



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Permittee/Authorized Entity:

Indian River County
c/o Rich Szyrka
1801 27th Street
Vero Beach, FL 32960
rszyrka@ircgov.com

Indian River County Shooting Range

Authorized Agent:
G.K. Environmental, Inc.
c/o George Kulczycki
155 McKee Lane
Vero Beach, FL 32960
gke@me.com

State 404 Program Individual Permit

Indian River County
Permit No.: 31-0420933-001-SFI

Permit Issuance Date: August 8, 2023

Permit Expiration Date: August 8, 2028

State 404 Program Individual Permit

Permittee: Indian River County

Permit No: 31-0420933-001-SFI

PROJECT LOCATION

The activities authorized by this permit are located at 10455 102nd Terr., Sebastian, FL 32958, part of the Fleming Land Grant, Section 20 Township 31S and Range 38E in Indian River County, at Latitude N27° 46' 57.00", Longitude W-80° 32' 46.00".

PROJECT DESCRIPTION

The permittee is authorized to fill 0.78 acres of wetlands for improvements to the existing sporting clays course cart trails (i.e., golf cart path), which will be constructed with porous rock to allow for both vertical and horizontal hydrologic percolation.

To offset unavoidable impacts to wetlands that will occur from these authorized activities, the permittee shall purchase 0.50 palustrine emergent wetland credits from Basin 22 Mitigation Bank.

Authorized activities are depicted on the attached exhibits.

AUTHORIZATIONS

State 404 Program Individual Permit

The Department has determined that the activity qualifies for a State 404 Program Individual Permit. Therefore, the State 404 Program Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-331, Florida Administrative Code (F.A.C.).

Other Authorizations

You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS

The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these

conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit and sovereignty submerged lands authorization, as described.

SPECIFIC CONDITIONS

(1) All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. This permit shall expire on August 8, 2028 pursuant to 62-331.090(2), F.A.C. Any deviations must be authorized in a permit modification in accordance with rule 62-331.080, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.

SPECIFIC CONDITIONS - PRIOR TO ANY CONSTRUCTION

(2) After selection of the contractor to perform the authorized activities and prior to the initiation of any work authorized by this permit, the permittee (or authorized agent) and the contractor shall attend a pre-construction conference with a representative of the Department. It shall be the responsibility of the permittee to contact the Department's Compliance Assistance Program, by email SED_Compliance@FloridaDEP.gov, or by phone (561) 681-6600, to schedule the pre-construction conference.

(3) Staked erosion control devices shall be placed around the project area and any staging areas. All surface waters outside the specific limits of construction authorized by this permit shall be protected from erosion, siltation, sedimentation, and/or scouring. Staked erosion control devices shall be maintained and shall remain in place for the duration of project construction to ensure that turbid discharges into wetlands or surface waters do not occur. The permittee shall be responsible for ensuring that turbidity control devices are inspected daily and maintained in good working order during all phases of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent turbid discharges.

(4) Prior to initiation of any work authorized by this permit, all wetlands, surface waters, and storm drains outside the specific limits of construction authorized by this permit shall be protected from erosion, siltation, sedimentation, and/or scouring, including the placement of staked erosion control devices around the project area and staging area(s) that are located outside of any authorized impact areas.

(5) Prior to construction, the limits of impact shall be clearly marked in a way which is visible and obvious to anyone performing work on-site, including someone operating heavy equipment. Orange construction fence or tall flagged stakes along the construction limits are possible methods.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

(6) This permit authorizes permanent impacts to the wetland fill area shown in the attached permit drawings. No other areas are authorized to be impacted, which includes but is not limited to clearing with the use of heavy equipment, filling, or excavation.

(7) Any fill material used shall be clean fill and free of vegetative matter, trash, rebar, garbage, toxic or hazardous waste, or any other unsuitable materials.

(8) All storage or stockpiling of tools or materials (i.e. lumber, pilings, debris, etc.) shall be limited to uplands or within the impact areas authorized by this permit.

(9) The following measures shall be taken immediately by the permittee when turbidity levels within waters of the State surrounding the project site exceed 29 NTUs above background:

- a. Immediately cease work contributing to the water quality violation.
- b. Stabilize exposed soils contributing to the violation. Modify the work procedures responsible for the violation, install additional turbidity containment devices and repair non-functioning turbidity containment devices.
- c. Notify the Department within 24 hours of the time the violation is first detected.

(10) During construction, the stormwater system shall be inspected periodically for accumulation of debris, trash, and silt. Accumulations of debris, trash, and silt that negatively affect the function of the system shall be removed upon discovery.

SPECIFIC CONDITIONS – MITIGATION

(11) Prior to any construction or impacts authorized by this permit, the permittee shall provide the Department with documentation that 0.50 federal freshwater herbaceous mitigation credits have been deducted from the credit ledger of the Basin 22 Mitigation Bank.

SPECIFIC CONDITIONS - LISTED SPECIES

(12) The Department, in coordination with the US Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission, has assessed potential habitat and species information, geospatial data, and other available information for this project site. The Department has not received or discovered any information that the proposed project is reasonably expected to affect federally or state-listed threatened or endangered species or habitat critical to these species.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

(13) The permittee shall be responsible for the operation and maintenance of the stormwater management system. The stormwater management system shall be routinely inspected to ensure adequate performance. All drainage structures shall be routinely inspected as well, especially during and after a rain event. A maintenance schedule shall be implemented to ensure that the stormwater management system is functioning as designed.

SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS

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

GENERAL CONDITIONS FOR STATE 404 PROGRAM INDIVIDUAL PERMITS

(1) General Conditions under section 62-331.054, F.A.C.:

(a) The permittee shall comply with all conditions of the permit, even if that requires halting or reducing the permitted activity to maintain compliance. Any permit violation constitutes a violation of Part IV of Chapter 373, F.S., and this Chapter, as well as a violation of the CWA.

(b) The permittee shall take all reasonable steps to prevent any unauthorized dredging or filling in violation of this permit.

(c) The permittee shall timely notify the Agency of any expected or known actual noncompliance.

(d) Upon Agency request, the permittee shall provide information necessary to determine compliance status, or whether cause exists for permit modification, revocation, or termination.

(e) Inspection and entry. The permittee shall allow the Agency, upon presentation of proper identification, at reasonable times to:

1. Enter upon the permittee's premises where a regulated activity is located or where records must be kept under the conditions of the permit,
2. Have access to and copy any records that must be kept under the conditions of the permit,
3. Inspect operations regulated or required under the permit, and
4. Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location.

(2) Applicable General Conditions under section 62-330.350(1), F.A.C., modified to contain applicable references under Chapter 62-331, F.A.C. (remove those that are not applicable):

(a) All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-331.080, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.

(b) A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

(c) Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee,

Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

(d) At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (<http://www.flrules.org/Gateway/reference.asp?No=Ref-02505>), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

(e) Unless the permit is transferred under rule 62-331.100, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

(f) Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

1. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

2. For all other activities – "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].

3. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

(g) If the final operation and maintenance entity is a third party:

1. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

2. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

(h) The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

(i) This permit does not:

1. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in chapter 62-330, F.A.C.;
2. Convey to the permittee or create in the permittee any interest in real property;
3. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
4. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

(j) Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

(k) The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

(l) The permittee shall notify the Agency in writing:

1. Immediately if any previously submitted information is discovered to be inaccurate; and
2. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

(m) Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

(n) If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact

the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

(o) Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under rule 62-330.201, F.A.C., provides otherwise.

(p) The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under chapter 62-331, F.A.C., or cause violations of state water quality standards.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;

- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under [Sections 120.569](#) and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission

must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Permittee Signature

Pursuant to Rule 62-331.052(3)(a)1, a permit becomes effective when it is signed by both the applicant and the Department. Signing indicates, as permittee, you accept and agree to comply with the terms of this permit. You have **60 days after receipt of this proposed permit** with which to sign and return to the Department for final approval. Failure to return within this timeframe will result in administrative withdrawal of your permit application. After receipt of the signed proposal, the Department will return to you the final signed permit, listing the permit's effective date and expiration date.

(Permittee)

(Date)

(Permittee Name – Printed)

This permit becomes effective when the designated Department official has signed below.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Norva Blanding, MSEM
Program Administrator
Submerged Lands & Environmental
Resource Program

Attachments:

Project Drawings, 7 pages
Construction Commencement Notice/Form 62-330.350(1)
Construction Completion and Inspection Certification for Activities Associated With a
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)
Request for Transfer to the Perpetual Operation Entity/Form 62-330.310(2)
Request to Transfer Permit/Form 62-330.340(1)
Operation and Maintenance Inspection Certification/Form 62-330.311(1)

Copies furnished to:

Indian River County Engineering- Infrastructure Project Manager, Rob Skok, rskok@ircgov.com
U.S. Environmental Protection Agency
FDEP- Norva Blandin, Danielle Sattelberger, David White, Ariel Duhart, SED_Compliance@dep.state.fl.us

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of
business on August 8th, 2023, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

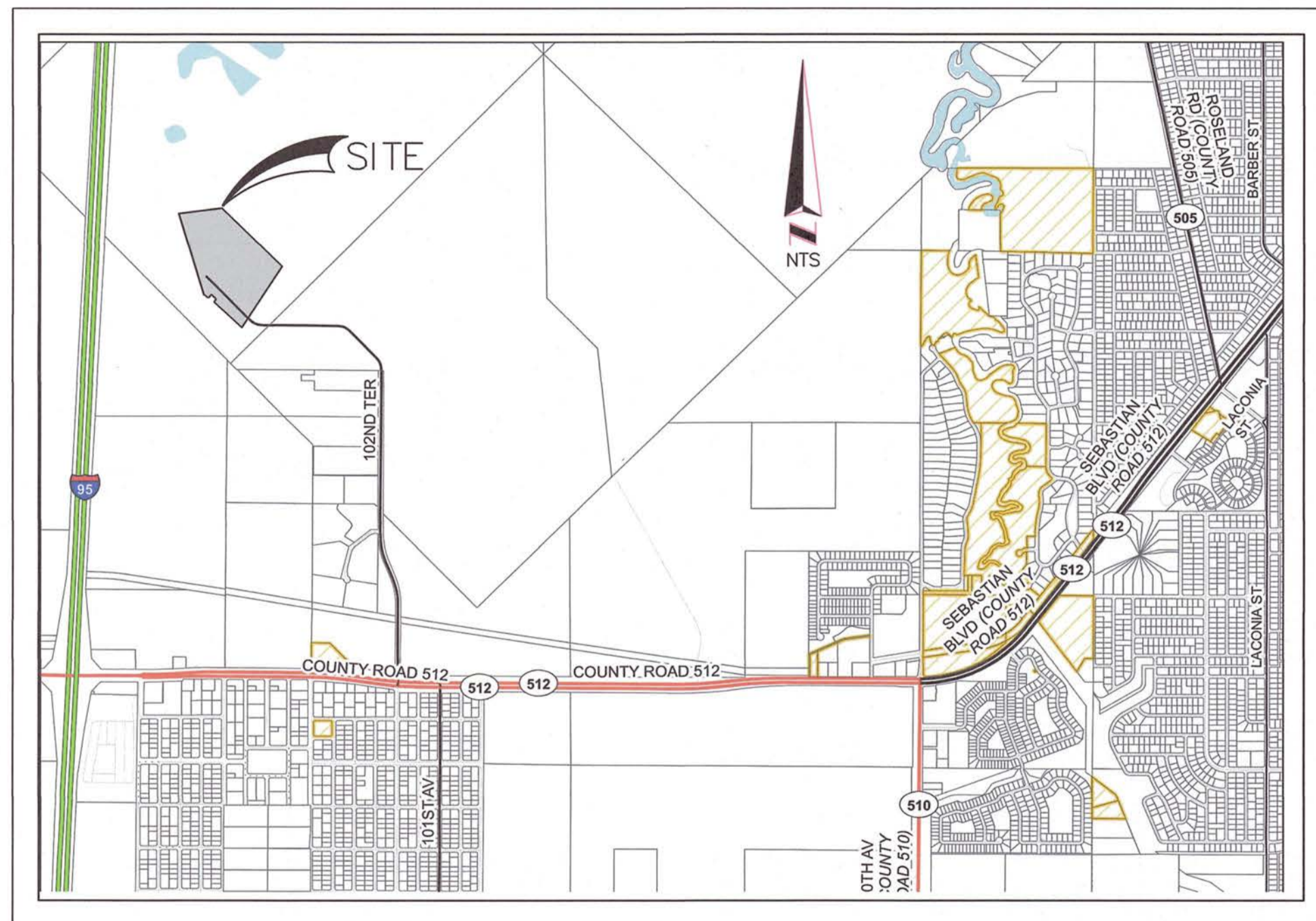
Kameil Akbar

INDIAN RIVER COUNTY
BOARD OF COUNTY COMMISSIONERS
SPORTING CLAYS FACILITY IMPROVEMENTS
INDIAN RIVER COUNTY PUBLIC SHOOTING RANGE
 COUNTY PROJECT #1847



