AND ALL OTHER ROLE DELETERIOUS METERS.
- EXISTING LITH ITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE EASTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE
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- IT IS THE CONTRACTOR'S DESPONSIBILITY TO CONTACT THE VARIOUS LITH ITY LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIF
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE TION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK, NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
- 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.
- 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. ALL SURVEY COSTS WILL BE THE
- 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 IN TERVALS AND SHALL BE OR AT THE COMPLETION OF APPROPHICAL ECONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROMIDING AS BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED, ALLAS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- 11 THE CONTRACTOR SHALL NOTICY THE OWNER AND ENGINEER OF ANY WELLS DISCOVERED ON SITE. WELLS THAT HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR UPON NOTIFICATION BY THE OWNER/RINSINEER, IN A MANNER APPROVED BY ALL JURISDICTIONAL SERCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED
- 12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFINED THAT THE PROPOSED IMPROVEMENTS BOWN ON THE PLANS DO NOT CONTUCT WITH ANY MOON EXISTING OR OTHER PROPOSED IMPROVEMENTS. F ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTITULATION OF THE PROPOSED IMPROVEMENT OF THE OWNER PROPERTY OR SHALL ALTON THE OWNER PROPERTY OR SHALL ALTON PROPERTY OF THE OWNER OF ANY OBLIGATION TO PROVE FOR A RELATED CHANGE ORDER.

DEMOLITION NOTES

ANTICIPATED ON THIS PROJECT, CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR

SUMBHINE STATE ONE CALL OF FLORIDA, INC.

- ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
- REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. SOME ITEMS TO BE REMOVED STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WIST THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED THAT MAY BE NALT NEED NOT DECENTALL SHOWN TO BE PRESERVED ARROAD RECONSTRUCTION THAN IN MARKET BY PROJECT ACTIVITIES MUST BE IDENTIFIED AND COORDINATED WITH TIME OWNER AND ENGINEET. HE CONTRACTS SHALL DEFINE ANY NECESSARY TREE REMOVAL PERMITS FOR TREES THAT ARE TO BE REMOVED AS A PART OF THIS CONTRACT. TREE PROJECTION FENCING REQUIRED TO PREVENT IMPACTS TO PRESERVED TREES FROM CONSTRUCTION ACTIVITIES SHALL BE NIVALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

GRADING AND DRAINAGE NOTES

- ALL CONSTRUCTION, MATERIALS, AND WORKMANSHP SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR NRCS SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COUNTERED BY LOCAL OR COUNTY REGULATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REDUIREMENTS ARE NOT IN AGREEWENT. THE MOST STRINGENT SHALL GOVERN.
- 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 STABLIZATION OCCURS.
- ALL DISTURBED AREAS WITHIN THE PROJECT SITE SHALL BE SEEDED/SODDED UNLESS INDICATED OTHERWISE ON THE PLAN.
- 4. ALL AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SECTIONS AS
- ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. TOPSOIL AND ORGANIC MATTER MAY BE PLACED WITHIN DITCHES TO BE FILLED AS DIRECTED BY THE OWNER
- 8. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO NRCS STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT AGREEMENT. THE MOST STRINGENT SHALL GOVERN.
- 9. ALL SLOPES AND AREAS INSTRUBERS BY CONSTRUCTION SMALL BE DEADED AS PER-FABRLED READS SMALL BINE SOORDED ON SECRED AS SPECIFICATION FOR PARTIES AND AREA SMALL BINE SOORDED AS SPECIFICATION FOR THE PARTIES AND OWNERS OF THE SMALL PREASON FOR THE SMALL PAREA SMALL SCORE \$42, BAY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE SM SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE SOME SHALL BE CORRECTED BY THE
- ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN
- 11. 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 CONTRACT SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMEN
- 12. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT HIMPED TO THE INSTALLATION OF TURBIDITY SURPEINED SHOULD HIM OF THE PLOSSBURY OF TURBIDITY SURPEINED SHOULD HIND THE LOCATIONS WHERE THE PLOSSBURY OF TRANSPORT SURPEINED SHOULD HIND THE PLOSSBURY OF THE SHOULD HIND THE S
- 13. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES
- 14 THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL THE CATH TWO LIVE MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, AND EXHIBITS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE EXEMPTION APPROVAL MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.

- 1 THE STORM WATER POLITITION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE BEST MANAGEMENT PRACTICES (BMP) PLAN AND DETAILS INCLUDED IN THESE CONSTRUCTION PLANS.

