

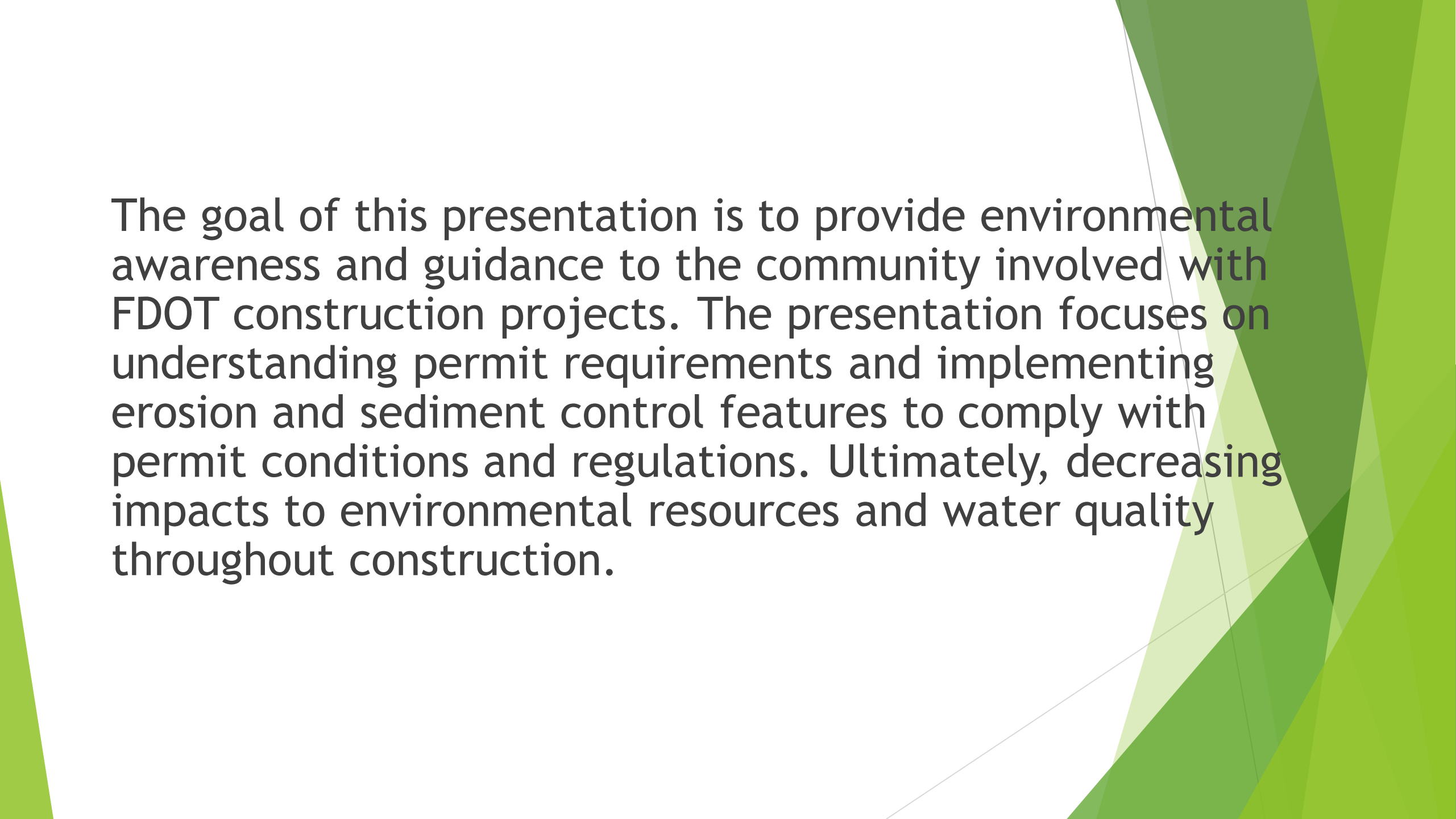
Construction Academy: Environmental Compliance

Margaret Rushmore

District Construction Environmental Coordination - FDOT D4

Maggie Rushmore - District Construction Environmental Coordinator (District 4)




The slide features a white background with abstract, overlapping green geometric shapes on the right side, including triangles and polygons in various shades of green. The text is positioned on the left side of the slide.

The goal of this presentation is to provide environmental awareness and guidance to the community involved with FDOT construction projects. The presentation focuses on understanding permit requirements and implementing erosion and sediment control features to comply with permit conditions and regulations. Ultimately, decreasing impacts to environmental resources and water quality throughout construction.

FDOT Specs, CPAM, MSPs, TSPs

- ▶ Section 104 - FDOT Standard Specifications for Road & Bridge Construction
- ▶ Special Provisions - Section 7-1.4 Compliance with Federal Endangered Species
- ▶ CPAM Chapter 8.2 - Environmental Compliance
- ▶ Ensure compliance of any relevant MSPs, TSPs



**SECTION 104
PREVENTION, CONTROL, AND ABATEMENT OF
EROSION AND WATER POLLUTION**

104-1 Description.
Provide erosion control measures where work is accomplished in conjunction with the project, to prevent erosion, pollution of water, detrimental effects to public or private property adjacent to the project right-of-way and damage to work on the project.

104-2 General.
Coordinate the installation of temporary erosion control devices with the construction of the permanent erosion control devices to ensure economical, effective, and continuous control of erosion and water pollution throughout the life of the Contract.

104-3 Control of Contractor's Operations Which May Result in Water Pollution.
Prevent contaminants, pollutants or hazardous substances, as defined in Section 376.301, Florida Statutes, from migrating from the construction site or from materials and equipment into any surface waters, wetlands, groundwater or property beyond the project limits. Conduct and schedule operations to avoid and minimize pollution or siltation from the project to surface waters, wetlands, groundwater, or property beyond the project limits.
Do not drive in, operate, or place construction equipment or materials in surface waters, wetlands, groundwater, or property beyond the project limits without permitted authority for permanent or temporary impacts. Water crossings or other wetlands impacts must be authorized by permit. Obstructing or impeding the water flow or movement of the water or wildlife must be authorized by permit.
Where pumps are used to remove highly turbid waters from enclosed construction areas such as cofferdams or forms, treat the water by one or more of the following methods prior to discharge from the project: pumping into grassed swales or appropriate upland vegetated areas or constructed sediment basins, or confined by an appropriate enclosure such as turbidity barriers when other methods are not practical. Do not discharge, water that does not meet State water quality standards or does not meet the criteria specified in any applicable permit.
Remove sediment accumulated during construction from all existing or newly constructed stormwater facilities prior to final acceptance. Ensure that all stormwater conveyances and stormwater facilities meet final grade requirements at final acceptance. Remove silt or regrade as necessary to comply with the lines and grades shown in the Plans.
Do not enter onto lands or waters outside the limits of construction as staked, except as authorized by the Engineer. Do not allow water that does not meet state water quality standards or does not meet the permitted criteria to exit the project limits.
Obtain the Engineer's approval for the location and method of operation in borrow pits, material pits, and disposal areas furnished for waste material from the project (other than commercially operated sources) such that erosion during and after completion of the work will not result in detrimental siltation or water pollution.

104-4 Materials for Temporary Erosion Control.
For materials that are part of the permanent work, meet the testing requirements of the applicable permanent materials.

[Return to Table of Contents](#)

137

July 2022

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (GOPHER TORTOISE).
(REV 6-15-17) (FA 6-20-17) (7-22)**

SUBARTICLE 7-1.4 is expanded by the following:

Certain gopher tortoise (*Gopherus Polyphemus*) burrows are to remain within the project area, as shown in the Plans, and must be protected. Avoid ground disturbing impacts within a 25 foot radius of each burrow. Install and maintain silt fence in accordance with Section 104 as a means of burrow avoidance, ensuring that it opens towards the offsite project limits, does not herd tortoises toward an obstacle, and that burrows are not fully encircled. Install fence prior to any other construction activity. Replace fence in the same location as the original fence. Remove fence upon completion of construction.

Silt fence intended for burrow avoidance may also be used as silt fence for erosion control but shall not be considered as the only silt fence needed for erosion control purposes within the project limits.

Follow the gopher tortoise species requirements posted in the URL address in 7-1.4 when gopher tortoises are observed or previously unidentified burrows are discovered.

Topic No. 700-000-000
Construction Project Administration Manual
Administrative Requirements

Effective: July 1, 2002
Revised: July 1, 2022

**Section 8.2
ENVIRONMENTAL COMPLIANCE**

8.2.1 Purpose

To ensure effective compliance within all areas of environmental concern during construction projects.

8.2.2 Authority

Sections 20.23(3)(a) and 334.048(3), Florida Statutes (F.S.)

8.2.3 Reference

Form No. 650-040-001, Permit Transmittal Memorandum
Form No. 650-040-03, Stormwater Pollution Prevention Plan Construction Inspection Report
Form No. 650-040-07, Contractor Certification/NPDES Generic Permit for Storm Water Discharges from Construction Sites Form
Project Commitment Record
Section 403.077, F.S.

8.2.4 Review

The PA shall review and be familiar with all contract documents for the project and the project site, including all the natural features protected by federal and state regulations.

8.2.5 Preconstruction Conference

Project Administrator Responsibilities

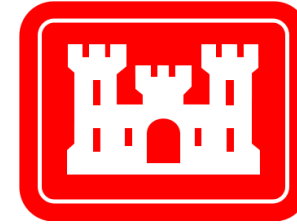
The PA shall notify all Department offices and any regulatory agencies having jurisdiction or input in the construction activities covered by the project permits of the date and time of the Preconstruction Conference with the Contractor.