PREPARED BY
 INDIAN RIVER COUNTY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION
 1801 27TH STREET, VERO BEACH, FLORIDA 32960

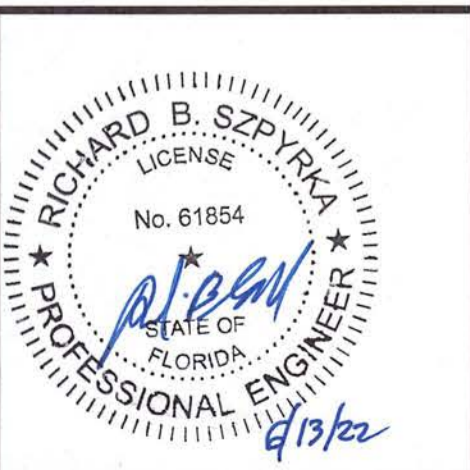
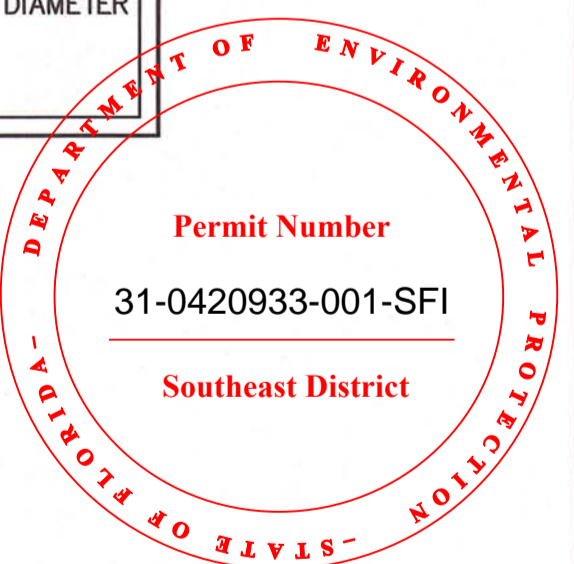
PREPARED FOR
 THE BOARD OF COUNTY COMMISSIONERS
 INDIAN RIVER COUNTY, FLORIDA
 JOSEPH E. FLESCHER, CHAIRMAN
 PETER D. O'BRYAN, VICE CHAIRMAN
 COMMISSIONER SUSAN ADAMS
 COMMISSIONER JOE EARMAN
 COMMISSIONER LAURA MOSS
 JASON E. BROWN, COUNTY ADMINISTRATOR
 RICHARD B. SZPYRKA, PUBLIC WORKS DIRECTOR
 JAMES W. ENNIS, ASSISTANT PUBLIC WORKS DIRECTOR



Location Map

SHEET INDEX	
1	COVER SHEET
2	GENERAL NOTES AND STANDARD ABBREVIATIONS
3	TYPICAL SECTIONS AND SITE DATA
4	PLAN SHEET TRAIL No. 1
5	PLAN SHEET TRAIL No. 2
6	SWPPP
7	TOPOGRAPHIC SURVEY WITH AERIAL

PLAN REVISION SUMMARY	
△	REVISE SHOOTING STATION LOCATIONS 1-01, 1-06, 1-14, 1-15, 1-18, 1-19, AND 1-20 TRAIL No. 1, SHEET 4 OF 7 05/11/2022
△	REVISE SHOOTING STATION LOCATIONS 2-03, 2-04, 2-08 AND 2-09 TRAIL No. 2, SHEET 5 OF 7 05/11/2022
△	REVISE ITEM No.4 ON SUMMARY TABLE, SHEET 3 OF 7 06/10/2022
△	ADDED NOTE No. 6 / TYPICAL SECTION A-A AND ITEM No. 4 ON SUMMARY TABLE ADDED (1" TO 2" NOMINAL DIAMETER SCREENED), SHEET 3 OF 7 / 06/13/2022



NO.	REVISION	DATE	BY	INDIAN RIVER COUNTY 1801 27TH STREET VERO BEACH, FL 32960 (772) 567-8000	DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	CHECKED BY: R. SKOK DRAWN BY: R. INGLETT APPROVED BY: R. SZPYRKA	SECTION: 25/26 TOWNSHIP: RANGE:	FIELD BOOK: N/A PAGE: N/A	DATE: 12/29/2021	PROJECT NUMBER: IRC-1847	Sporting Clays Facility Improvements For The Indian River County Public Shooting Range Section's 25 and 26, Flemming Grant	SHEET 1 OF 7
-----	----------	------	----	---	--	--	---------------------------------------	------------------------------	------------------	--------------------------	--	-----------------------


AASHTO American Association of State Highway and Transportation Officials
 Abd. Abandoned
 AC or Asph. Conc. Asphaltic Concrete
 Adj. Adjust
 Al. Aluminum
 Approx. Approximate
 Asph. Asphalt
 ASTM American Society for Testing Materials
 Ave. Avenue
 B/C, B.C. Back of Curb
 BCCMP Bituminous Coated Corrugated Metal Pipe
 BE Buried Electric
 Beg. Begin
 Bk. Back
 BL, BLC Base Line, Base Line Control
 Bldg. Building
 Blvd. Boulevard
 BM Benchmark
 Brg. Bearing
 BT Buried Telephone Cable or Duct
 C & G Curb and Gutter
 CAP Corrugated Aluminum Pipe
 CATV Cable Television
 CB Catch Basin
 CBC Concrete Box Culvert
 CBS Concrete Box Structure
 CD Cross Drain
 CI Cast Iron
 CIP Cast Iron Pipe
 CIPL Cast in Place
 Cl. or Clear Clearance
 CL, C/L or C Center Line
 CM Concrete Monument
 CMP Corrugated Metal Pipe
 CMPA Corrugated Metal Pipe Arch
 Co. County or Company
 Con. Connect or Connection
 Conc. Concrete
 Const. Construct or Construction
 Contr. Contractor
 Coord. Coordinate
 Cor. Corner
 CP Concrete Pipe
 Culv. Culvert
 CY Cubic Yard
 D Degree of Curvature
 DBI Ditch Bottom Inlet
 Dept. Department
 DT Ditch
 Dia. or D Diameter
 DIP Ductile Iron Pipe
 DOT Department of Transportation
 Dr. or DR. Drive
 Drwy. Driveway
 Dwg. Drawing

E El. or Elev.
 Elec. Electric
 Engr. Engineer
 EOP Edge of Pavement
 Eq. Equation or Equal
 ERCP Elliptical Reinforced Concrete Pipe
 Esmt. Easement
 Est. or Estm. Estimate
 EW Excavation
 Exc. or Excav. Existing
 Exist. Existing
 F or Final Final Quantity
 FDOT Florida Department of Transportation
 FE Floor Elevation
 FH Fire Hydrant
 FM Force Main
 FOC Fiber Optics Cable
 GM Gas Main
 GPS Global Positioning System
 Gr. Grade, Guardrail or Grate
 Hdwl. Headwall
 Hndrl. Handrail
 Hse. House
 Hwy. Highway
 I.R.F.W.C.D. Indian River Farms Water Control District
 Inv. Invert
 IP Iron Pipe
 L Length, Length of Curve, Left
 LBR Limerock Bearing Ratio
 LF Linear Foot/Feet
 Lt. Left
 Max. Maximum
 MES Mitered End Section
 MH Manhole
 MPH or mph Miles Per Hour
 N North
 NA or N/A Not Applicable
 N & C Nail & Cap
 NGVD National Geodetic Vertical Datum of 1929
 NIC Not in Contract
 NTS Not to Scale
 OC or O.C. On Center
 OE Overhead Electric
 OH Overhead

P or Plan Plan Quantity
 Pavt. Pavement
 PC Point of Curvature
 PCC Point of Compound Curvature
 PE Professional Engineer
 PERF. Perforated
 PGL Profile Grade Line
 PI Point of Intersection
 PL or P Property Line
 PP Power Pole
 PRC Point of Reverse Curvature
 Proj. Project
 PRM Permanent Reference Monument
 PSI or psi Pounds Per Square Inch
 PT Point of Tangency
 PVC Polyvinyl Chloride
 PVI Point of Vertical Intersection
 R or Rad. Radius
 R or Rng. Range
 RCP Reinforced Concrete Pipe
 RCPA Reinforced Concrete Pipe Arch
 Rd. Road
 Req. or Reqd. Required
 Res. Residence
 RR Railroad
 Rt. Right
 R/W, ROW Right of Way
 S South
 SAN or San. Sanitary
 SD Side Drain, Storm Drain
 Sect. Section
 Sht. Sheet
 Shldr. Shoulder
 Spec. Specification
 Sq. Ft., SF or S.F. Square Foot
 Sq. Yd., SY or S.Y. Square Yard
 SR or S.R. State Road
 SS Sanitary Sewer
 St. or ST. Street
 Sta. Station
 SW or Swk. Sidewalk
 T Tangent
 T, TWP or Twp. Township
 TBM Temporary Bench Mark
 TCE Temporary Construction Easement
 Tel. Telephone
 Typ. Typical
 UG Underground
 Util. Utilities
 VC Vertical Curve
 W West
 WM Water Main
 Xsec. Cross Section