- BMPS AND CONTROLS SHALL CONFORM TO FEDERAL STATE, OR LOCAL REQUIREMENTS OR ANNUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL MPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE JURISDICTIONAL AGENCY OR OWNER.
- 5. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR
- CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- 10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAWING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINIAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 12. 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.
- 13 STABILIZATION DRACTICES SHOULD BE INITIATED AS SOON AS DRACTICAL BUT IN NO
- 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.
- 15. IF THE ACTION OF VEHICLES TRAVELING OVER GRAVEL CONSTRUCTION ENTRANCES IF ANY, IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES BETTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CADIBLED, DESTRUCTIVE OTTE. BEFORE IT IS CARRIED OFF THE SITE
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- THE CONTRACTOR STALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE EXISTING/PROPOSED DRAINAGE FEATURES AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEVER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION PEST MANAGEMENT PROCEDED AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PROCEDED ON THE PROCEDIO CONTROL PLAN DATO PERMITTED IN ACCORDANCE WITH GENERAL PERMIT 18 ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONT MEASURES (SILT FEROES, ETC.) TO PREVENT EROSION.

MAINTENANCE

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, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- 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
- 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
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM
- 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

- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE BMP PLAN AND BECOME FAMILIAR WITH ITS
- THE CONTRACTOR SHALL IMPLEMENT THE BMP'S AS SHOWN. ADDITIONAL BMP'S SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- AS REQUIRED BY THE GENERAL PERMIT
- EMPLOYEE PARKING AREA, AND AREA FOR LOCATING OTHER NECESSARY FACILITIES.
- 8 SUFFICIENT OIL AND GREASE ARSORRING MATERIALS AND FLOTATION ROOMS SHALL RE
- 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.

- 17. THE CONTRACTOR SHALL BE DESPONSIBLE FOR REMOVING SEDIMENT IN THE

ALL MEASURES IDENTIFIED IN THE BMP PLAN, AND IN THE STORM WATER POLITION

- ALL 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
- 3 SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED

NATURAL RESOURCES CONSERVATION SERVICE CONSTRUCTION SPECIFICATIONS

STRUCTURE FOR WATER CONTROL

Gode 587

SITE PREPARATION

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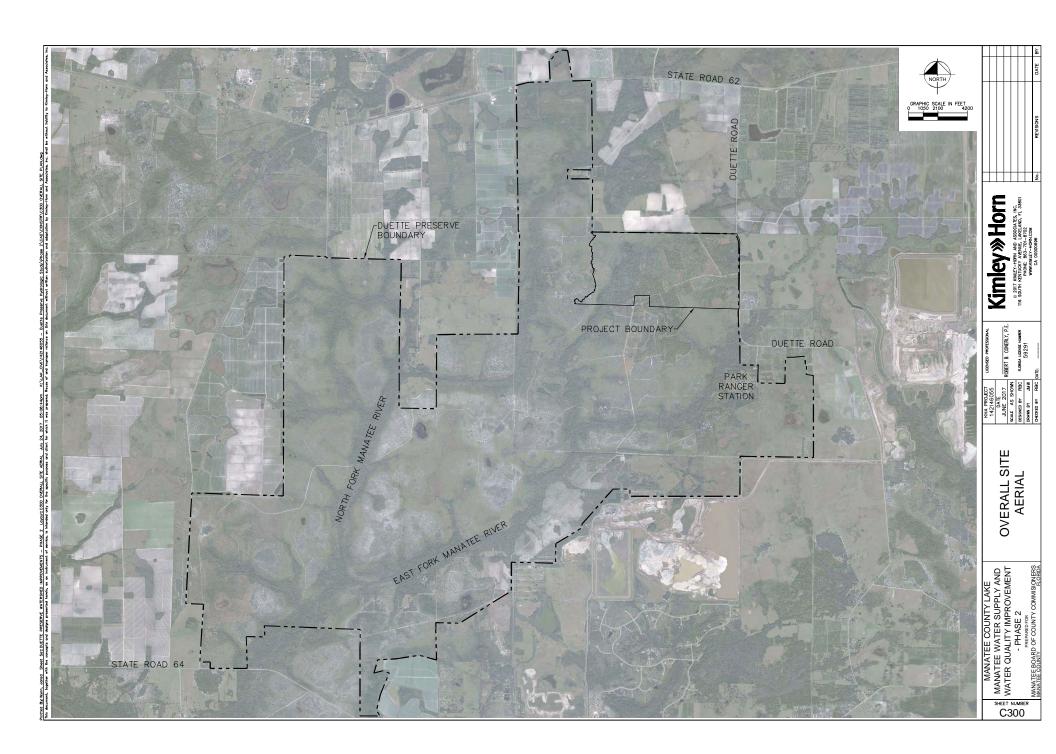