Environmental Permits

Permitting Agencies

Federal

- ▶ United States Army Corps of Engineers (USACE)
- ▶ United States Coast Guard (USCG)



State

- ▶ Florida Department of Environmental Protection (FDEP)
- ▶ South Florida Water Management District (SFWMD)
- ▶ St. Johns River Water Management District (SJRWMD)



Local

- ▶ Counties
- ▶ Local drainage districts (LWDD, NSLWCD, NSID)
- ▶ Other local delegated authorities (Cities)



South Florida Water Management District (SFWMD)



Environmental Resource Permit (ERP)



South Florida Water Management District
Individual Environmental Resource Permit No. 56-106409-P
Date Issued: December 8, 2016
Modified On: January 26, 2022

Permittee: Florida Department Of Transportation, District 4
3400 West Commercial Boulevard
Fort Lauderdale, FL 33039

Project: Kings Highway Widening - Phase 1 South

Application No. 211206-32373

Location: St Lucie County, See Exhibit 1

Your application for an Individual Environmental Resource Permit is approved. This action is taken based on Chapter 373, Part IV, of Florida Statutes (F.S.) and the rules in Chapter 62-330, Florida Administrative Code (F.A.C.). Unless otherwise stated, this permit constitutes certification of compliance with state water quality standards under section 401 of the Clean Water Act, 33 U.S.C. 1341, and a finding of consistency with the Florida Coastal Management Program. Please read this entire agency action thoroughly and understand its contents.

This permit is subject to:

- Not receiving a filed request for a Chapter 120, F.S., administrative hearing.
- The attached General Conditions for Environmental Resource Permits.
- The attached Special Conditions.
- All referenced Exhibits.

All documents are available online through the District's ePermitting site at www.sfwmd.gov/ePermitting.

If you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights", we will assume that you concur with the District's action.

The District does not publish notices of action. If you wish to limit the time within which a person may request an administrative hearing regarding this action, you are encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Legal requirements and instructions for publishing a notice of agency action, as well as a noticing format that can be used, are available upon request. If you publish a notice of agency action, please send a copy of the affidavit of publication provided by the newspaper to the District's West Palm Beach office for retention in this file.

If you have any questions regarding your permit or need any other information, please call us at 1-800-432-2045 or email epermits@sfwmd.gov.


Dustin Wood, P.E.
Section Leader

CONSTRUCTION COMMENCEMENT NOTICE

Instructions: In accordance with Chapter 62-330.350(1)(d), F.A.C., complete and submit this form at least 48 hours prior to commencement of activity authorized by permit.


Permit No. _____ Application No. _____
Project Name _____ Phase _____

Construction of the system authorized by the above referenced Environmental Resource Permit and Application, is expected to commence on _____, 20____ and will have an estimated completion date of _____, 20____

PLEASE NOTE: If the actual construction commencement date is not known within 30 days of issuance of the permit, District staff should be so notified in writing. As soon as a construction commencement date is known, the permittee shall submit a completed construction commencement notice form.

Permittee's or Authorized Agent's Signature _____ Company _____
Print Name _____ Title _____ Date _____
E-mail _____ Phone Number _____

[Reset Form](#) [Save & Print](#)



Form 62-330.350(1) Construction Commencement Notice
Incorporated by reference in subsection 62-330.350(1), F.A.C. (October 1, 2013)

Page 1 of 1

As-Built Certification And Request for Conversion to Operation Phase

Instructions: Complete and submit this page within 30 days of completion of the entire project, or any independent portion of the project, as required by the permit conditions. The operation phase of the permit is effective when the construction certification for the entire permit/application is approved by the Agency. If the final operation and maintenance entity is not the permittee, the permittee shall operate the project, system, works, or other activities temporarily until such time as the transfer to the operation entity is finalized (use Form 62-330.310(2)).

Permit No: _____ Application No: _____ Permittee: _____
Project Name: _____ Phase or Independent Portion (if applicable): _____

I HEREBY CERTIFY THAT (please check only one box):

To the best of my knowledge, information, and belief, construction of the project has been completed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached are documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.

Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. Any deviations or independent phasing will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. (Contact the permitting agency to determine whether a modification of the permit will be required in accordance with Rule 62-330.315, F.A.C.) Attached is a description of substantial deviations, a set of as-built drawings, and documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.

Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. There are substantial deviations that prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. I acknowledge that corrections to the project and/or a modification of the permit will likely be required, and that conversion to the operation phase cannot be approved at this time. As-built or record drawings reflecting the substantial deviations are attached.


For activities that require certification by a registered professional:

By: _____ (Print Name) _____ (Fla. Lic. or Reg. No.)
Signature _____
(Company Name) _____ (Company Address) _____
(Telephone Number) _____ (Email Address) _____

AFFIX SEAL
(Date) _____

For activities that do not require certification by a registered professional:

By: _____ (Print Name) _____
Signature _____
(Company Name) _____ (Company Address) _____
(Telephone Number) _____ (Email Address) _____ (Date) _____



Form 62-330.310(1) - As-Built Certification and Request for Conversion to Operation Phase
Incorporated by reference in paragraph 62-330.310(4)(a), F.A.C. (June 1, 2018)

Page 1 of 2

ERP Permit Conditions - Example

Special Conditions for Individual Environmental Resource Permits, 62-330.350, F.A.C.

1. The construction authorization for this permit shall expire on the date shown on page 2.
2. Operation and maintenance of the stormwater management system shall be the responsibility of the Florida Department of Transportation. The permittee shall notify the Agency in writing within 30 days of any conveyance or division of ownership or control of the property or the system, and the new owner must request transfer of the permit in accordance with Rule 62-330.340, F.A.C.
3. Prior to initiating construction activities associated with this Environmental Resource Permit (ERP), the permittee is required to hold a pre-construction meeting with field representatives, consultants, contractors, District Environmental Resource Bureau (ERB) staff, and any other local government entities as necessary. The purpose of the pre-construction meeting is to discuss construction methods, sequencing, best management practices, identify work areas, staking and roping of preserves where applicable, and to facilitate coordination and assistance amongst relevant parties. To schedule a pre-construction meeting, please contact ERB staff from the West Palm Beach Office at (561) 686-8800 or via e-mail at: pre-con@sfwmd.gov. When sending a request for a pre-construction meeting, please include the application number, permit number, and contact name and phone number.

4. STANDARD MANATEE CONDITIONS FOR IN-WATER WORK (2011)

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 Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com.

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK (2011)


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 Vero Beach (1-772-562-3909) for south Florida, and 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 8 1/2" 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 MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

South Florida Water Management District (SFWMD)



Right-of-Way (ROW)

**SFWMD NOTICE GENERAL PERMIT NO. MOD 3535**
(NON-ASSIGNABLE)

Rev. 9/99 DATE ISSUED: **January 12, 2022**

AUTHORIZING: **FENDER SYSTEM REPLACEMENT, SLOPE REHABILITATION, AND CONSTRUCTION OF A RETAINING WALL IN THE SOUTHWEST BRIDGE QUADRANT FOR THE U.S. 1 BRIDGE OVER THE DANIA CUT-OFF CANAL**

LOCATED IN: **BROWARD COUNTY, SECTION 34 TOWNSHIP 50S RANGE 42E**

ISSUED TO: **FLORIDA DEPARTMENT OF TRANSPORTATION
3400 WEST COMMERCIAL BOULEVARD
FORT LAUDERDALE, FL 33309**


This permit is issued pursuant to Application No. **21-0928-1M** dated **September 28, 2021** and permittee's agreement to hold and save the South Florida Water Management District and its successors harmless from any and all damages, claims or liabilities which may arise by reason of the construction, maintenance or use of the work or structure involved in the Permit. Said application, including all plans and specifications attached thereto, is by reference made a part hereof. The permittee, by acceptance of this permit, hereby agrees that he/she shall promptly comply with all orders of the District and shall alter, repair or remove his/her use solely at his/her expense in a timely fashion. Permittee shall comply with all laws and rules administered by the District. This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation, or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

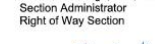
This permit is issued by the District as a revocable license to use or occupy District works or lands. It does not create any right or entitlement, either legal or equitable, to the continued use of the District works or lands. Since this permit conveys no right to the continued use of the District works or lands, the District is under no obligation to transfer this permit to any subsequent party. By acceptance of this permit, the permittee expressly acknowledges that this permit bears all risk of loss as a result of revocation of this permit.

WORK PROPOSED MUST BE COMPLETED ON OR BEFORE January 31, 2024.

Otherwise, this permit is void and all rights there under are automatically canceled unless permittee applies for, in writing, a request for extension to the construction period and such request is received by the District on or before the expiration date and such request is granted, in writing, by the District.

SPECIAL CONDITIONS (SPECIFIC PROJECT CONDITIONS) AND LIMITING CONDITIONS ON ATTACHED SHEETS ARE A PART OF THIS DOCUMENT.

FILED ON January 12, 2022 BY: 
John Hixenbaugh, J.D., AICP CUD
Section Administrator
Right of Way Section

BY: 
Elise Cueto
DEPUTY CLERK

Original Mailed to Permittee on 1-12-22 by Elise Cueto

C: Jose Varon FT. LAUDERDALE FIELD STATION (954) 452-4814, Extension 4822
Copy to: Olivia Bonilla, FDOT 3400 West Commercial Boulevard Fort Lauderdale, FL 33309