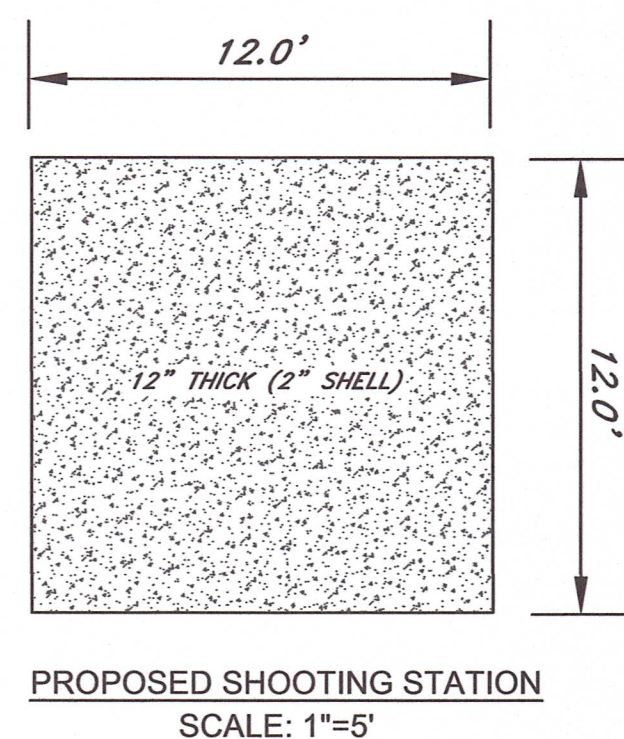
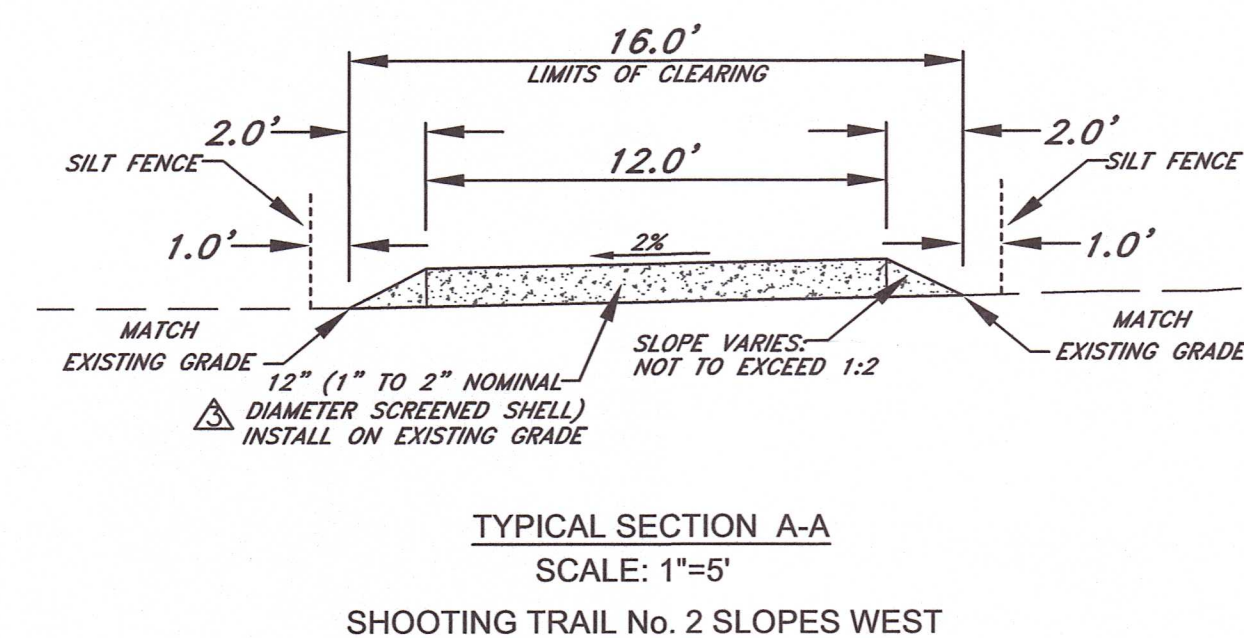
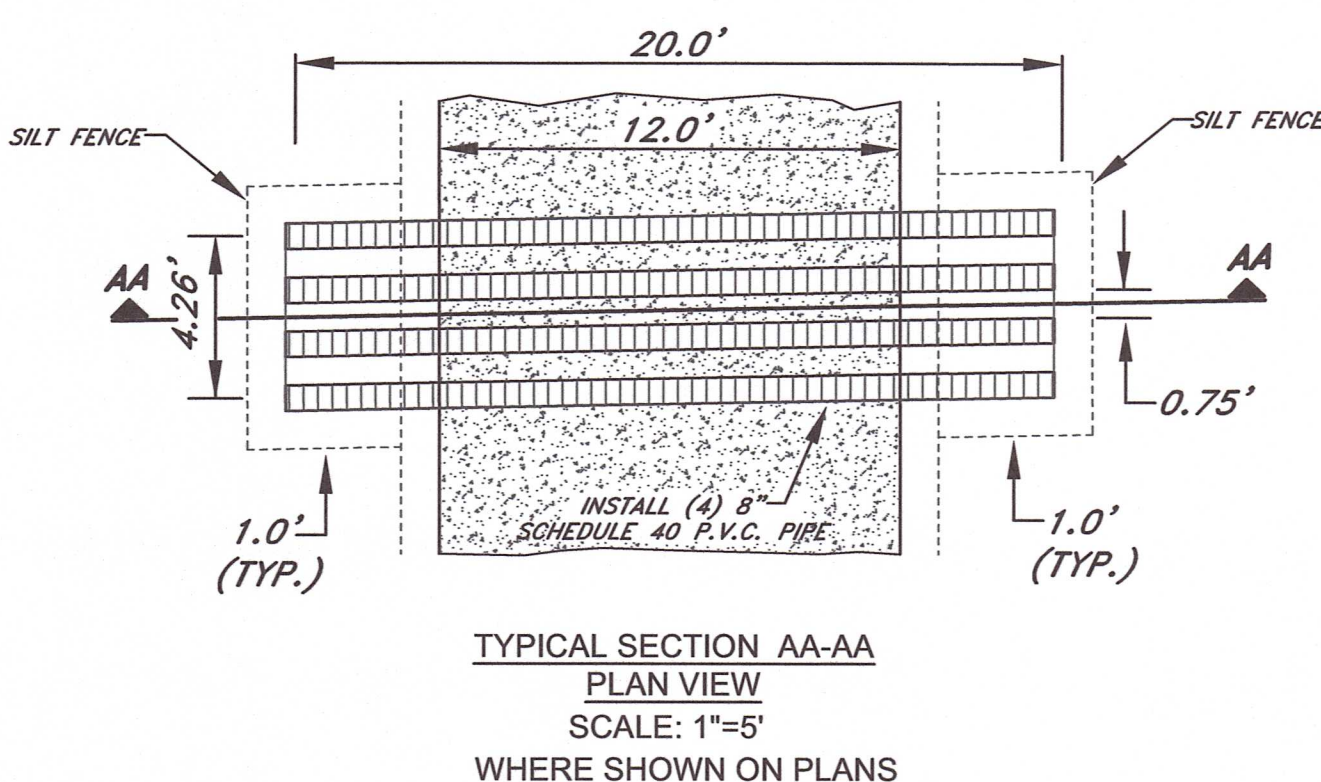
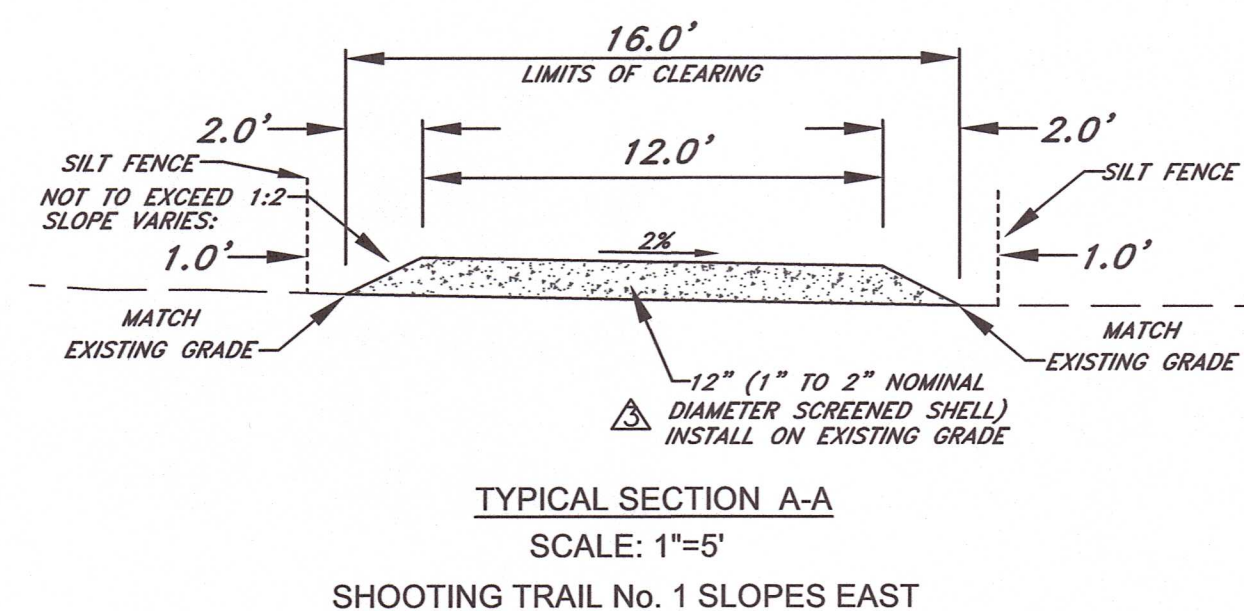
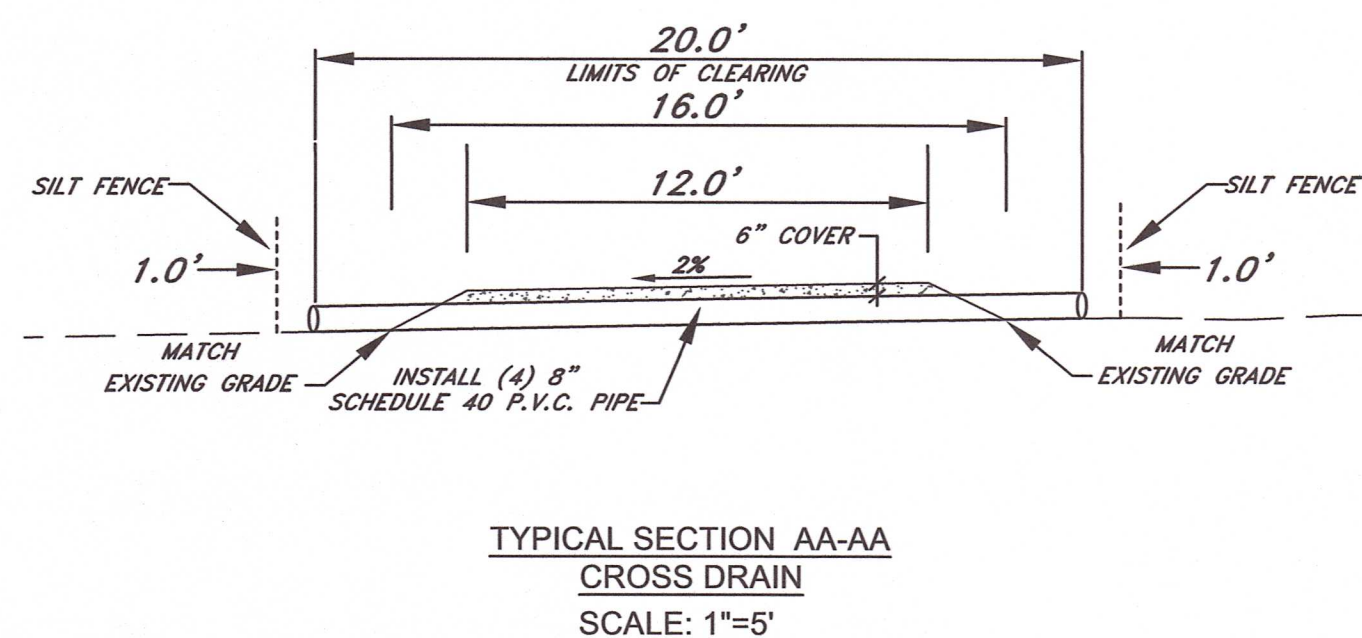
- CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE COUNTY BEFORE COMMENCING WORK.
- CONTRACTOR SHALL OBTAIN COPIES OF ALL REQUIRED PERMITS BEFORE COMMENCING WORK. CONTRACTOR SHALL REVIEW ALL PERMIT CONDITIONS AND PERFORM ALL WORK IN ACCORDANCE WITH SAID CONDITIONS.
- NO FIELD CHANGES OR DEVIATIONS FROM THE APPROVED PLANS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE COUNTY.
- EROSION CONTROL FENCING MUST BE IN PLACE PRIOR TO ANY GROUND DISTURBANCE.
- CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE PROJECT PLANS AND SPECIFICATIONS AND ALL LOCAL, STATE AND FEDERAL AGENCY REQUIREMENTS FOR CONSTRUCTION OF THE PROPOSED IMPROVEMENTS PRIOR TO CONSTRUCTION.
- THE PRESENCE OF GROUND WATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR SHALL PLAN ACCORDINGLY.
- CONSTRUCTION STAKING SHALL BE PERFORMED BY THE CONTRACTOR.
- IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN THE BASELINE OF CONSTRUCTION THROUGHOUT THE PROJECT.
- ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL INFORM THE COUNTY, IN WRITING, IMMEDIATELY UPON ANY ENCOUNTERED CONFLICTS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL KEEP AND MAINTAIN RECORD DRAWINGS OF THE PROJECT SITE AT ALL TIMES WHICH SHALL BE ANNOTATED BY THE CONTRACTOR DEPICTING ANY CHANGES MADE IN THE FIELD WHICH DIFFER FROM THE CONTRACT DRAWINGS, RECORD DRAWINGS SHALL INCLUDE, BUT NOT LIMITED TO, INVERT ELEVATIONS OF CULVERTS. CONTRACTOR SHALL SUBMIT COMPLETE AND FINAL RECORD DRAWINGS TO ENGINEER UPON COMPLETION OF PROJECT AND PRIOR TO FINAL INSPECTION AND FINAL PAYMENT.