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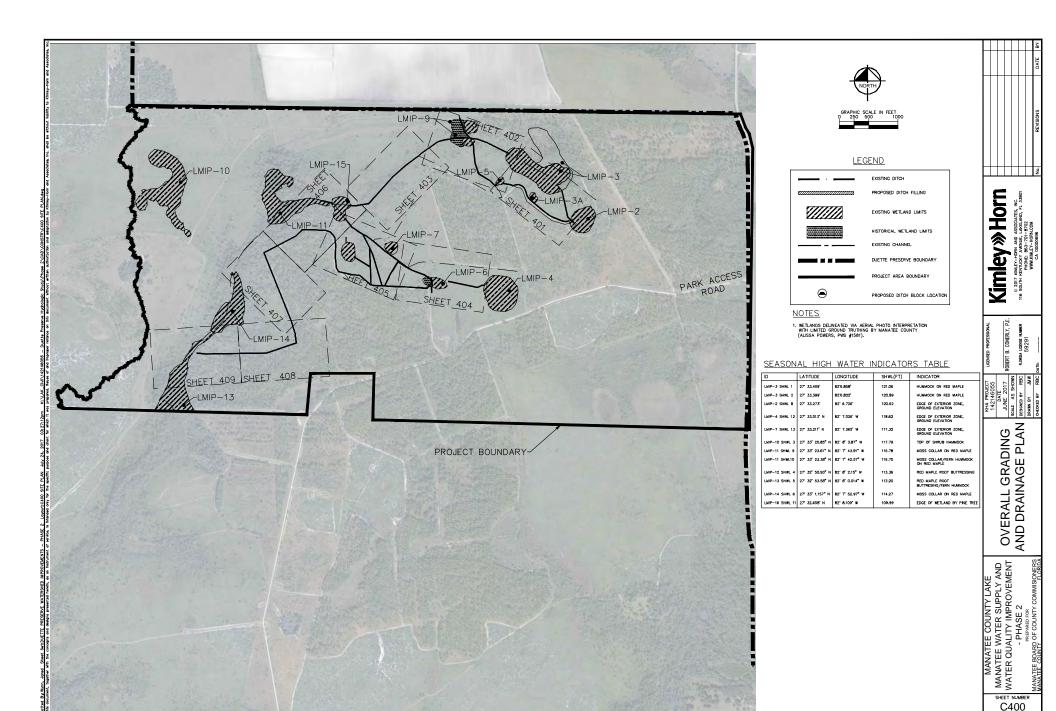
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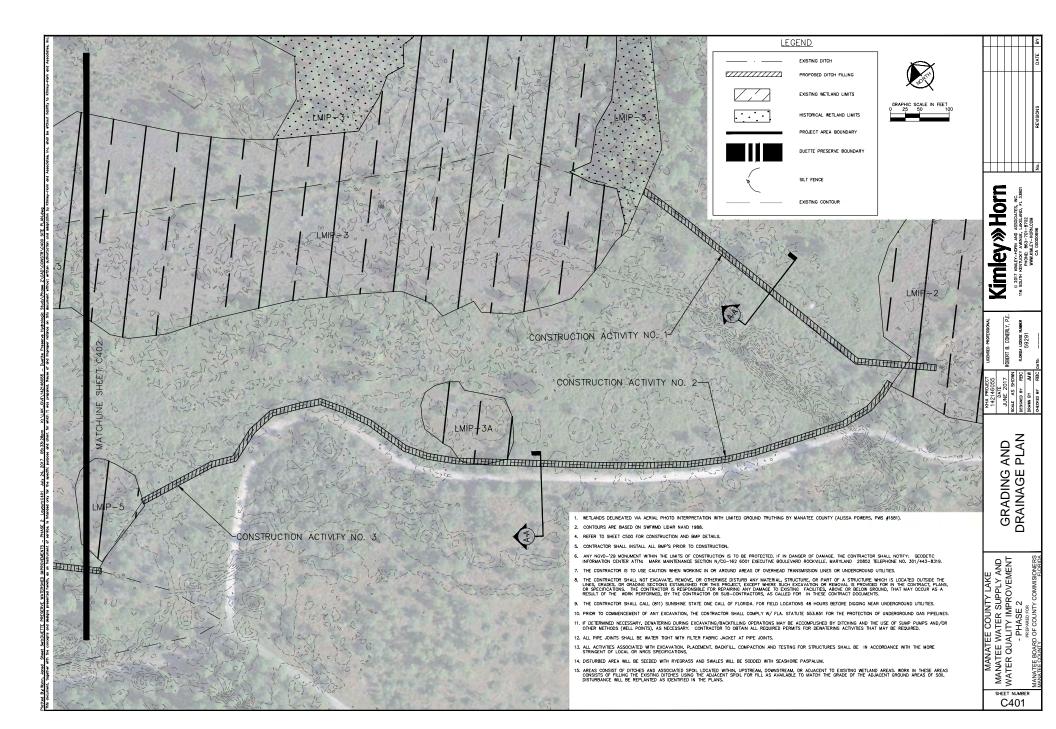
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