PERMIT NO. MOD 3535 January 12, 2022

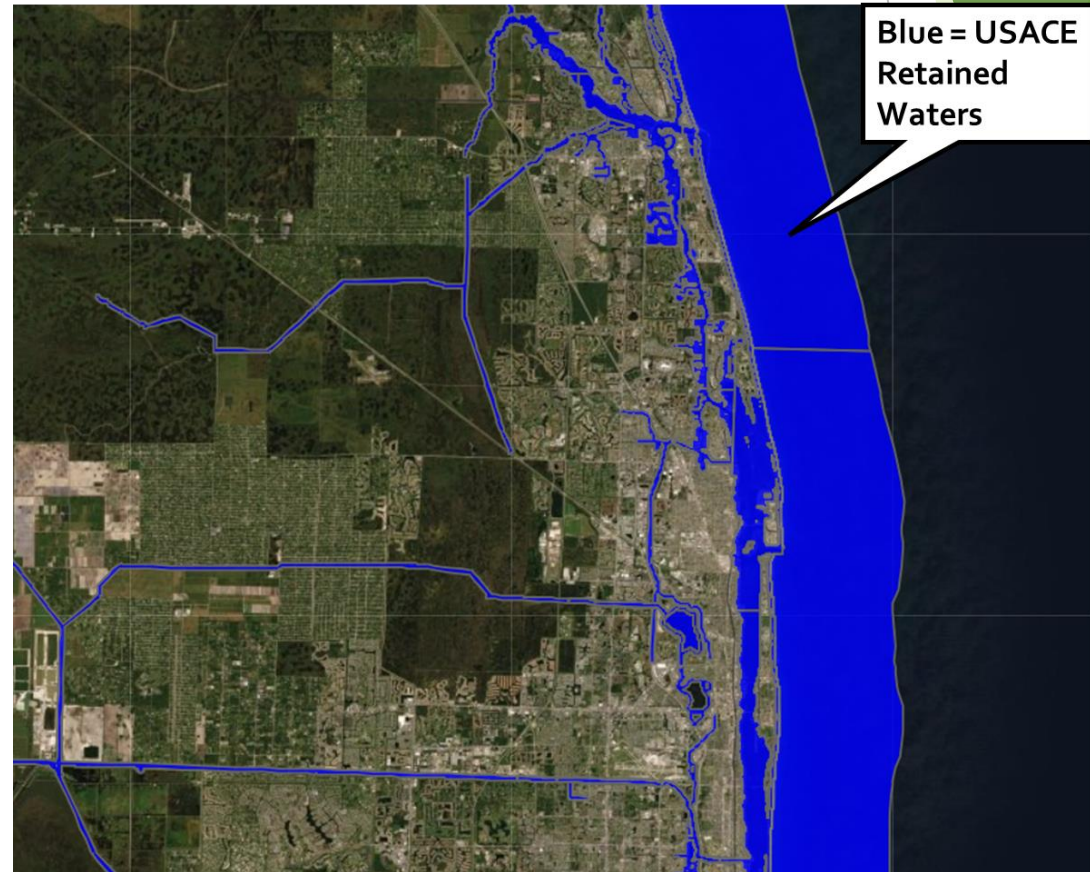
SPECIAL CONDITIONS ARE AS FOLLOWS:

1. UNLESS OTHERWISE NOTED BELOW, ALL WORK AUTHORIZED BY RIGHT OF WAY OCCUPANCY PERMIT NO. 3535 AND ITS MODIFICATION(S) IS SUBJECT TO THE SPECIAL AND LIMITING CONDITIONS SET FORTH HEREIN.
2. PRIOR TO COMMENCEMENT OF CONSTRUCTION OR UTILIZATION OF THE DISTRICT'S RIGHT OF WAY, PERMITTEE SHALL SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH THE DISTRICT'S FIELD REPRESENTATIVE ASSIGNED TO THIS PERMIT. NO WORK WITHIN THE RIGHT OF WAY SHALL BE AUTHORIZED WITHOUT FIRST HAVING A MEETING AT WHICH PERMITTEE SHALL BE REQUIRED TO OBTAIN NOTICE TO PROCEED FROM THE FIELD REPRESENTATIVE. IF REQUESTED BY THE FIELD REPRESENTATIVE, PERMITTEE SHALL PREPARE AND PRESENT THE FOLLOWING AT THE MEETING: A) COPIES OF ALL PERMITS THAT MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION; B) CONTACT INFORMATION FOR PERMITTEE, THE CONTRACTOR AND/OR THIRD-PARTY INDEPENDENT INSPECTOR, INCLUDING TELEPHONE NUMBERS, EMAIL ADDRESSES AND PHYSICAL ADDRESSES; C) WRITTEN INVENTORY OF ALL VEHICLES AND/OR EQUIPMENT BY TYPE TO ENTER UPON THE RIGHT OF WAY; D) WRITTEN PROCEDURES FOR VACATING THE RIGHT OF WAY WITHIN 24 HOURS NOTICE FROM THE DISTRICT; AND E) CONTACT INFORMATION FOR PERSONS AND/OR VENDORS RESPONSIBLE FOR EMERGENCY VACATION FROM THE RIGHT OF WAY. PERMITTEE SHALL PROVIDE, PREPARE AND/OR PRESENT ANY OTHER DOCUMENTATION, AS MAY BE DIRECTED BY THE FIELD REPRESENTATIVE, IN PREPARATION FOR THE PRECONSTRUCTION MEETING.
3. PRIOR TO CONTACTING THE DISTRICT FOR A FINAL INSPECTION, PERMITTEE SHALL REMOVE ALL CONSTRUCTION MATERIALS AND DEBRIS FROM THE DISTRICT'S CANAL AND RIGHT OF WAY AND RESTORE THE RIGHT OF WAY TO THE SATISFACTION OF THE DISTRICT. RESTORATION MAY REQUIRE, BUT NOT BE LIMITED TO, GRADING, COMPACTION OF SOIL, PLACEMENT OF SOD, AND/OR INSTALLATION OF BANK STABILIZATION MATERIALS (E.G., RIP RAP, FILTER FABRIC CLOTH, ETC.). PERMITTEE SHALL BE SOLELY LIABLE FOR ALL COSTS ASSOCIATED WITH RESTORATION OF THE RIGHT OF WAY. ALL RESTORATIVE WORK SHALL BE PERFORMED IN COMPLIANCE WITH DISTRICT AND/OR USACE SPECIFICATIONS AND DIRECTION.
4. IMMEDIATELY UPON COMPLETION OF THE AUTHORIZED WORK, PERMITTEE SHALL CONTACT THE DISTRICT'S FIELD REPRESENTATIVE LISTED ON THE FACE OF THIS PERMIT TO SCHEDULE A FINAL INSPECTION. PERMITTEE SHALL BE REQUIRED TO ATTEND THE FINAL INSPECTION AND PROVIDE COPIES OF ANY DELIVERABLES (E.G., CLOSED BUILDING PERMIT, CERTIFIED AS-BUILT DRAWINGS, ETC.) REQUIRED BY THIS PERMIT AT THAT TIME. PERMITTEE SHALL CORRECT ANY DEFICIENCIES IDENTIFIED DURING THE INSPECTION WITHIN THE TIMEFRAME AND IN THE MANNER DIRECTED BY THE DISTRICT'S FIELD REPRESENTATIVE.
5. THE WORK OR USE AUTHORIZED BY THIS PERMIT SHALL BE COMPLETED BY 31-JAN-2024 UNLESS OTHERWISE EXTENDED BY THE DISTRICT IN WRITING. IF PERMITTEE REQUIRES AN EXTENSION OF THE WORK EXPIRATION DATE, PERMITTEE SHALL SUBMIT A REQUEST FOR AN EXTENSION IN THE MANNER AND FORM, AS DIRECTED BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO APPROVE, APPROVE WITH CONDITIONS OR DENY PERMITTEE'S REQUEST.
6. PRIOR TO PLACEMENT OF A BARGE WITHIN THE CANAL, PERMITTEE SHALL SECURE AUTHORIZATION FROM THE DISTRICT'S FIELD REPRESENTATIVE LISTED ON THE FACE OF THIS PERMIT TO CONFIRM THAT WEATHER CONDITIONS, OPERATIONS, OTHER AUTHORIZED WORK OR OTHER CIRCUMSTANCES DO NOT PRECLUDE PLACEMENT OF THE BARGE IN THE CANAL. UPON AUTHORIZATION TO PLACE THE BARGE, PERMITTEE SHALL HAVE A CRANE ON CALL FOR REMOVAL OF THE BARGE UPON DEMAND BY THE DISTRICT. THE DISTRICT WILL ATTEMPT, WHEN POSSIBLE, TO PROVIDE 24-HOUR NOTICE OF REQUIRED REMOVAL.
7. PERMITTEE SHALL MAINTAIN AT A MINIMUM 10-FOOT SETBACK BETWEEN THE CRANE AND THE TOP OF BANK AT ALL TIMES TO AVOID DAMAGING THE CANAL BANK WHILE DEPLOYING THE BARGE. PERMITTEE SHALL EXERCISE CARE DURING PLACEMENT, UTILIZATION AND REMOVAL OF THE BARGE WITHIN OR FROM THE CANAL, SO AS TO NOT DAMAGE THE CANAL BANKS. PERMITTEE SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE WITHIN THE DISTRICT'S RIGHT OF WAY.
8. SPUD ANCHORING OF ANY BARGE OR VESSEL SHALL BE LIMITED TO THE FLAT CANAL BOTTOM. ANCHORING IN THE CANAL SIDE SLOPES SHALL BE PROHIBITED. IF ANY BARGE OR VESSEL IS TO REMAIN ANCHORED IN THE CANAL AT NIGHT, IT SHALL BE EQUIPPED WITH AND DISPLAY MOORING LIGHTS.
9. EXCAVATED MATERIAL FROM THE CANAL SHALL NOT BE STOCKPILED IN THE RIGHT OF WAY. PERMITTEE SHALL REMOVE ALL EXCAVATED MATERIAL FROM THE RIGHT OF WAY.
10. PRIOR TO COMMENCEMENT OF CONSTRUCTION OR UTILIZATION OF THE DISTRICT'S RIGHT OF WAY, PERMITTEE SHALL BE REQUIRED TO CONTACT SUNSHINE 811 AND LOCAL JURISDICTION(S) TO IDENTIFY ANY EXISTING BURIED UTILITIES BY USE OF ABOVE-GROUND MARKERS (FLAGS) AND/OR COLOR-CODED INDICATOR LINES LOCATED WITHIN THE LIMITS OF THE PROPOSED WORK AREA.
11. WITHIN 30 DAYS OF COMPLETION (OR WITHIN 30 DAYS OF PERMIT ISSUANCE IF THE WORK WAS COMPLETED PRIOR TO THE ISSUANCE OF THE PERMIT), PERMITTEE SHALL SUBMIT TO THE DISTRICT ONE ELECTRONIC AND ONE HARD COPY OF THE REQUIRED DOCUMENTATION CONSISTING OF A CERTIFICATION AND AS-BUILT DRAWING FROM THE ENGINEER OF RECORD. SUCH DOCUMENTATION SHALL INCLUDE THE GPS LOCATION OF

United States Army Corps of Engineers (USACE)




- ▶ USACE still permits navigable /tidal waters and adjacent wetlands within 300 feet of the coastline (retained waters)
 - ▶ FDEP has assumed permitting for the other Water of the United States (WOTUS)



National Pollution Discharge Elimination System (NPDES)

- Required to be obtained by the **contractor** if the project disturbs greater than 1.00 acres of soil



**NOTICE OF INTENT
TO USE
NPDES GENERIC PERMIT FOR STORMWATER
DISCHARGE FROM LARGE AND SMALL
CONSTRUCTION ACTIVITIES
(RULE 62-621.300(4), F.A.C.)**

You must submit this completed Notice of Intent (NOI) form to the Department to get coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities provided in subsection 62-621.300(4), F.A.C. The Generic Permit document (DEP Document 62-621.300(4)(a)) tells you what construction activity qualifies for coverage, how you obtain and terminate coverage, what you must do to minimize pollution from your construction site, and what conditions apply to your project to use the generic permit. You must submit the appropriate generic permit fee, as specified in paragraph 62-621.300(4)(b), F.A.C., with this NOI Form to obtain permit coverage. You must read and understand the requirements of the generic permit document and the attached instructions before completing this NOI form. Please print or type information in the appropriate areas below.