NO.	REVISION	DATE	BY	INDIAN RIVER COUNTY 1801 27TH STREET VERO BEACH, FL 32960 (772) 567-8000	 DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	CHECKED BY: R. SKOK	SECTION: 25/26	FIELD BOOK: N/A	DATE: 12/29/2021	Sporting Clays Facility Improvements For The Indian River County Public Shooting Range Section's 25 and 26, Flemming Grant	SHEET 2 OF 7
						DRAWN BY: R. INGLETT	TOWNSHIP:	PAGE: N/A	PROJECT NUMBER: IRC-1847		
						APPROVED BY: R. SZPYRKA	RANGE:				

GENERAL NOTES:

- ELEVATIONS - ALL ELEVATIONS AND BENCHMARK INFORMATION REFER TO THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD88).
- ANY GOVERNMENTAL LAND CORNER OR SURVEY MONUMENTATION WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY:
INDIAN RIVER COUNTY SURVEYOR - DAVID SCHRYVER
(772) 226-1386
- THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE-CALL" AT 1-800-432-4770, 48 HOURS PRIOR TO DIGGING FOR FIELD LOCATION OF UNDERGROUND UTILITIES.
- ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE COUNTY, STATE OR FEDERAL REGULATIONS AND/OR CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LICENSES REQUIRED PRIOR TO INITIATING WORK.
- ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
- △ SHELL SHALL BE SCREENED WITH A NOMINAL DIAMETER OF 1 TO 2 INCHES.



Item No.	Description	Quantity	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		
2	EROSION AND WATER POLLUTION CONTROL	1	LS		
3	SELECTIVE CLEARING AND GRUBBING	1	LS		
4	1" TO 2" NOMINAL DIAMETER SCREENED SHELL, 12" THICK IN PLACE	3,100	CY		
5	8" SCHEDULE 40 P.V.C. (20' LENGTHS) (4 PER LOCATION)	2,960	LF		
6	ADS HDPE STORM (18" DIAMETER)	30	LF		
7	SILT - FENCE	8,320	LF		
8	RECORD DRAWINGS/AS-BUILT DRAWINGS	1	LS		

SITE DATA

PROJECT NAME: INDIAN RIVER COUNTY PUBLIC SHOOTING RANGE SPORTING CLAYS COURSE EXPANSION

PROJECT ADDRESS: 10455 102ND TERRACE SEBASTIAN, FL 32958

INTENDED USE: SHOTGUN SPORTING CLAYS COURSE

OWNER/APPLICANT: INDIAN RIVER COUNTY PUBLIC WORKS DEPARTMENT RICHARD B. SZPYRKA, P.E., PUBLIC WORKS DIRECTOR 1801 27TH STREET VERO BEACH, FL 32960 (772) 226-1234

TAX PARCEL NO. 00-30-38-00001-0250-00001.0

ZONING/FUTURE LAND USE: A-1/C-1

START & COMPLETION DATES: MARCH 2022 / JUNE 2022

FLOOD ZONE: FLOOD ZONE 'X' AND 'A' - MAP NUMBER 12061C0095 H (DATED DECEMBER 4, 2012)

AREA OF DEVELOPMENT

LENGTH OF TRAIL #1 = 2,261 LENGTH FEET
 LENGTH OF TRAIL #2 = 1,450 LENGTH FEET
 3,711 TOTAL LENGTH FEET

AREA OF CUL-DE-SACS = 1460 SQUARE FEET
 TRAIL AREA = 59,376 SQUARE FEET
 SHOOTING STATIONS AREA = 5,184 SQUARE FEET
 TOTAL AREA OF DEVELOPMENT = 66,020 SQUARE FEET (1.52 ACRES)
 AREA OF WETLAND IMPACT = 33,375 SQUARE FEET (0.78 ACRES)

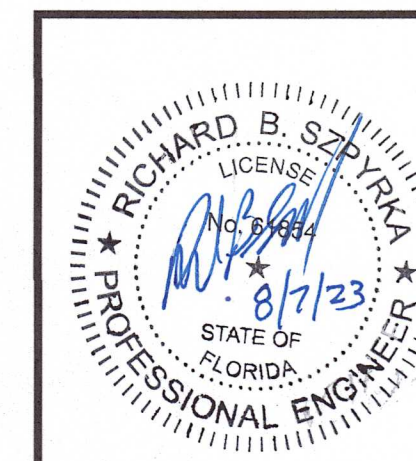
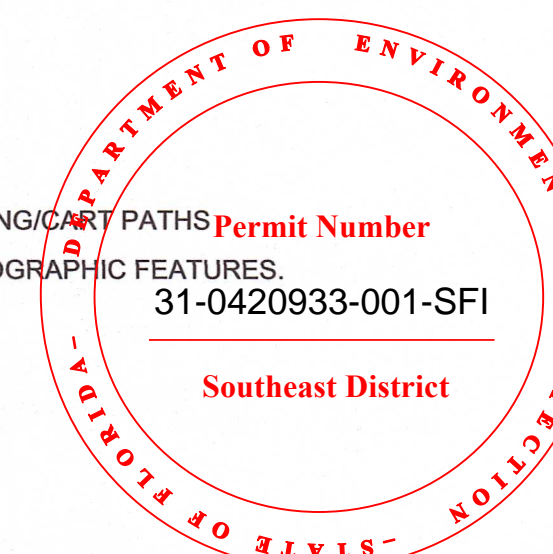
REQUIRED PERMITS

I.R.C. SITE PLAN (ADMINISTRATIVE APPROVAL)
 ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ERP PERMIT
 FDEP 404

PROJECT INFORMATION

PROJECT CONSISTS OF THE CONSTRUCTION OF 16' WIDE, 2" SHELL WALKING PATHS AND 35 SHOOTING STATIONS WINDING AROUND EXISTING TREE AND TOPOGRAPHIC FEATURES. NO TREES OVER 4" IN DIAMETER. WILL BE REMOVED.

Permit Number
 31-0420933-001-SFI
 Southeast District



NO.	REVISION	DATE	BY
4	REVISED AREA OF IMPACT PER FDEP	08/07/2023	RLI
2	REVISE ITEM No. 4 ON SUMMARY TABLE	06/10/2022	RLI
3	ADDED NOTE No. 6 / TYPICAL SECTION A-A AND ITEM No. 4 ON SUMMARY TABLE	06/13/2022	RLI
	ADDED (1" TO 2" NOMINAL DIAMETER SCREENED)		

INDIAN RIVER COUNTY
 1801 27TH STREET
 VERO BEACH, FL 32960
 (772) 567-8000



DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION

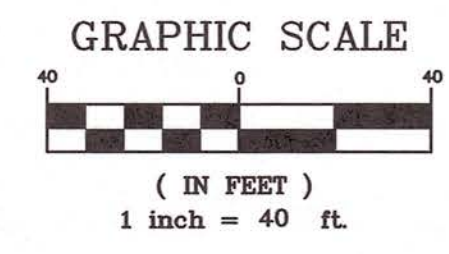
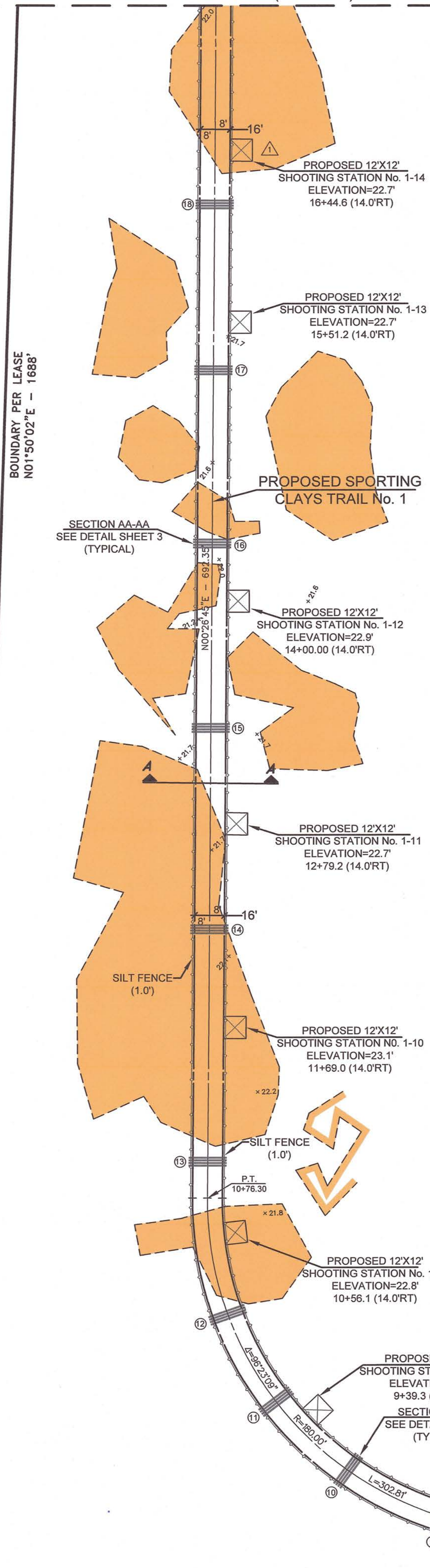
CHECKED BY: R. SKOK	SECTION: 25/26	FIELD BOOK: N/A	DATE: 12/29/2021
DRAWN BY: R. INGLETT	TOWNSHIP:	PAGE: N/A	PROJECT NUMBER: IRC-1847
APPROVED BY: R. SZPYRKA	RANGE:		

Sporting Clays Facility Improvements
 For the Indian River County Public Shooting Range
 Section's 25 and 26, Flemming Grant