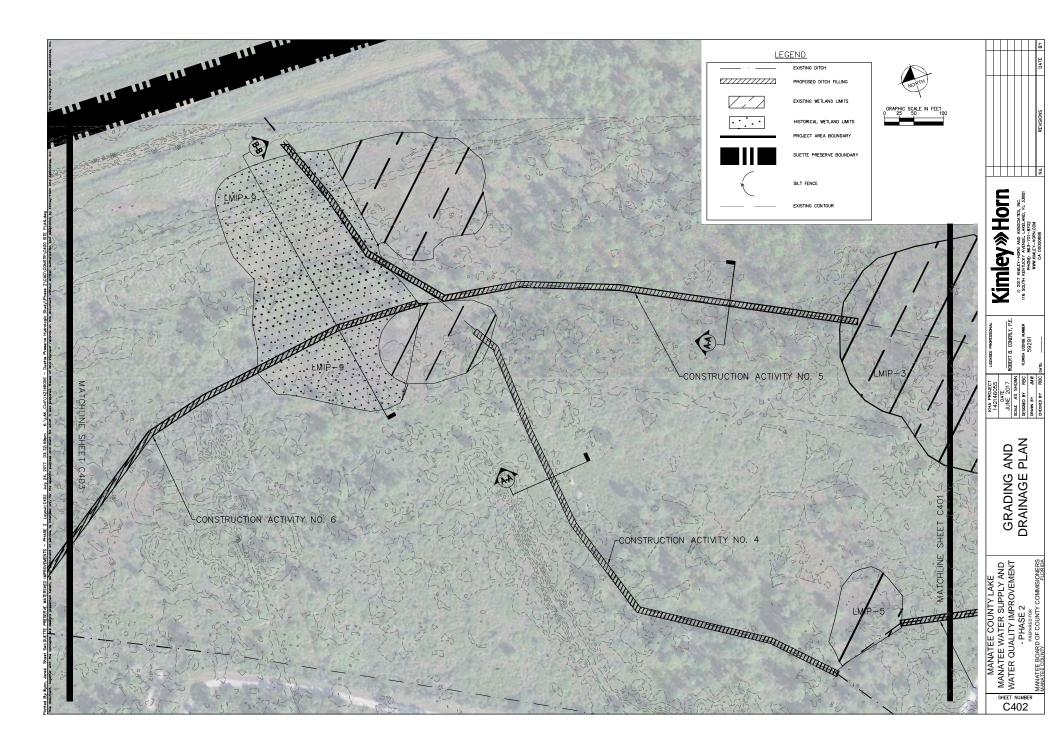
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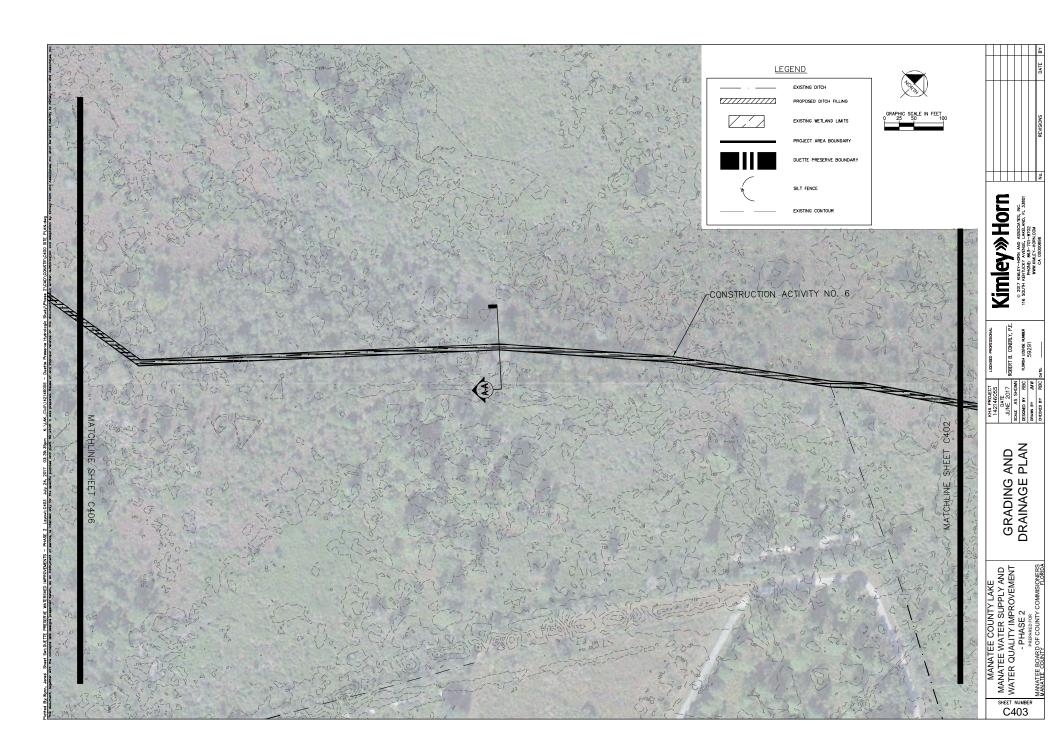
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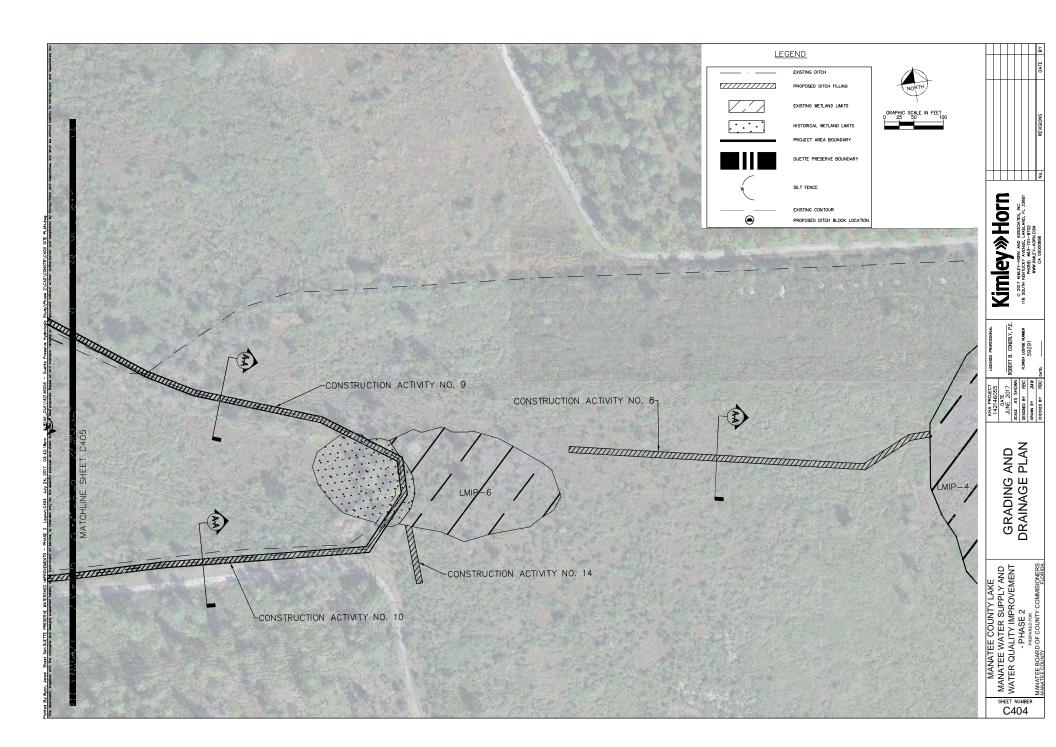