For construction activities also requiring an Individual Environmental Resource Permit (ERP), under Chapter 62-330, F.A.C.:

If your construction activities are already authorized by a valid Individual ERP issued by the Department, Water Management District or a Deeded Local Government, you may also elect to use this NOI form to provide the required notice of commencement of construction, in lieu of Form 62-330.35(1) ("Construction Commencement Notice").

Do you wish to also provide notice of commencement of construction activities authorized under an Individual ERP permit through the use of this form? Yes No

I. IDENTIFICATION NUMBER:

A. Facility ID (if renewing coverage): _____

B. ERP Permit Number* (if applicable): _____

C. ERP Permitting Agency (if applicable): _____

*If the ERP permit authorizes phased construction, please also indicate which phase.

II. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED AND READY TO BE IMPLEMENTED: Yes No


*If No, you may not submit your NOI at this time.

III. APPLICANT INFORMATION:

A. Operator Name: * ERP Permittee Name (if different than "Operator"), if applicable:		B. Operator Status:
C. Address:		
D. City:	E. State:	F. Zip Code:
G. Responsible Authority:		

Page 1 of 6

DEP Form 62-621.300(4)(b)
Effective Date: 02/2013



**Florida Department of
Environmental Protection**

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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

August 14, 2018

Daniel Ignacio Halley
Halley Engineering Contractors, Inc
10750 Nw 118th St
Medley, FL 33178

RE: Facility ID: FLR20CG85
SR 713(King's Hwy)
County: St Lucie

Dear Permittee:


The Florida Department of Environmental Protection has received and processed your *Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities* (NOI) and the accompanying processing fee. This letter acknowledges that:

- your NOI is complete;
- your processing fee is paid-in-full; and
- you are covered under the *Generic Permit for Stormwater Discharge from Large and Small Construction Activities* (CGP), DEP Document No. 62-621.300(4)(a).

Your project identification number is FLR20CG85. Please include this number on all future correspondence to the Department regarding this permit.

This letter is not your permit; however, this letter does serve as verification of permit coverage. A copy of the [permit language](#) is available online or by contacting the NPDES Stormwater Notices Center.

Your permit coverage becomes effective 08/16/2018 and will expire 08/15/2023. To terminate your coverage prior to this expiration date, you must file a *National Pollutant*



**NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) STORMWATER
NOTICE OF TERMINATION
(RULE 62-621.300(6), F.A.C.)**

You must use this form to terminate coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities provided in subsection 62-621.300(4), F.A.C., the Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity provided in subsection 62-621.300(5), F.A.C., as well as the conditional exclusion for "no exposure" of industrial activities and materials to stormwater provided in paragraph 62-620.100(2)(c), F.A.C.

All information provided on this form shall be typed or printed in ink.

I. TERMINATION INFORMATION:

A. Facility ID/Project Number: _____

B. Reason for Termination: Check all that apply:

<input type="checkbox"/> No longer operator of the facility/project.
<input type="checkbox"/> Final stabilization criteria is met and all stormwater discharges associated with construction activity including dewatering operations have ceased (for construction activity only).
<input type="checkbox"/> All stormwater discharges associated with industrial activity have ceased (for industrial activity only).
<input type="checkbox"/> No longer meet the condition of "no exposure" (for industrial activity only).

II. OPERATOR INFORMATION:

A. Operator Name:		
B. Address:		
C. City:	D. State:	E. Zip Code:
F. Responsible Authority:		G. Responsible Authority's Phone No.:
H. Responsible Authority's E-mail Address:		I. Responsible Authority's Fax No.:

III. FACILITY/PROJECT INFORMATION:

A. Name:		
B. Address/Location:		
C. City:	D. State:	E. Zip Code:
F. County:		

Page 1 of 4

DEP Form 62-621.300(6)
Effective Date: 02/2013

FDOT Form 650-040-07

- ▶ Signed by prime contractor and any subcontractor who will be installing, maintaining, or inspecting any BMPs
- ▶ Request copy for project file


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

650-040-07
CONSTRUCTION
04/18

**CONTRACTOR/SUBCONTRACTOR CERTIFICATION NPDES GENERIC PERMIT FOR STORM
WATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES**

Financial Project # _____

"I certify under penalty of law that I understand and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder."



Signature of Contractor/Subcontractor _____ Date _____

Name and Title

Name of Contracting or Subcontracting Firm

Address or P.O. Box of Contracting or Subcontracting Firm

City State Zip Code

Telephone: Contracting or Subcontracting Firm Area Code Number

Email of Contracting or Subcontracting Firm

Stormwater Pollution Prevention Plan Inspections (FDOT Form 650-040-03)

- ▶ Every 7 calendar days (regardless of weekends and holidays) and after every rain event 1/2-inch or greater

Financial Project # _____

CONTRACT # _____

S.R. # _____

Page _____

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
STORMWATER POLLUTION PREVENTION PLAN
CONSTRUCTION INSPECTION REPORT
 (Weekly and within 24 hrs. of the end
 of a storm that is 0.50 in. or greater)

650-040-03
 CONSTRUCTION
 04/18

COMPANY NAME _____

INSPECTION DATE _____

FDEP Permit # _____

Date of Rainfall _____

Amount Recorded _____

Location of Control Measure	Approximate Stations		Lt. Or Rt. Of Centerline	Active Work Zone= A		Date Last Disturbed	Date of Stabilization	Control Measures (Use Codes Below)	Current Condition (Use Codes Below)	Corrective Action or Remarks
	From	To		Inactive Work Zone= I						

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

All maintenance operations needed to assure proper operation of all controls, BMPs, practices, or measures identified in the Stormwater Pollution Prevention Plan shall be done in a timely manner, but in no case later than 7 calendar days following the inspection. The signature below also shall certify that this facility is in compliance with the Stormwater Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

 Signature (Responsible Authority)

 Date Signed

CONTROL MEASURE CODES

1. Temporary Grassing	19. Storm Inlet Sediment Trap
2. Permanent Plant, Sod, or Seed	20. Stone Outlet Structure
3. Temporary Mulching	21. Curbs and Gutters
4. Artificial Covering	22. Storm Sewers
5. Buffer Zone	23. Velocity Control Devices
6. Silt Fence	24. Turbidity Barrier
7. Synthetic Bales	25. Haul Roads Dampened for Dust Control
8. Sand Bagging	26. Cleanup of Possible Contamination
9. Berms	27. Excess Dirt Removed from Rdwy Daily
10. Diversion, Interceptor, or Perimeter Ditches	28. Geotextile
11. Flumes	29. Filter Fabric
12. Pipe Slope Drain	30. Rock Bags
13. Ditch Liner	31. Paved Road
14. Rock Bed at Construction Exit	32. Swale
15. Timber Mat or Construction Exit	33. Retention Pond
16. Rip Rap	34. Detention Pond
17. Sediment Trap	35. Tree Protection
18. Sediment Basin	36. _____
	37. _____

CONDITION CODES

U Upgrade Needed
R Replacement Needed
M Maintenance Needed
C Cleaning Needed
I Increase Measures
S Stable (no action)

Other: _____

Other: _____

Inspector Name: _____

Signature: _____
 (Can be signed Digitally or Stylus)

Date Certified: _____

Certification #: _____
 (or other qualifications as described in Part II #12 of the permit)

SWPPP Weekly Report Signatures

Red Block: Responsible Authority listed on the NOI application Section III Letter G

Purple Block: Certified Inspector (certificate must be on file)

I. IDENTIFICATION NUMBER:
A. Facility ID (if renewing coverage): [Redacted]
B. ERP Permit Number* (if applicable): [Redacted]
C. ERP Permitting Agency (if applicable): [Redacted]

*If the ERP permit authorizes phased construction, please also indicate which phase.

II. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED AND READY TO BE IMPLEMENTED: Yes No
*If No, you may not submit your NOI at this time.