SHEET
 3
 OF
 7

INTERSTATE 95

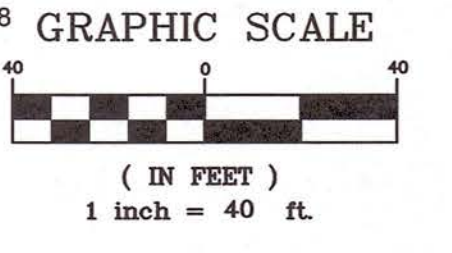
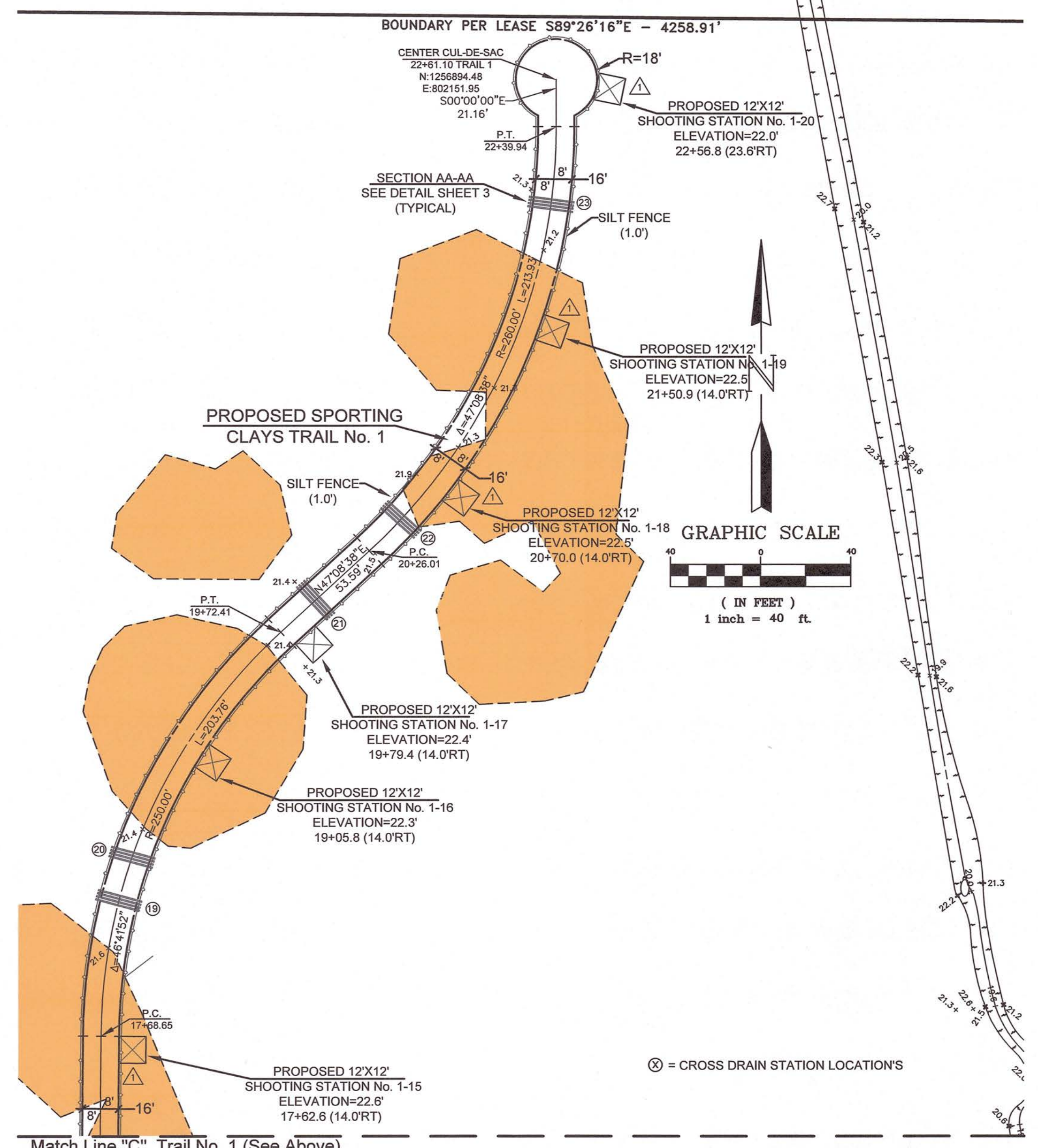
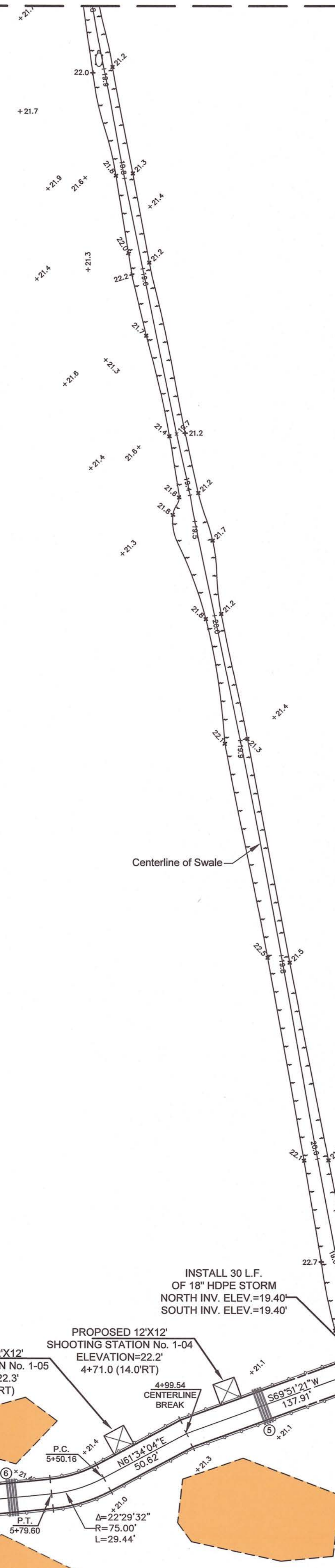
Match Line "C" Trail No. 1 (See Below)



PROPOSED SPORTING CLAYS TRAIL No. 1
TYPICAL SECTION AA-AA
CROSS DRAIN STATION LOCATIONS

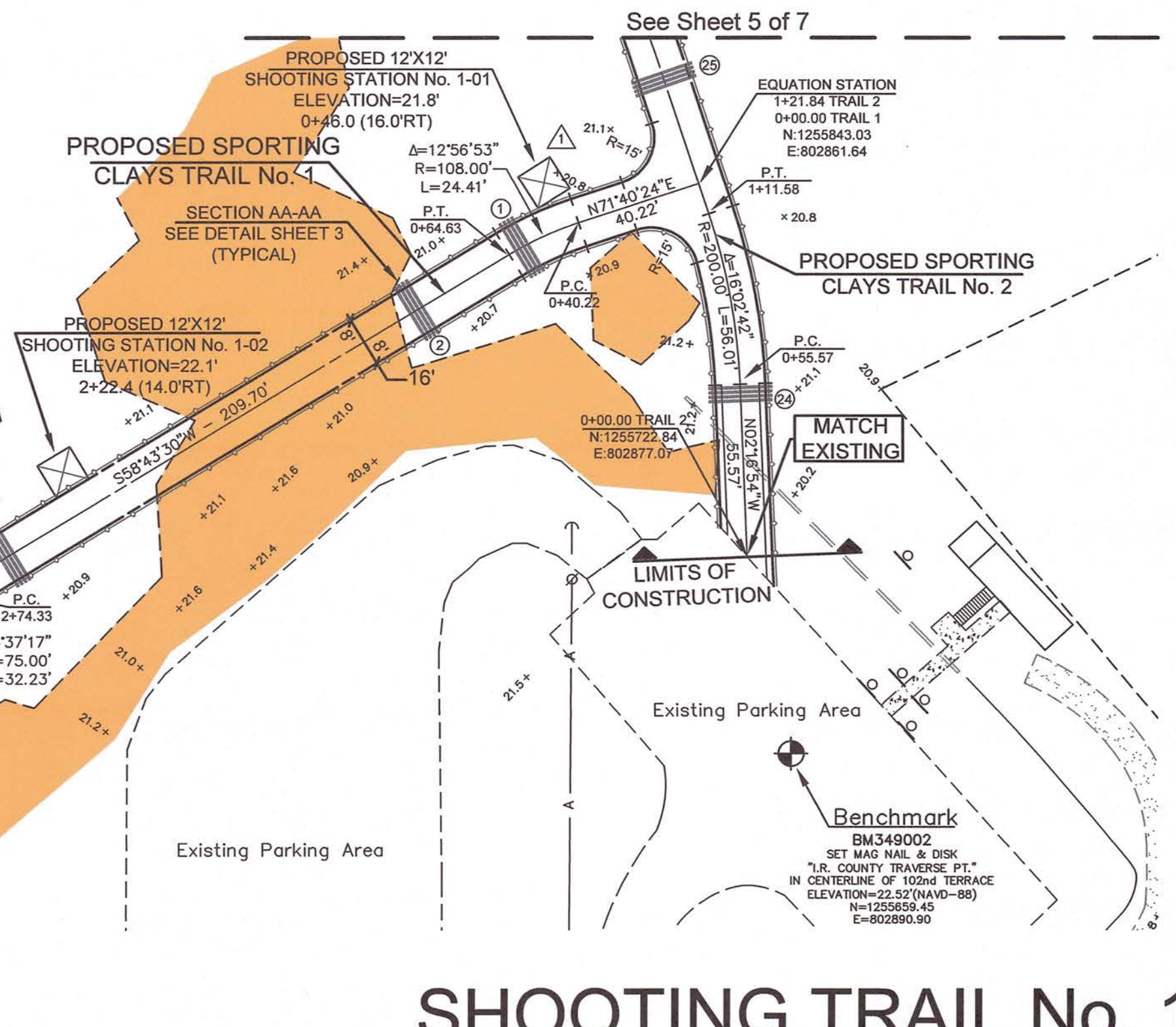
CROSS DRAIN	STATION
1	0+60.00
2	0+99.00
3	2+52.00
4	3+12.00
5	4+56.00
6	6+00.00
7	6+89.00
8	7+93.00
9	8+48.00
10	9+04.00
11	9+58.00
12	10+12.00
13	10+96.00
14	12+22.00
15	13+30.00
16	14+30.00
17	15+25.00
18	16+15.00
19	18+30.00
20	18+50.00
21	19+94.00
22	20+45.00
23	22+05.00

⊙ = CROSS DRAIN STATION LOCATIONS
 = UPLAND AREA



⊙ = CROSS DRAIN STATION LOCATIONS

Match Line "C" Trail No. 1 (See Above)



PROPOSED SPORTING CLAYS TRAIL No. 2
TYPICAL SECTION AA-AA
CROSS DRAIN STATION LOCATIONS

CROSS DRAIN	STATION
24	0+52.00
25	1+57.00
26	2+77.00
27	3+70.00
28	4+80.00
29	5+47.00
30	6+35.08
31	7+80.00
32	9+15.00
33	9+90.00
34	11+00.00
35	12+00.00
36	14+25.00
37	14+25.00

⊙ = CROSS DRAIN STATION LOCATIONS
 = UPLAND AREA

SHOOTING TRAIL No. 1

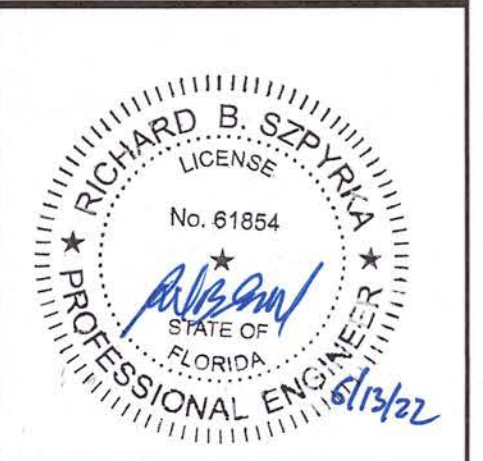
Sporting Clays Facility Improvements
For The Indian River County Public Shooting Range
Section's 25 and 26, Fleming Grant