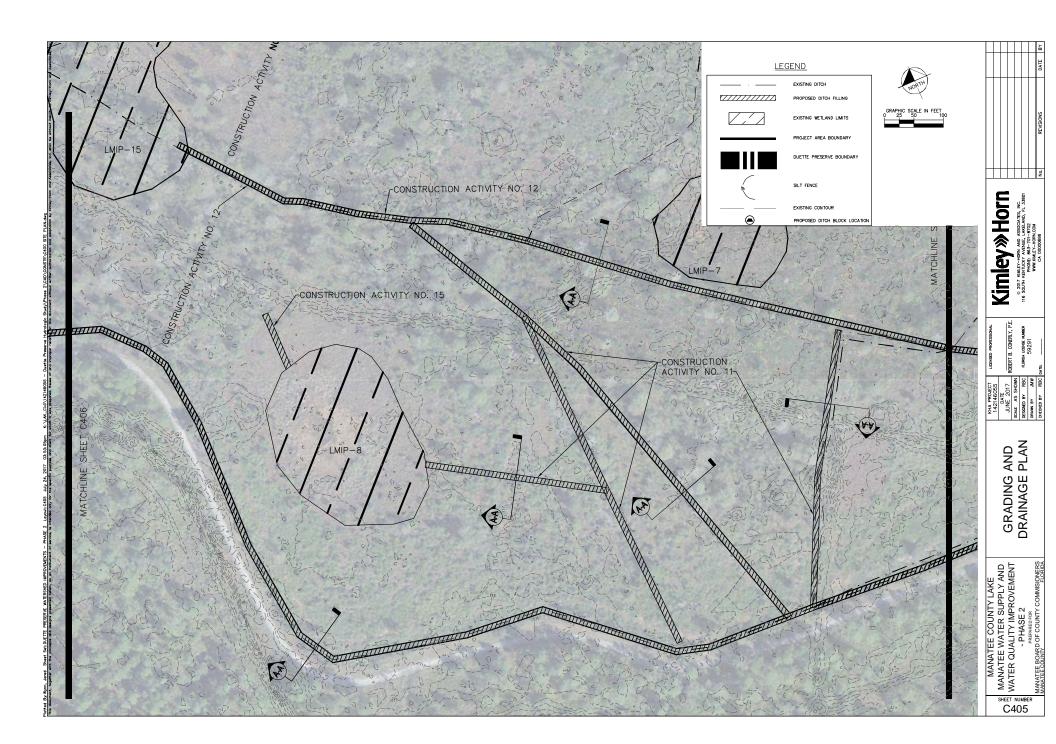


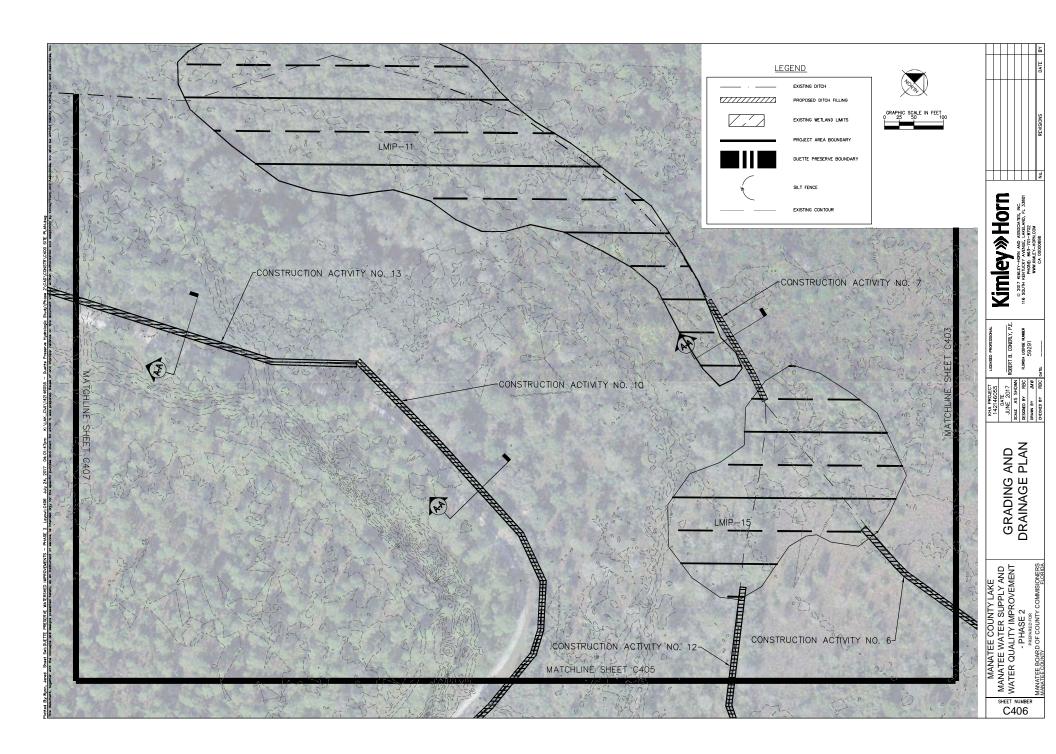


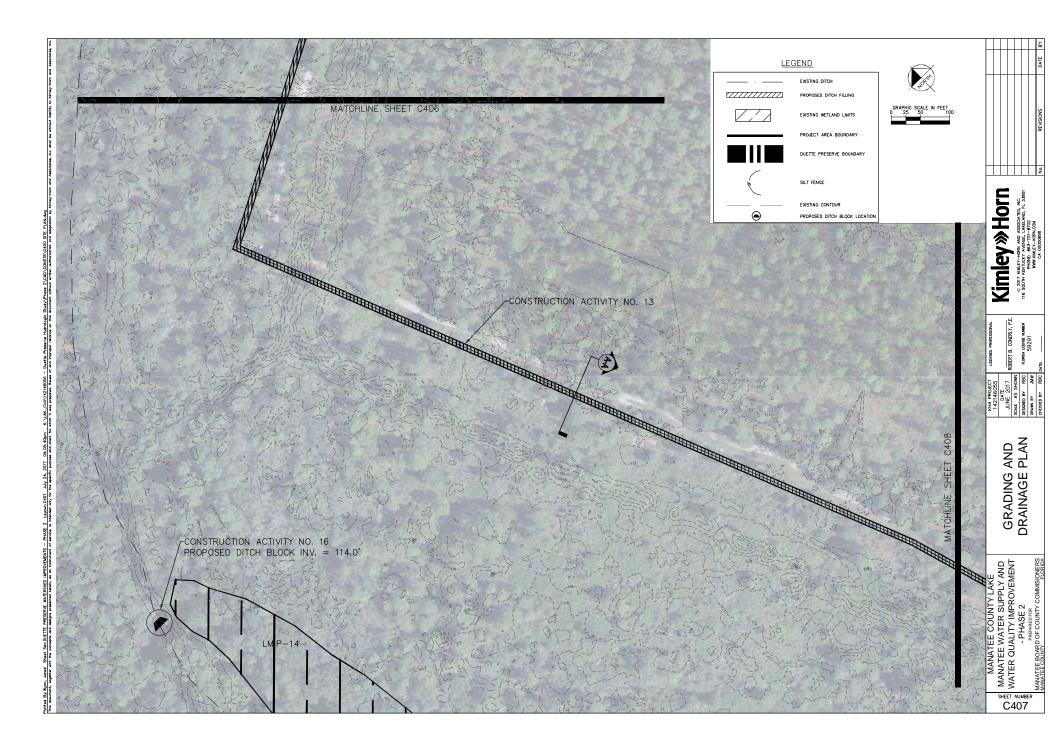


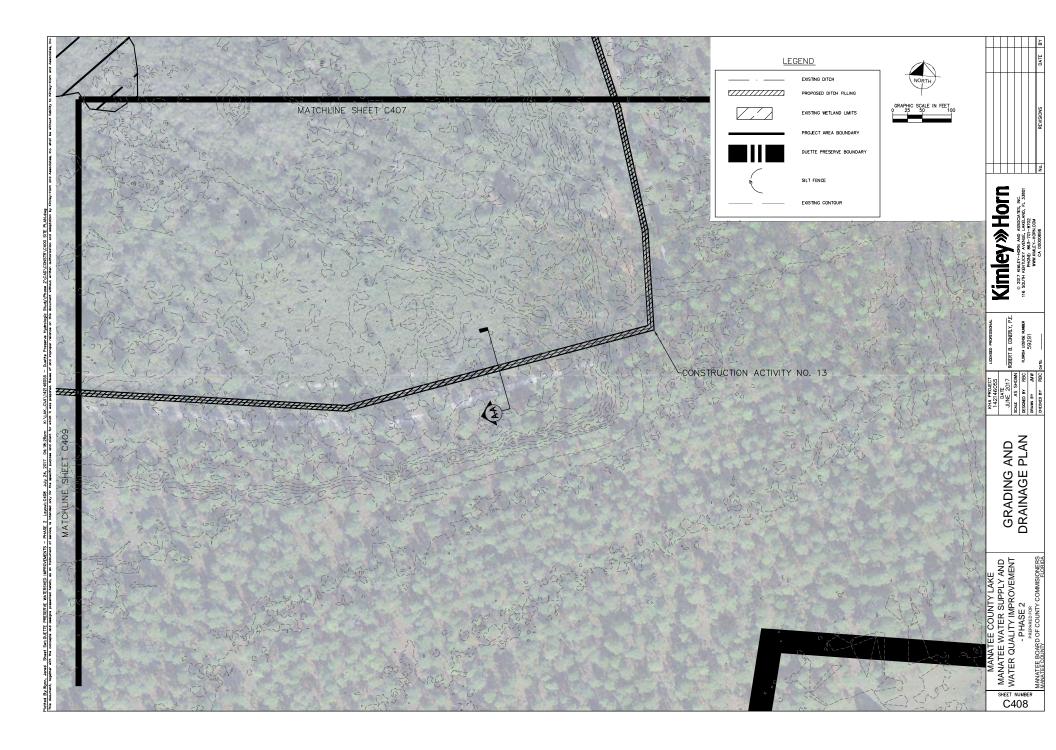














EROSION AND SILTATION CONTROL:

- ODERALI ALL EROSON AND SILTATION CONTROL METHODS SHALL BE IMPLEMENTED PRIOR TO THE STRAT OF CONSTRUCTION, LURING CONSTRUCTION, CLANES AREAS SHALL BE CONSERED BY MALONES SIGH AS STRANG PROPERTY OF THE PROPER
- CHARLATON AND SEDIENT TRAMPING MEASURES: PRIMETE REMIS, SEDIENT BARRIER, VEGETATIVE BUTTERS, AND CHEM MEASURES INTOLOGY TO MAN SEDIENT AND CHEM MEASURES INTOLOGY TO MAN SEDIENT AND CHEM MEASURES OF MAN SEDIENT AND CHEM THE MANSORS OF MAN SEDIENT AND CHEM THE MAN SEDIENT
- ALL EROSION AND SILTATION CONTROL DEVICES: SHALL BE REGULARLY INSPECTED AND MAINTAINED, (ESPECIALLY AFTER EACH RAINFAIL) AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO RAIN SHALL BE INSPECTED FOR EMDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE STORMWATER SYSTEM.
- APPLICATION RATES AND METHODS FOR USE OF FERRILEESS AND PESTICIDES AT THE CONSTRUCTION STE SHALL CONTORN WITH ALL LOCAL AND STATE ORGANIACES, NUTHENTS SHALLE HE APPLIED ONLY AT FARES NECESSARY TO ESTABLEH AND MAINTAIN VECETATION SUCH THAT DISCHARESS WILL NOT CAUSE OR CONTIBULET TO WOLATIONS OF STATE SURFACE OR CRICUMON MET QUALITY STANDARD.
- 7. OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED BY CONTRACTOR.

SECTION 1 GENERAL EROSION CONTROL:

- CENERAL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED TO MINIMAZE SOIL EROSION AND POTENTIAL PROM SIGNE FAMILYES. MHILE THE VARIOUS ECONOMICS REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.
- CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY USED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY AND/OR OVERSEEDED AND SUFFICIENTLY WATERED TO STABILIZE THE TEMPORARY OROUNDCOVER.