III. APPLICANT INFORMATION:

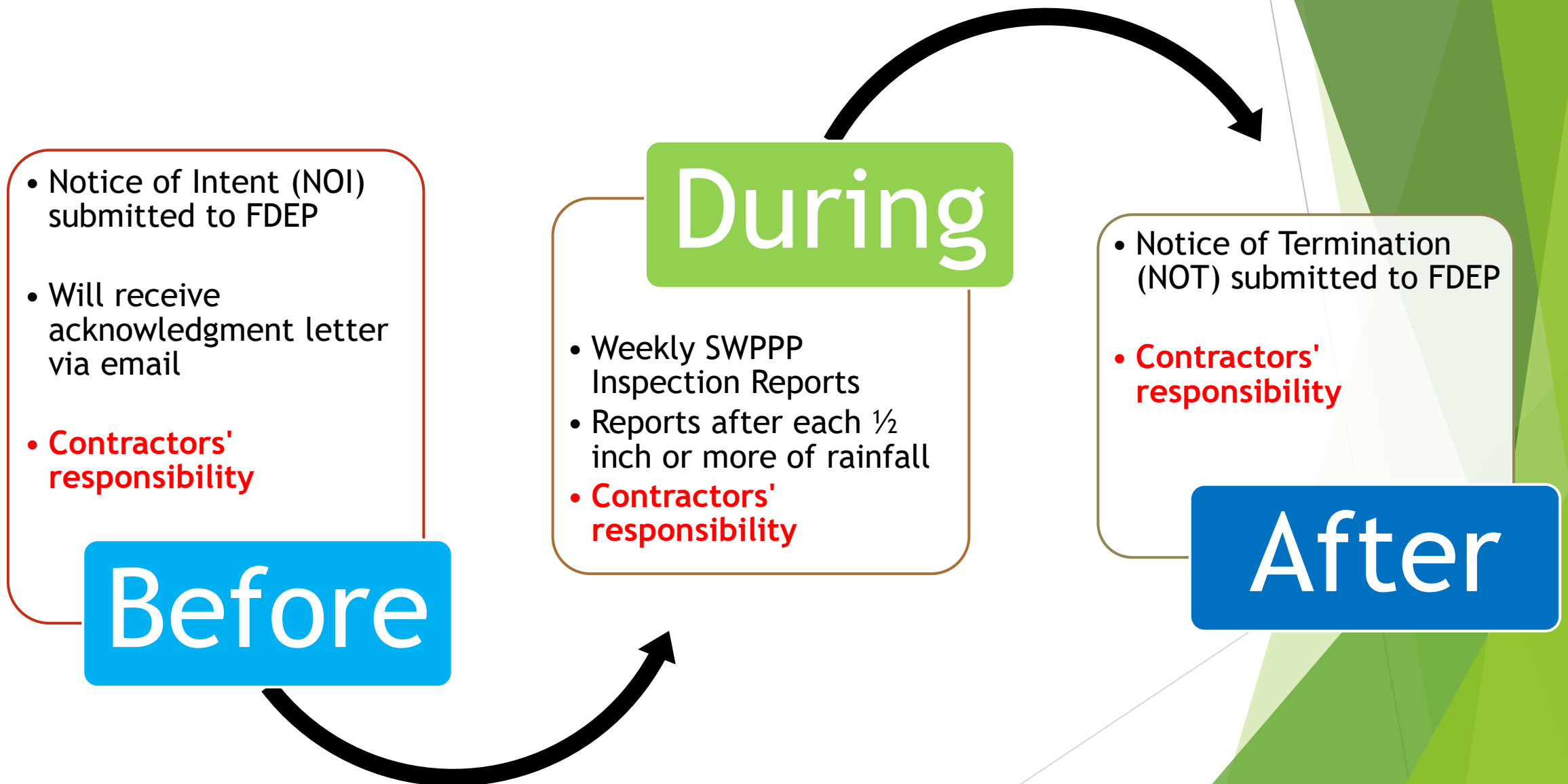
A. Operator Name: * ERP Permittee Name (if different than "Operator"), if applicable:		B. Operator Status:
C. Address:		
D. City:	E. State:	F. Zip Code:
G. Responsible Authority:		

DEP Form 62-621.300(4)(b)
Effective Date: 02/2015

Page 1 of 6

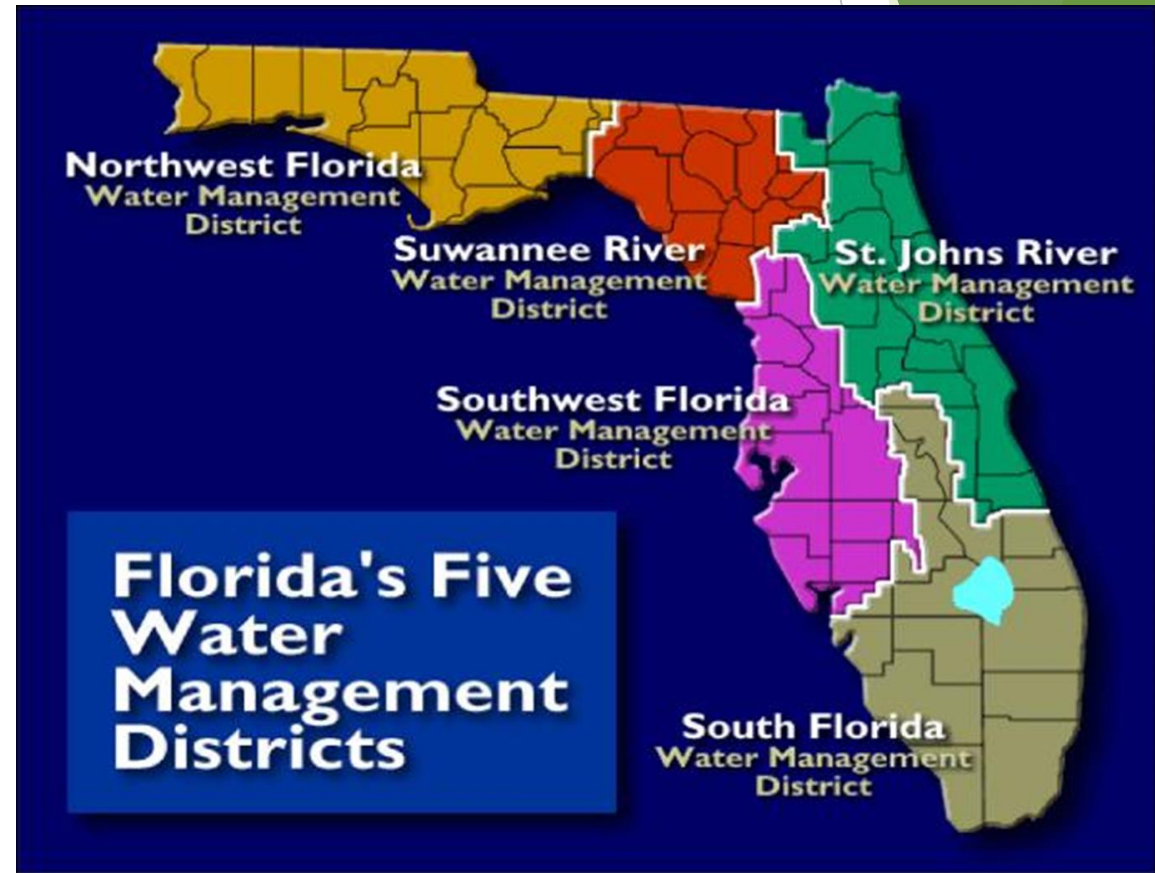


NPDES Permit Quick Recap



Dewatering During Construction

- ▶ Different FDOT Districts follow different dewatering procedures
- ▶ To schedule a dewatering pre-application meeting, please contact SFWMD by email at wupreapp@sfwmd.gov or call (561) 682-2795
- ▶ Important to remember - dewatering is the contractors means and methods

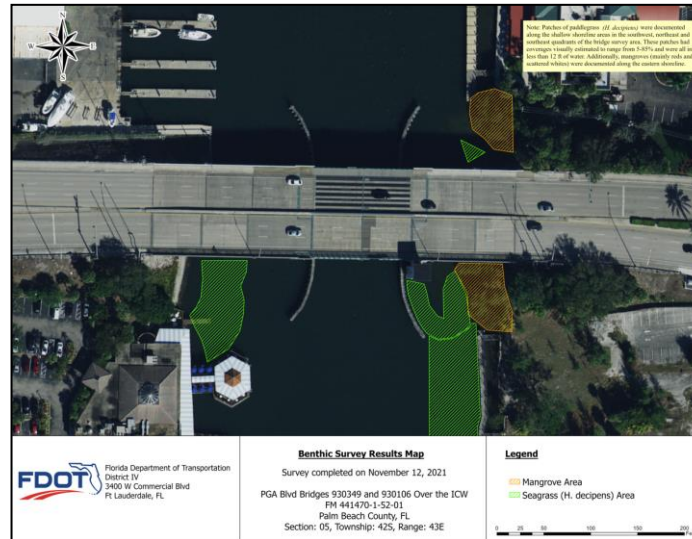


Project Commitment Tracking - Construction

- ▶ Developed during Project Development and Environmental (PD&E)
- ▶ Assures regulatory agencies that environmental issues will be addressed and monitored
- ▶ May result in **permit conditions**
 - ▶ Species-specific commitments
 - ▶ Environmental resource avoidance / impact minimization
- ▶ May include **construction requirements and/or restrictions**

Environmental Commitments - Examples

- ▶ Pre- or post-construction species surveys
- ▶ Species protection during construction
- ▶ Archaeological monitoring during construction
- ▶ Contamination testing and remediation



CAUTION: MANATEE HABITAT
All project vessels
IDLE SPEED / NO WAKE
When a manatee is within 50 feet of work
all in-water activities must
SHUT DOWN
Report any collision with or injury to a manatee:
Wildlife Alert:
1-888-404-FWCC(3922)
cell *FWC or #FWC