NO.	REVISION	DATE	BY
1	ADJUST LOCATIONS OF PROPOSED SHOOTING STATIONS ON TRAIL No. 1	05/11/2022	RLI

INDIAN RIVER COUNTY
1801 27TH STREET
VERO BEACH, FL 32960
(772) 567-8000


DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

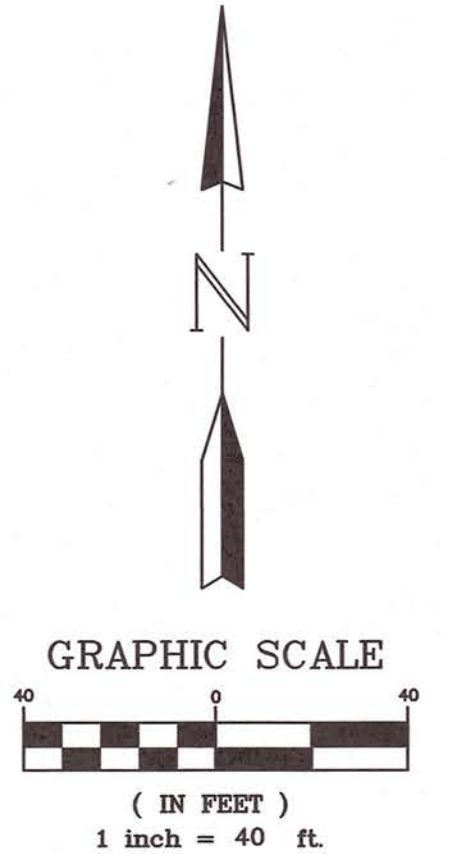
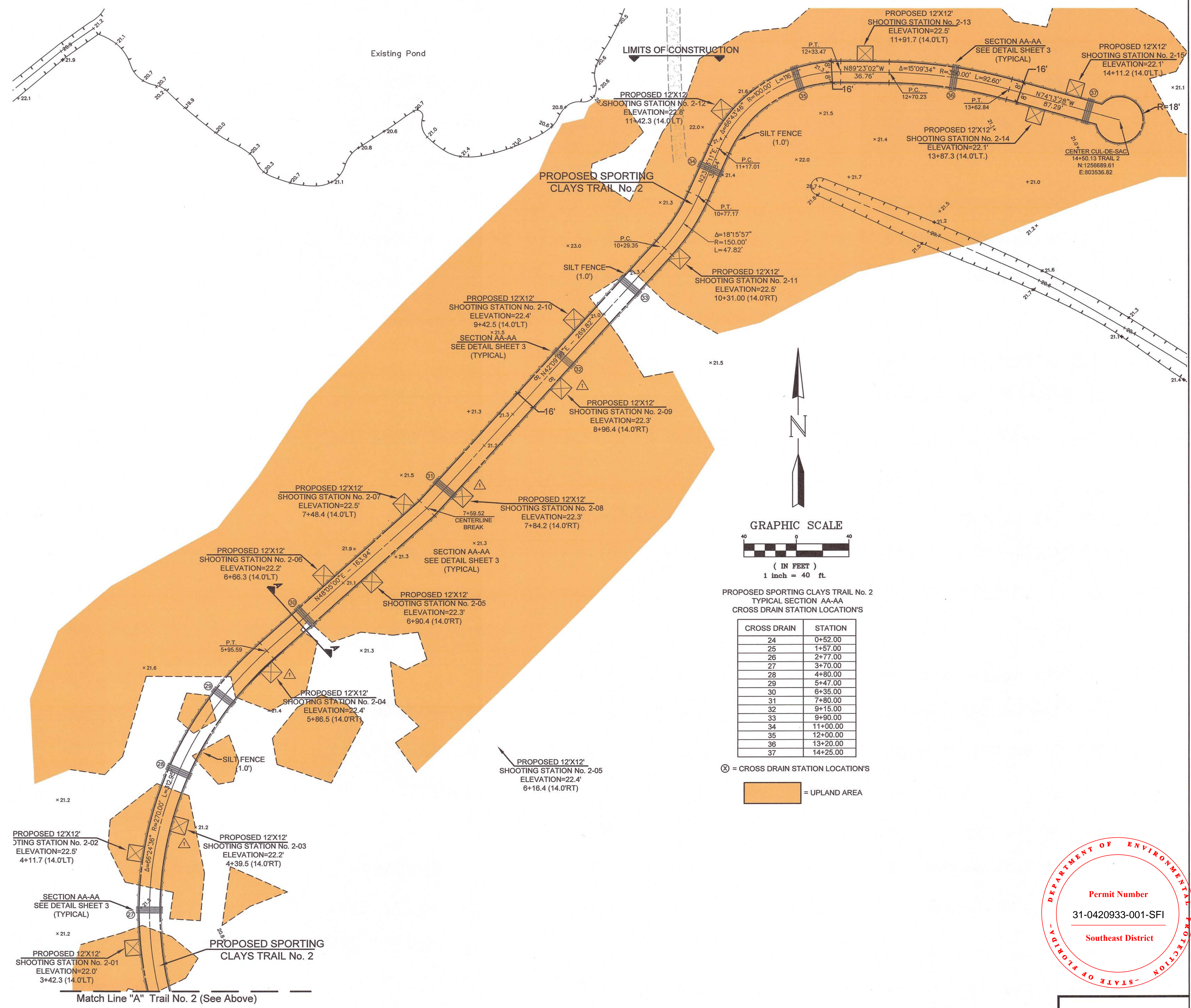
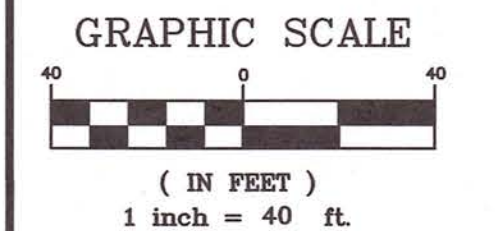
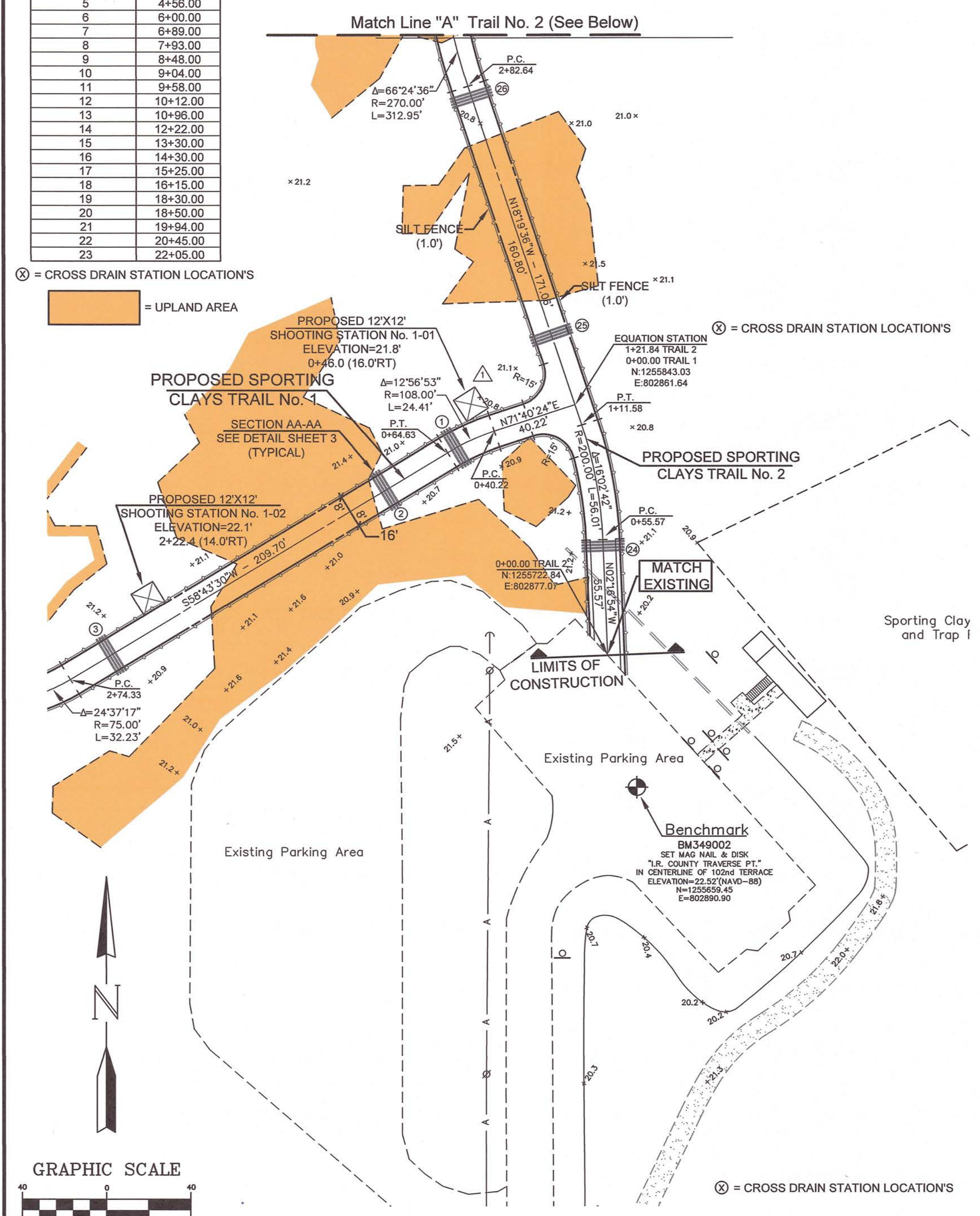
CHECKED BY: R. SKOK	SECTION: 25/26	FIELD BOOK: N/A	DATE: 12/29/2021
DRAWN BY: R. INGLETT	TOWNSHIP: N/A	PAGE: N/A	PROJECT NUMBER: IRC-1847
APPROVED BY: R. SZPYRKA	RANGE: N/A		



PROPOSED SPORTING CLAYS TRAIL No. 1
TYPICAL SECTION AA-AA
CROSS DRAIN STATION LOCATION'S


CROSS DRAIN	STATION
1	0+60.00
2	0+99.00
3	2+52.00
4	3+12.00
5	4+56.00
6	6+00.00
7	6+89.00
8	7+93.00
9	8+48.00
10	9+04.00
11	9+58.00
12	10+12.00
13	10+96.00
14	12+22.00
15	13+30.00
16	14+30.00
17	15+25.00
18	16+15.00
19	18+30.00
20	18+50.00
21	19+94.00
22	20+45.00
23	22+05.00