SECTION 2 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION:

- SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BEST MANAGEMENT PRACTICES
 N THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

CLOSED CELL SOLD PLASTIC FORM FLORIZATION (N° DIA, COLON.) (12 LIES. PER PT. BLOTHMOT) —

-6/9" POLYTRO SOM (800 b. SECRESC SMICHETT)

COMED CELL SOUS PLASTIC FORM PLASTADES OF DR. (DISN.) 17 UIS. PER IT. SUCKNOT)

FLOATING TURBIDITY BARRIERS

TYPE II

- DROWN CONTROL MEASURES SHALL BE DATIVED TO MANUEZ THRROITY OF SUPFACE WITHIN LOCATED PROMISE THROUGH THE STATE OF TH
- HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LIBERCANTS FROM INTERNIG STIT DRAINING FRATILES INCLUDING STORMWATER COLLECTION AND RELEATIONS SYSTEMS. CONTRACTORS SHALL PROVING BEACHD DRESS, HAY DRAINES OF SLIT STREETS AROUND, AND SEDIMENTISMENS WITHIN SUCH AREAS TO CONTRAN SHILLS OF OIL, GREASE OR LIBERCANTS, CONTRACTORS SHALL MAIR, ANAMAREA, AND SHALL USE ASSISTED THE PROST TO CLEAN UP SPILLS AS SO, THE PROST TO CLEAN OF THE PROST TO CLEAN UP SPILLS AS SO, THE PROST TO CLEAN UP SPILLS AS SO, THE PROST TO CLEAN OF THE PROST TO CLEAN UP SPILLS AS SO, THE PROST TO CLEAN UP SPILLS AS SOURCES.
- SILT BARRIERS: ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE RADRIERS.

DEMOLITION NOTES (IF NECESSARY):

- CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
- EXTENT OF SITE CLEARING IS SHOWN ON DRAWINGS
- PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN "EXISTING TO REMAIN." $\,$
- RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
- REMOVE WASTE MATERIALS AND LINSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF SITE IN A LEGAL MANNER.
- LOCATE EXISTING ABOVE-GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION OPERATION.
- SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTLITIES BE ENCOUNTERED DURING DEMOLITON, CONSULT PROJECT ENGINEER AND UTILITY OWNER FOR IMMEDIATE ACTION.
- DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTES "TO BE REMOVED."
- 10. CONTRACTOR SHALL RESTORED AREAS TO DISTING CONDITIONS OR RETEX. FURTHERMORE, CONTRACTOR SHALL PROVIDE TO THE DISTINGUES OF RESTORED AREAS TO DISTINGUES ON THE DISTINGUES ON THE DISTINGUES ON THE POST-CONSTRUCTION CONDITIONS AND POST-CONSTRUCTION CONDITIONS AS WHITE DISTINGUES ON FLANS.

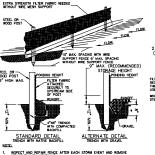
DEWATERING NOTES (IF NECESSARY):

- DURING EXCAVATION THE CONTRACTOR SHALL NOT PENETRATE THE EUSTING CLAY LAYER IF PRESENT. IF THE CONTRACTOR ENDOUNTERS THE CLAY LAYER HE/SHE IS TO PLACE A MINIUM OF 2 FEET OF SANDY MATERIAL OVER THE CLAY AND TERMINATE THE DEPTH OF THE EXCAVATION.

BEST MANAGEMENT PRACTICES:

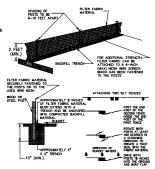
THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF LOCAL, STATE, AND FEDERAL REGULATIONS. THE PLAN ADDRESSES THE FOLLOWING AREAS:

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFED UNDER EACH SECTION INDICATE THE APPROPRIATE STUATION MEN THE TECHNIQUES SHOULD BE DANGOTED. IT SUBJECTED THE STUATURE STUATURE SHOULD BE DANGOTED. HE CONTRACTOR SHALL PROVIDE POLILUTION PRESENTION AND RESISTENCE OF THE CONTRACTOR SHALL PROVIDE POLILUTION PRESENTION AND RESISTENCE OF THE CONTRACT SHALL PROVIDE POLICITION PRESENTED AND RECESSARY FOR EACH SPECIFICA PROPLICATION.



 INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDMENT WHEN NECESSARY. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERNAMENTLY STABILIZED.

 SLT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXINIZE PONDING EFFICIENCY. SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

Kimley» AVENUE. 863-701-ILEY-HORI ROBERT B. CONERLY, P.E. DENSE 59291

Horn ASSOCIATES, INC. LAKELAND, FL 33801 1-8702 RN.COM

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SECTIONS **TYPICAL**

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- PHASE 2

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