Project Commitment Tracking - Construction Monitoring

Project Commitments Record				
Midway Road (CR-712) - South 25th Street to East of SR-5 (US-1)				
FM Number: 231440-2-52-01				
Commitment Title	Description	Status	Latest Comment	Completion Date
EFH Mitigation	Coordination will continue with the regulatory agencies to develop a mitigation plan that will offset the adverse impacts to Essential Fish Habitat (EFH) from the proposed project during final design and permitting.	Complete	Wetland impacts that will result from the construction of this project have been offset through the deduction of mitigation credits at Bluefield Ranch Mitigation Bank (1.75 and 1.6 Forested Wetland Credits for USACE and SFWMD, respectively). Bluefield Ranch Mitigation Bank specifically precludes projects that impact wetlands along the North Fork of the St Lucie River. Any impacts along the North Fork of the New River, were anticipated to be offset at Platt's Creek. However, all wetland impacts requiring mitigation at the North Fork of the St Lucie River, including EFH impacts, were avoided. Therefore, no mitigation was required from Platt's Creek.	
EFH Mitigation	Coordination regarding mitigation will continue during final design and permitting.	Complete	Wetland impacts that will result from the construction of this project have been offset through the deduction of mitigation credits at Bluefield Ranch Mitigation Bank (1.75 and 1.6 Forested Wetland Credits for USACE and SFWMD, respectively). Bluefield Ranch Mitigation Bank specifically precludes projects that impact wetlands along the North Fork of the St Lucie River. Any impacts along the North Fork of the New River, were anticipated to be offset at Platt's Creek. However, all wetland impacts requiring mitigation at the North Fork of the St Lucie River, including EFH impacts, were avoided. Therefore, no mitigation was required from Platt's Creek.	
Wetland Impact Avoidance	The majority of the widening will occur north of the bridge. To avoid wetland impacts south of Midway Road, the west approach to the bridge will be widened to the north.	Complete	This is consistent with the current design.	
Boat Traffic Control	A Boat Traffic Control Plan will be developed to assure that boat traffic will be maintained during bridge construction. This plan includes methods such as signage, warnings devices and markers and accounting for appropriate clearances.	Complete	Maintenance of navigation is addressed by the FDOT Standard Specifications for Road and Bridge Construction (Section 7-2.2 Work of Structures in Navigable Waters of the U.S., Waters of the U.S., and Waters of the State and 7-8.1 Structures over Navigable Water. Compliance with Federal and Other Regulations).	
Water Treatment	Provide additional 50 percent water quality treatment and floodplain compensation for the project in accordance with local, state and federal criteria.	Complete	This is consistent with the current design. Additional 50% treatment and floodplain compensation have been provided pursuant to SFWMD criteria.	
	Adhere to the permitting agency's specific conditions regarding turbidity and ensure the waters of the North		The Contractor is contractually required to adhere to all project permits. Additionally, the Contractor is required to utilize Best Management	

- ▶ Project team responsible for tracking commitments throughout construction
- ▶ Completed PCR due during final permit close-out (District 4)

The background features abstract, overlapping green geometric shapes in various shades, including light lime green, medium green, and dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The text is centered in a clean, sans-serif font.

Erosion and Sediment Control Devices / Best Management Practices (BMPs)

Sedimentation vs. Erosion

Sedimentation

- ▶ When particles settle out of suspension
 - ▶ Heaviest particles (sands and gravel) settle out first
 - ▶ Lighter (silts and clays) settle out slower and stay in suspension longer

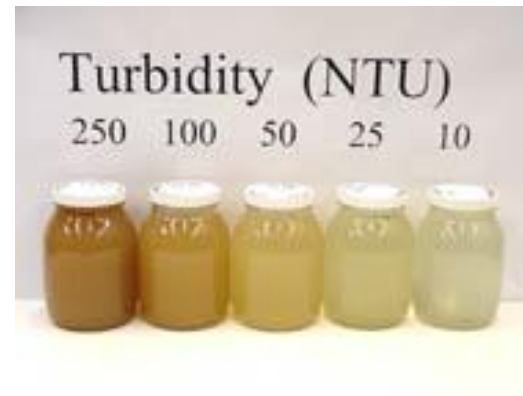
Erosion

- ▶ Soil erosion: process by which the land surface is worn away by the action of natural forces
 - ▶ Wind
 - ▶ Rain
 - ▶ Dewatering discharges
 - ▶ Stream flow

Water Quality Monitoring - Turbidity

- ▶ Waters of the State
 - ▶ The turbidity of discharged water must ≤ 29 NTUs above the background levels of the receiving waters.
- ▶ Outstanding Florida Water (OFW)
 - ▶ The turbidity of discharged water must \leq the NTU's of the receiving waters - (0 NTU above the background level)

NTU is a Nephelometric Turbidity Unit. A measure of water clarity.



Stormwater Pollution Prevention Plan (SWPPP)

- ▶ Narrative plan of how the contractor will control stormwater runoff from the construction site
- ▶ Compliments the erosion and sediment control plan
- ▶ Due to the unique nature of every job site - each construction project will have a unique SWPPP
- ▶ The SWPPP is a dynamic document and should be updated as the work progresses
- ▶ Implement your SWPPP prior to construction commencement

Devices in the Specifications

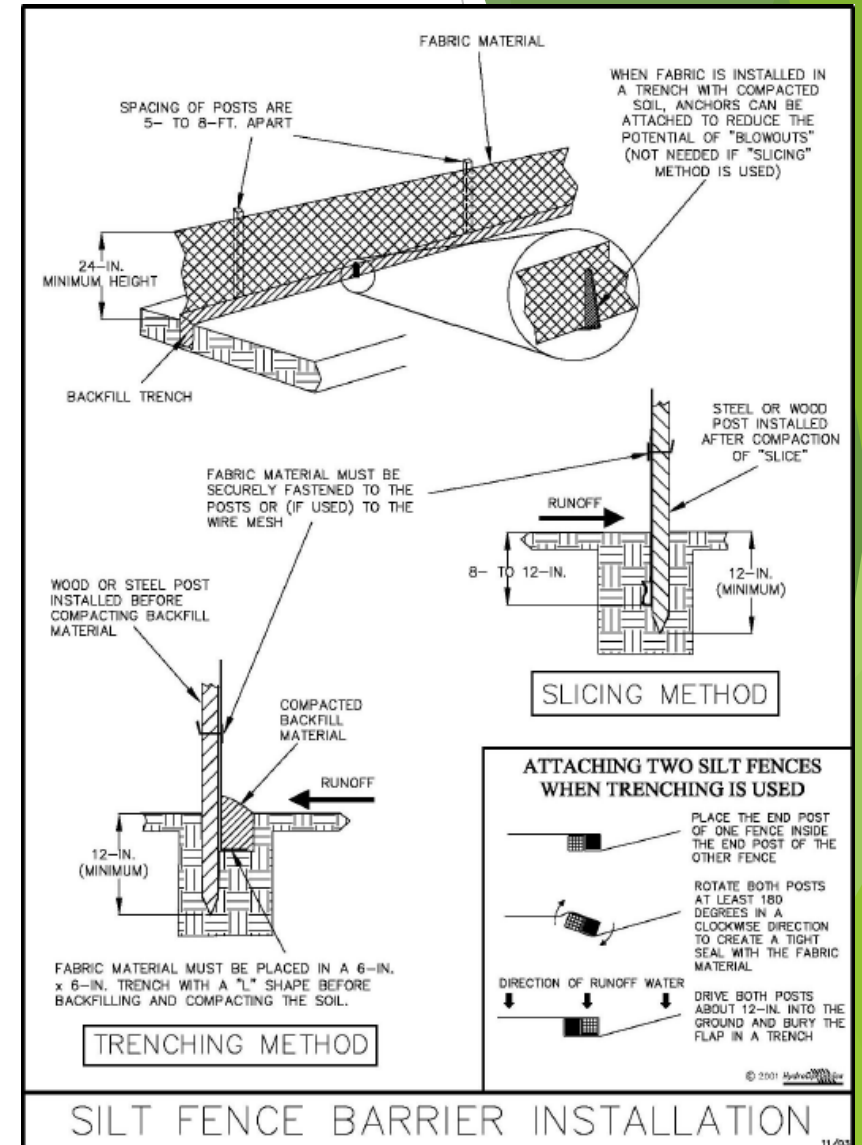
- ▶ 104-6.4 - Details for Temporary Erosion and Sediment Control Features
 - ▶ Temporary erosion, sediment and water pollution control devices found in the Erosion & Sediment Control Manual which consist of but are not limited to the following:
 - ▶ Temporary Turf
 - ▶ Use of sandbags
 - ▶ Slope Drains
 - ▶ Sediment Basins
 - ▶ Berms
 - ▶ Synthetic Bales
 - ▶ Temporary Silt fence
 - ▶ Floating Turbidity Barriers and Staked Turbidity Barriers
 - ▶ Rock Bags
 - ▶ Artificial Covering

Maintenance of Installed Devices

- ▶ 104-7 - Maintenance of Erosion and Sediment Control Devices
 - ▶ Provide routine maintenance of permanent and temporary erosion and sediment control devices, at no expense to the Department, until the project is complete and accepted
 - ▶ Inspect all erosion and sediment control devices **at least** once every seven calendar days and within 24 hours of the end of a storm event that is 0.50 inches or greater

Silt fence

- ▶ Temporary sediment barrier which will slow the velocity of water and retain sediments on site
- ▶ Should only be used to capture sediments under sheet flow conditions
- ▶ Proper installation (trenching and splicing) is required to ensure silt fence is fully functional
- ▶ Expected usable life of 6-months

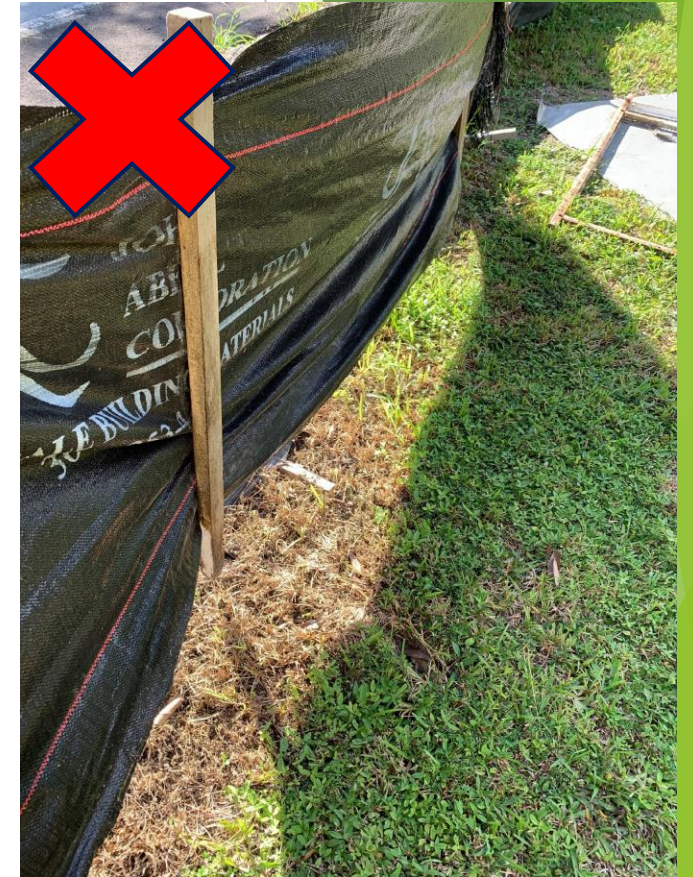


SILT FENCE BARRIER INSTALLATION

Silt Fence - splicing



Silt Fence - trenching



Staked Turbidity Barrier



- ▶ Same installation requirement as silt fence (trenching and splicing)
- ▶ Significant sheet flow
- ▶ Water depths **less than** 30-inches