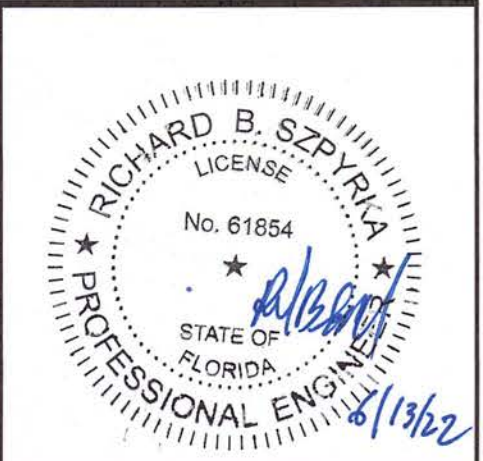
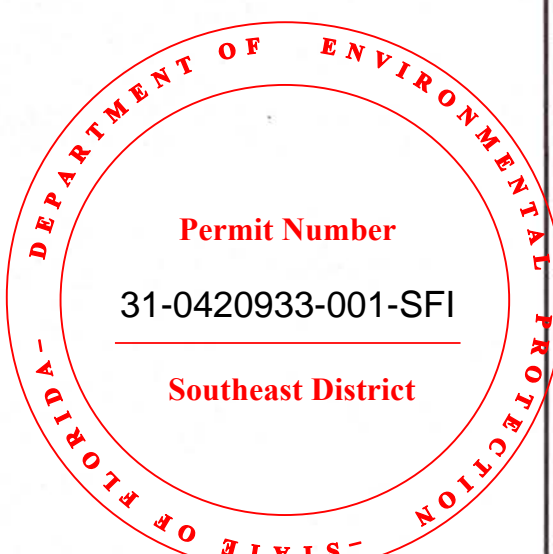
⊗ = CROSS DRAIN STATION LOCATION'S
 = UPLAND AREA



PROPOSED SPORTING CLAYS TRAIL No. 2
TYPICAL SECTION AA-AA
CROSS DRAIN STATION LOCATION'S

CROSS DRAIN	STATION
24	0+52.00
25	1+57.00
26	2+77.00
27	3+70.00
28	4+80.00
29	5+47.00
30	6+35.00
31	7+80.00
32	9+15.00
33	9+90.00
34	11+00.00
35	12+00.00
36	13+20.00
37	14+25.00

⊗ = CROSS DRAIN STATION LOCATION'S
 = UPLAND AREA



SHOOTING TRAIL No. 2

Sporting Clays Facility Improvements
For The Indian River County Public Shooting Range
Section's 25 and 26, Fleming Grant