Floating Turbidity Barrier

- ▶ Minimizes sediment transport from a disturbed area adjacent to or within a waterbody
- ▶ In most situations they are installed along channel flows
- ▶ The ends of the curtain (both floating upper and weighted lower) should extend well-up onto the shoreline and firmly secured to fully enclose the area where sediment may enter the water

Floating Turbidity Barrier



Storm Drain Inlet Protection



- ▶ Protects stormwater conveyance system

Storm Drain Inlet Protection

Geohay waddles should be removed from the plastic bag **prior to** installation on the job site



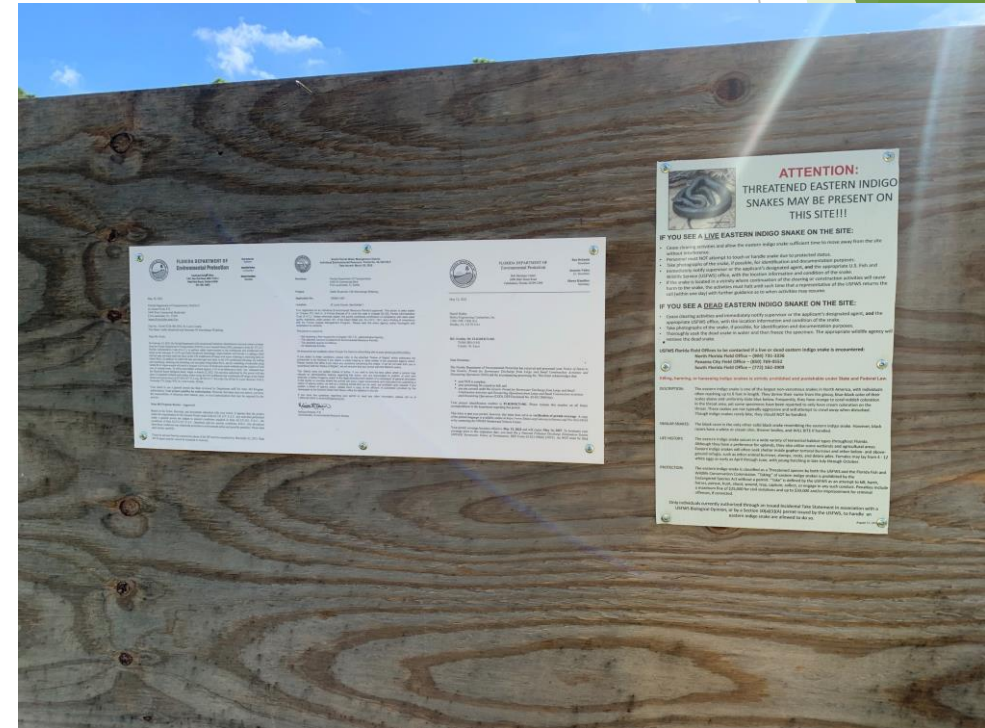
Staging Areas

Staging Areas - requests, reviews, BMPs

- ▶ Unless previously approved staging should not occur in the following areas:
 - ▶ Parks / recreational areas
 - ▶ Within the ROW of any water management district (without prior approval)
 - ▶ Wetlands
- ▶ If outside of FDOT ROW approval of the property owner is required
- ▶ BMPs required:
 - ▶ Silt fence
 - ▶ Tree protection (as applicable)
 - ▶ Inlet protection (as applicable)

Project Bulletin Boards

- ▶ Copies of all permits - preferably laminated
- ▶ Protected species signs - when required per permit or specification



Rain gauge



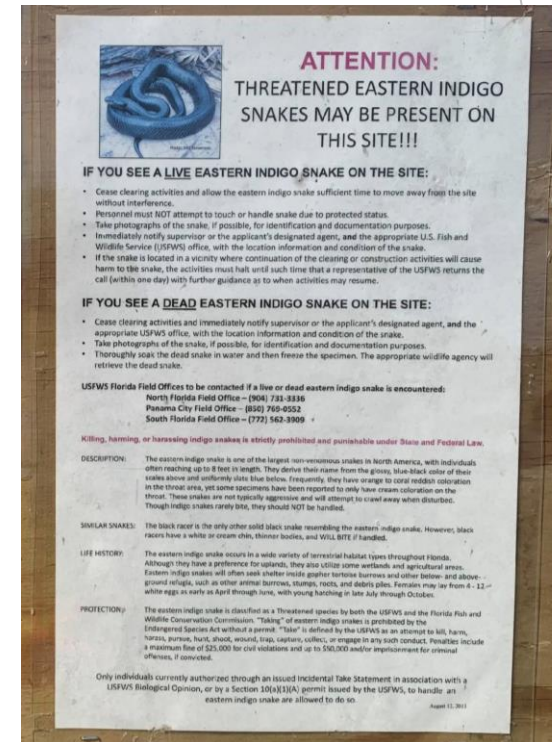
- ▶ Required with NPDES permit
- ▶ Placed within the project corridor
- ▶ Open to the sky to collect rain
- ▶ Checked and emptied daily



Protected Species Signs

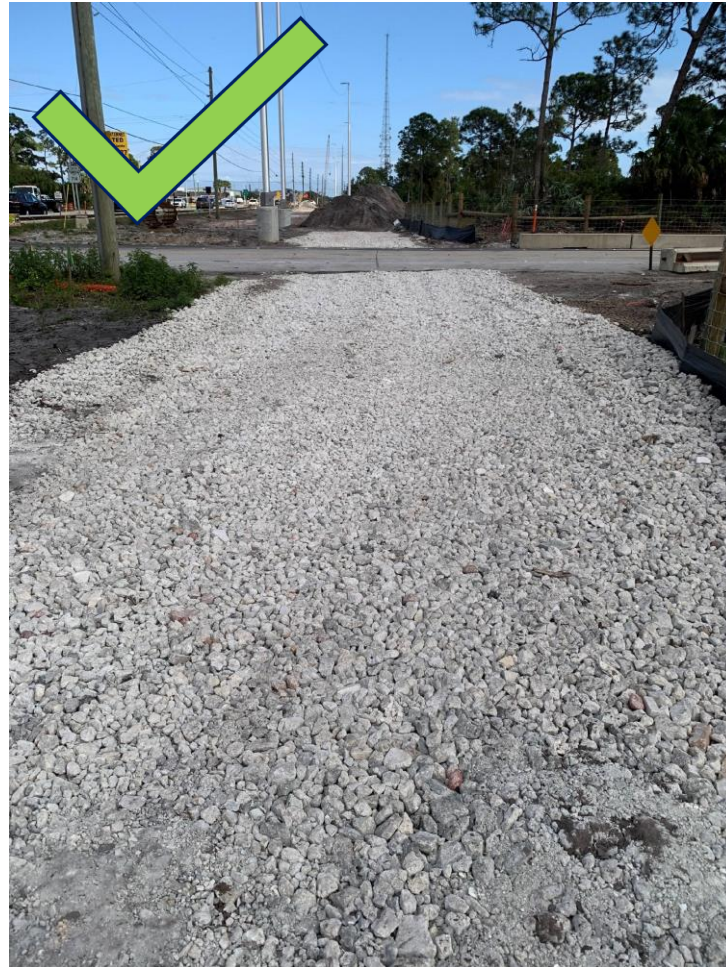


Manatee signs – minimum sizes 8 ½ by 11
BUT larger is better



Eastern Indigo Snake poster – required to
be 11 by 17 and laminated

Construction Entrance / Exit



Staging Area - what is wrong?



Staging Area - what is wrong?

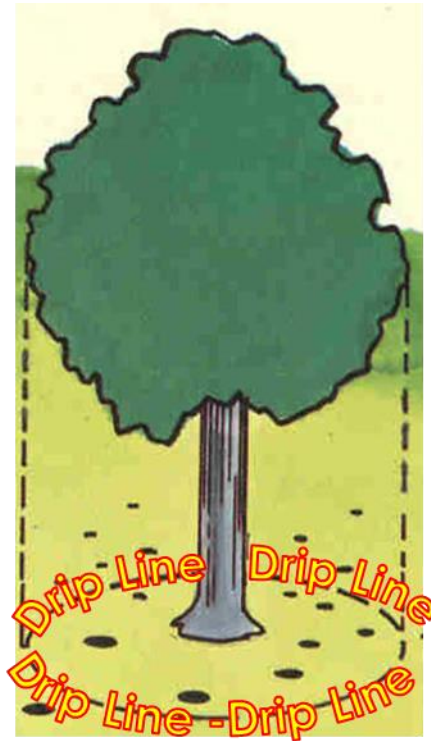


Staging Area - what is wrong?



Tree Protection

- ▶ Extend to the drip-line of the tree



Concrete Washout Area

- ▶ Collected and retained in an impervious container
- ▶ Should be sufficient space if rainfall occurs it does not cause an overflow
- ▶ Washout areas should not be located within 50 feet of:
 - ▶ Storm drains
 - ▶ Open ditches
 - ▶ Water bodies
 - ▶ Wetlands

Concrete Washout Area



Fuel Storage - Secondary Containment and Spill Prevention

- ▶ A way to collect spill from transfers, fillings, leaks from pumping
- ▶ An impervious supplementary confined area or device is required that can hold the entire volume of the original containment of fuel in case of ruptures
 - ▶ Double walled tanks
 - ▶ Plastic-lined / impervious berm
 - ▶ Roll off dumpster

Fuel Storage - Secondary Containment and Spill Prevention



Protected Species / Habitats

Coastal Habitats

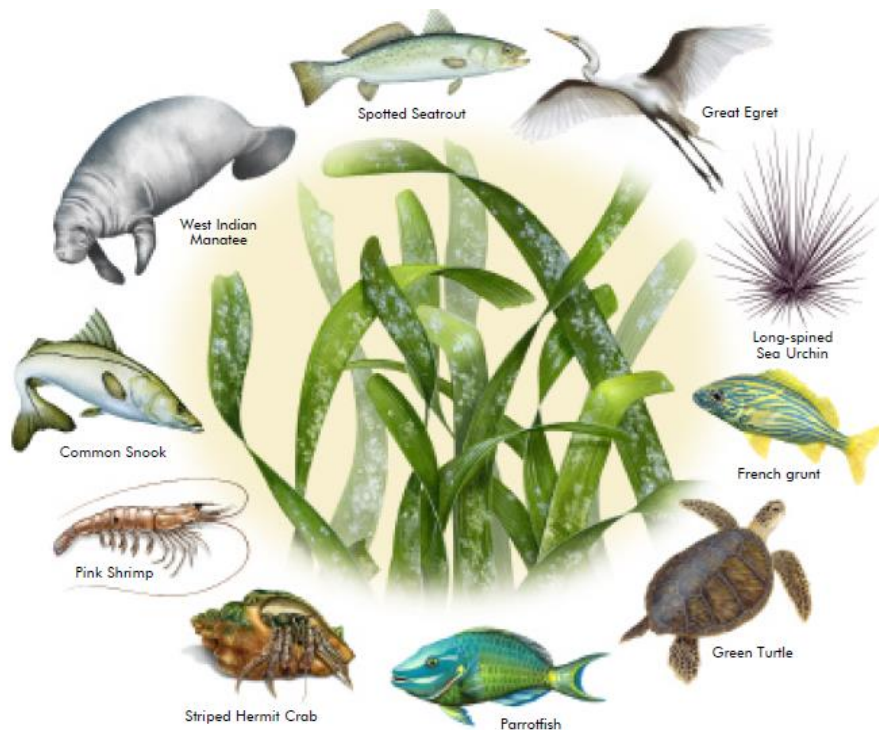
- Although Florida's coasts are best known for their beaches, there are many other important habitats along the coasts and immediately offshore.
- These waters are home to various protected plant and animal species



Protected Coastal Flora

Seagrasses

- ▶ 7 species
- ▶ Coastal waters off FL



Mangroves

- ▶ Three types
- ▶ Found along coastline and within wetlands



Wetland Habitats

- ▶ Protected via permits by multiple agencies (SFWMD, USACE, FDEP)
- ▶ Contractor must install and maintain adequate erosion and sedimentation control during construction
- ▶ Water quality must be maintained



Protected Species

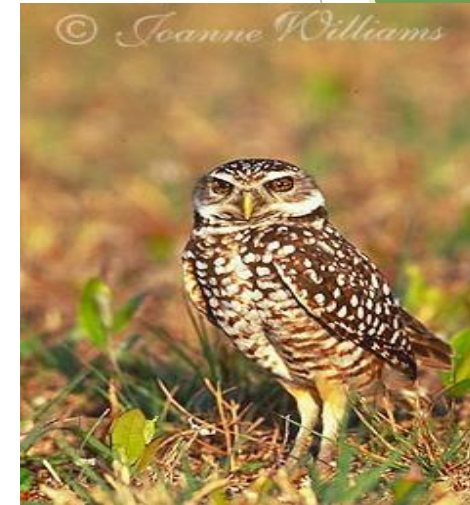
Bald Eagles



Crested Caracara



Florida Burrowing Owl



Eastern Indigo Snake



Gopher Tortoise



West Indian Manatee



Unanticipated Interactions - Protected Species

- ▶ Guidance found within Specification 7-1.4
- ▶ Different species have different nesting buffer distances and permitting requirements
- ▶ Always report interactions and issues for assistance

FDOT Contractor Requirements for Unexpected Interaction with Certain Protected Species During Work Activities

These Requirements are utilized for all FDOT projects and specifically apply when the project has no other identified mitigation measures or permit conditions related to the species encountered.

NOTE: These Requirements represent the species most likely to be unexpectedly encountered on FDOT projects. These Requirements *DO NOT* address all Protected Species that are found in Florida. In the event a species is encountered during project activities and that species' protection status is in question, immediately contact the Engineer.

Bald Eagle

Stop work if live Bald Eagles (*Haliaeetus leucocephalus*) are found in the work area. Work may resume after the bird or birds are allowed to leave the area of their own volition.

Report live sightings of Bald Eagles immediately to the District Environmental Administrator or Construction Environmental Coordinator and the Engineer.

If a Bald Eagle is found nesting within 660 feet of the project limits, cease all work in the area until FDOT (Florida Department of Transportation) has coordinated with USFWS (United States Fish and Wildlife Service).



Crested Caracara

Stop work if live Audubon's Crested Caracara (*Caracara cheriway auduboni*) are found in the work area. Work may resume after the bird or birds are allowed to leave the area of their own volition.

Report live sightings of Audubon's Crested Caracara immediately to the District Environmental Administrator or Construction Environmental Coordinator and the Engineer.

If an Audubon's Crested Caracara is found nesting within 1500 feet of the project limits, cease all work in the area until FDOT has coordinated with USFWS.



Florida Burrowing Owl

Stop work if live Florida Burrowing Owls (*Athene cunicularia floridana*) are found in the work area. Work may resume after the bird or birds are allowed to leave the area of their own volition.



Cooperative Monitoring with FWC

Sandhill Crane



Sandhill Crane
Construction Environmental Fact Sheet

FWC has asked for our help in recording observations of banded sandhill crane or any sandhill crane killed by a vehicle. This will help pinpoint potential vehicle-crane "hot spots" to further be investigated to determine a potential course of action to protect this species.

GENERAL INFORMATION

- Large tall grey birds with red crowns
- Florida state listed Threatened Species
- Intentionally feeding or harassing is illegal

A CRANE DEATH DUE TO VEHICLE COLLISION

- Send email to cranes@myfwc.com with:
 - Your Name
 - Date & time of sighting
 - Location of sighting
 - Speed limit at that location
 - Photos

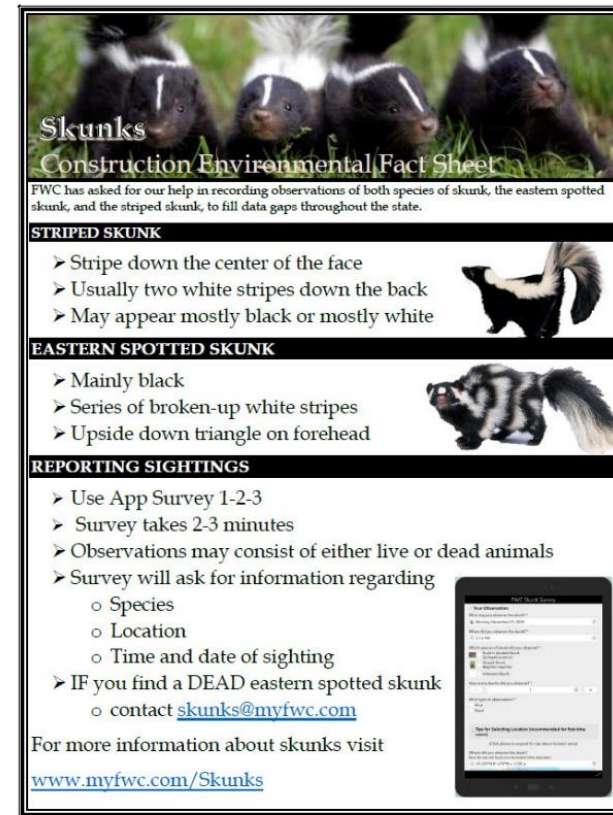


REPORTING SIGHTING OF A BANDED CRANE

- Send email to cranes@myfwc.com with:
 - Your Name
 - Date & time of sighting
 - Location of sighting
 - Band description
 - Which leg
 - Color of band
 - Any other relevant info



Skunk (striped & eastern spotted)




Skunks
Construction Environmental Fact Sheet

FWC has asked for our help in recording observations of both species of skunk, the eastern spotted skunk, and the striped skunk, to fill data gaps throughout the state.


STRIPED SKUNK

- Stripe down the center of the face
- Usually two white stripes down the back
- May appear mostly black or mostly white




EASTERN SPOTTED SKUNK

- Mainly black
- Series of broken-up white stripes
- Upside down triangle on forehead



REPORTING SIGHTINGS

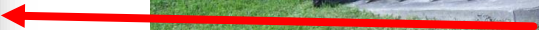
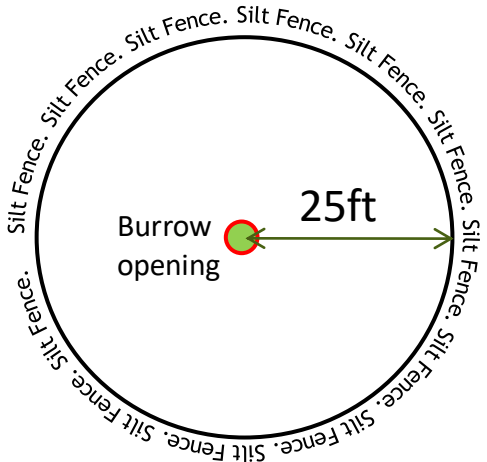
- Use App Survey 1-2-3
- Survey takes 2-3 minutes
- Observations may consist of either live or dead animals
- Survey will ask for information regarding
 - Species
 - Location
 - Time and date of sighting
- IF you find a DEAD eastern spotted skunk
 - contact skunks@myfwc.com



For more information about skunks visit
www.myfwc.com/Skunks



Implementing your Erosion Control Plan is **essential** for the protection of natural resources



Take aways:

- ▶ Know your projects permits
- ▶ Implement your erosion and sediment control plan
- ▶ Know the protected species / habitat concerns within your project
- ▶ Ask questions



**Any
Questions?**

Reach out if any additional questions

Margaret “Maggie” Rushmore (District Construction Environmental Coordinator)

Office: (954)-777-4339

Cell: (954)-448-2880

Margaret.Rushmore@dot.state.fl.us