NO.	REVISION	DATE	BY
1	ADJUST LOCATIONS OF PROPOSED SHOOTING STATIONS ON TRAIL No. 2	05/11/2022	RLI

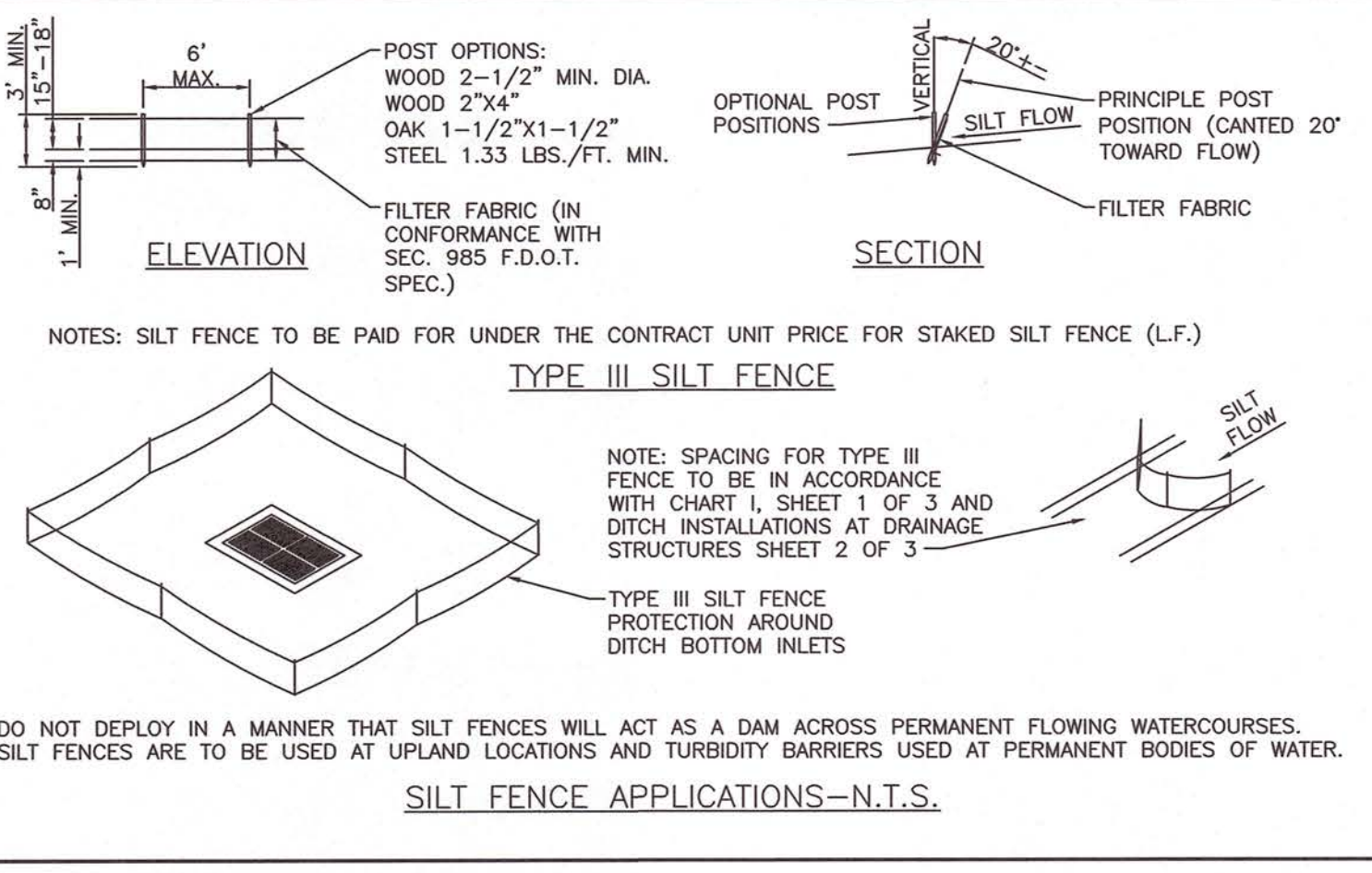
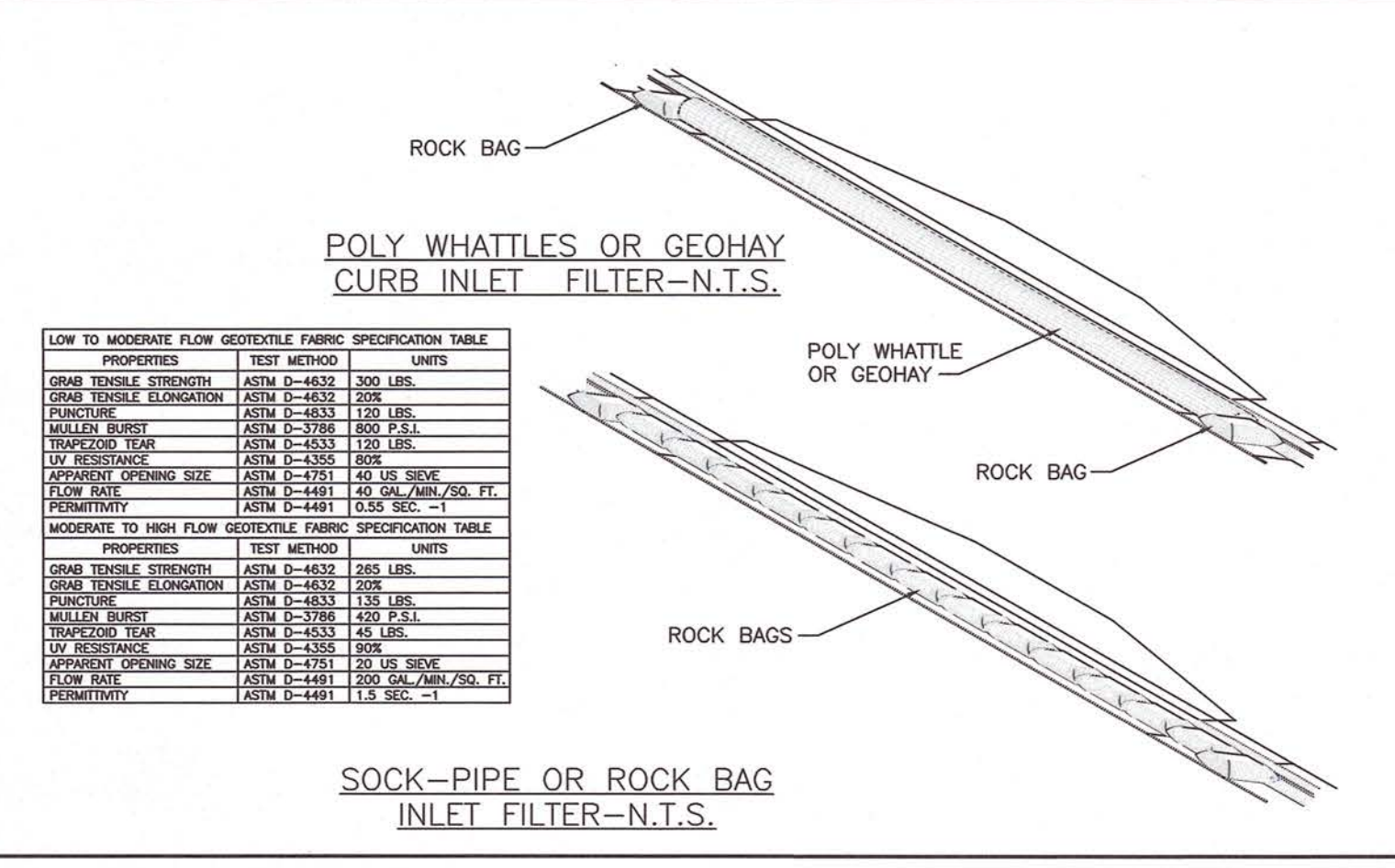
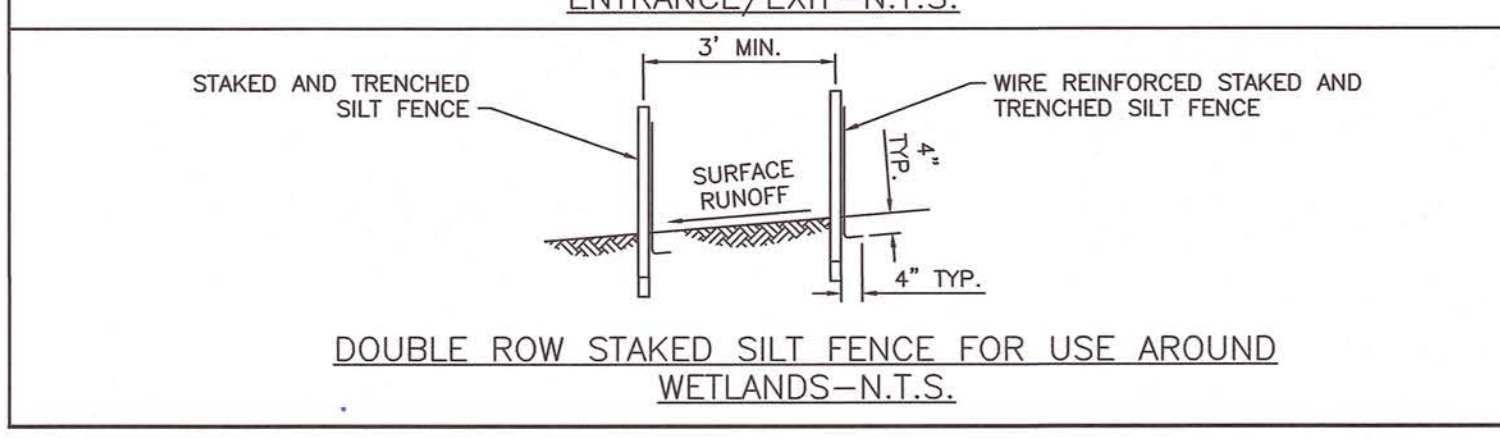
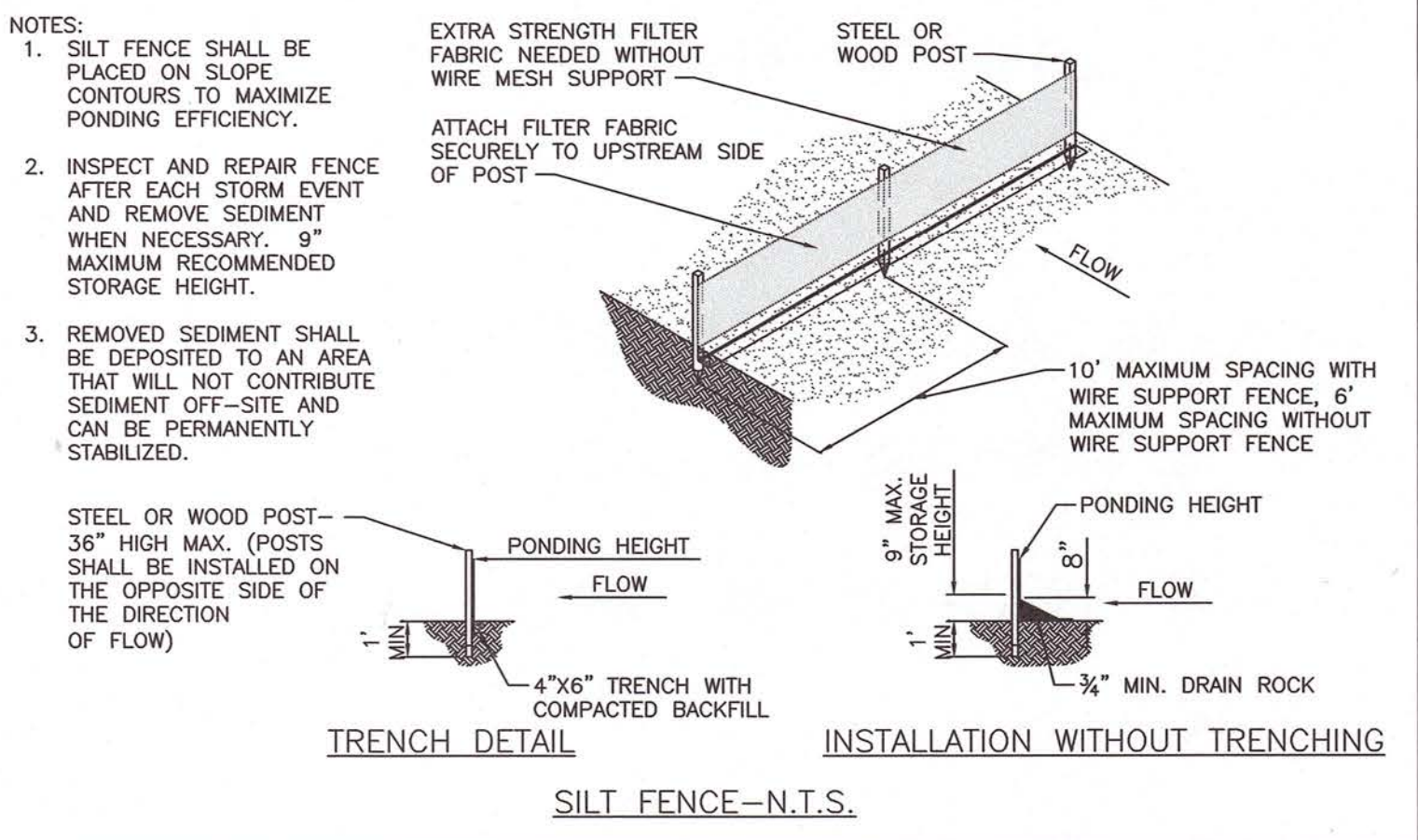
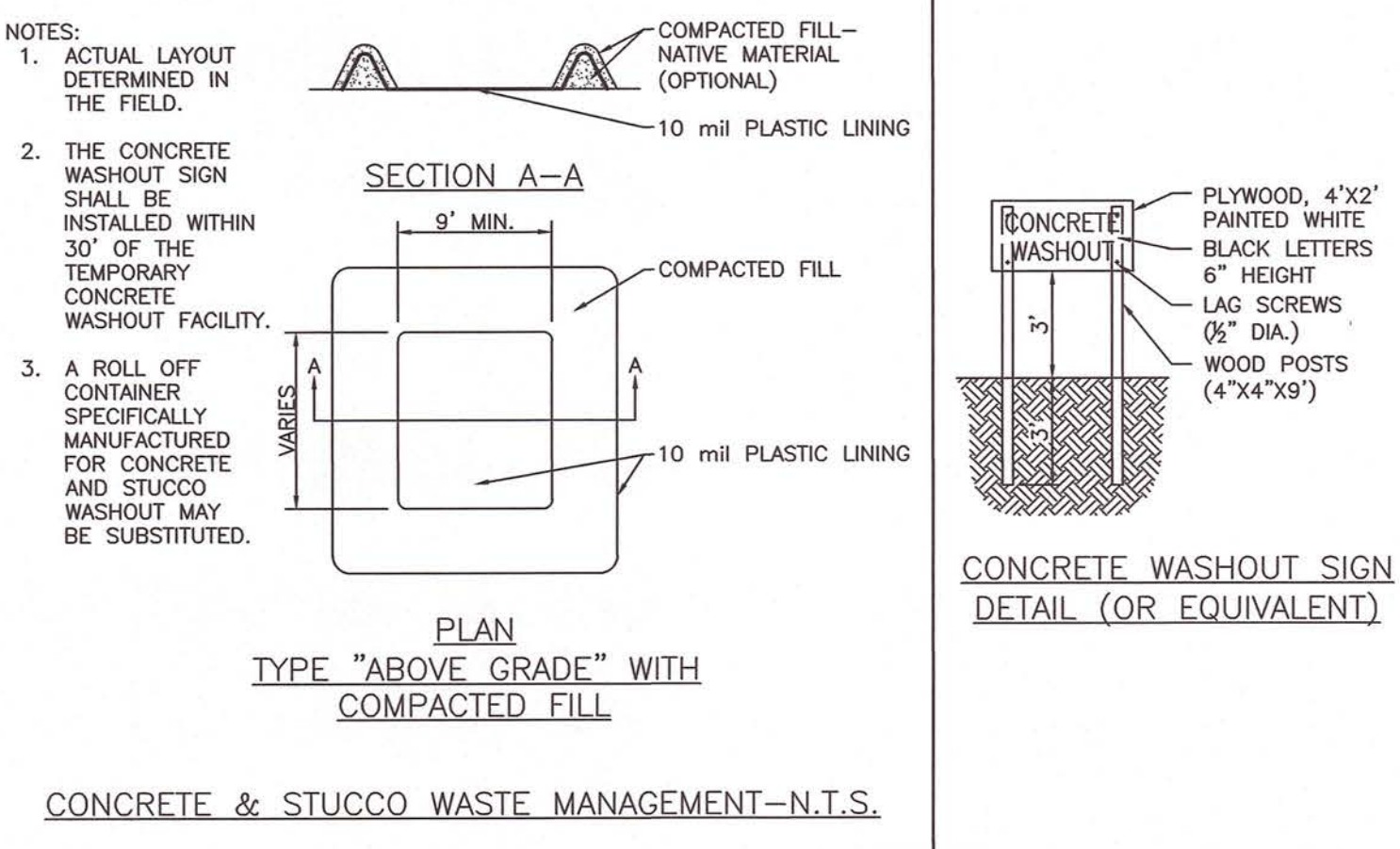
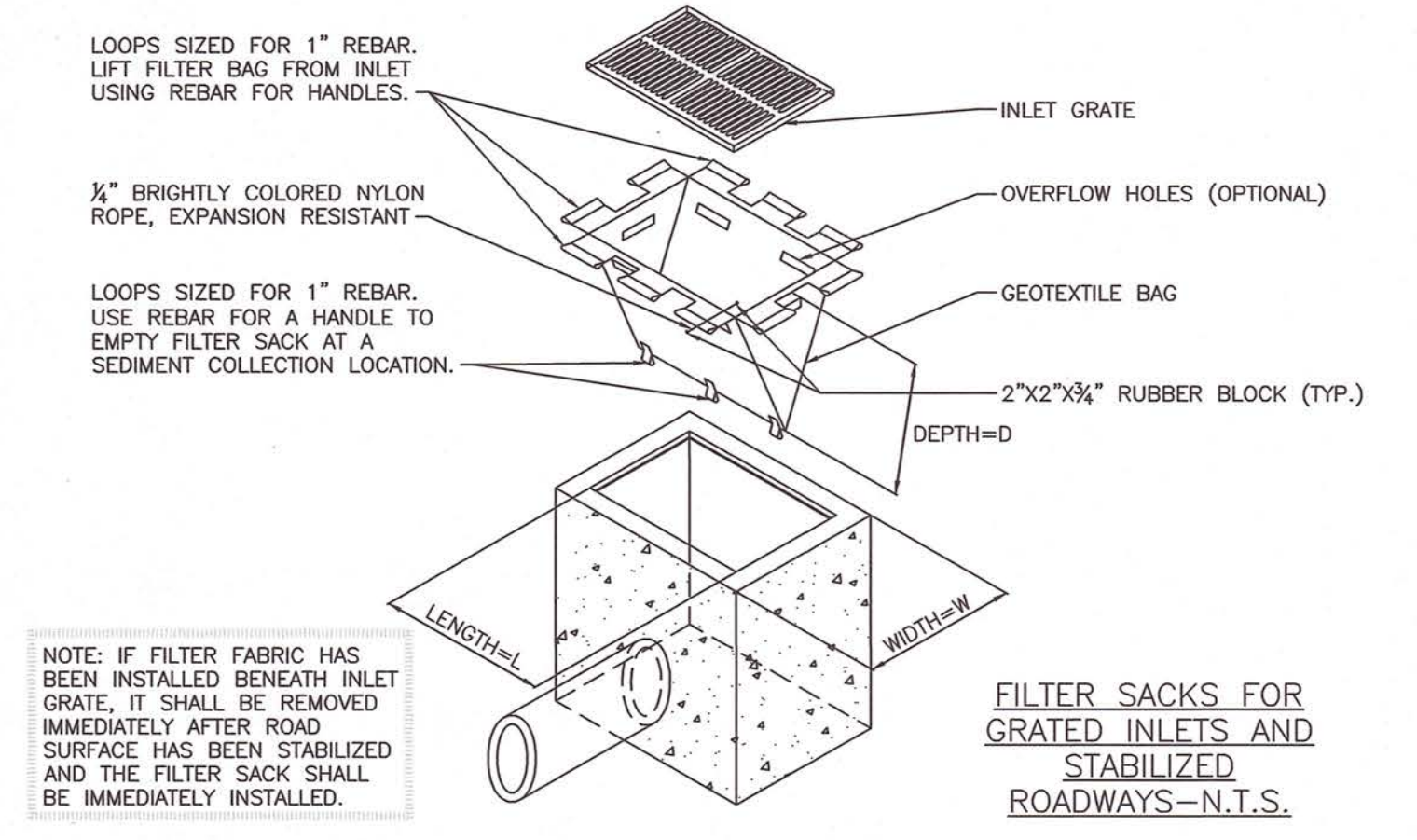
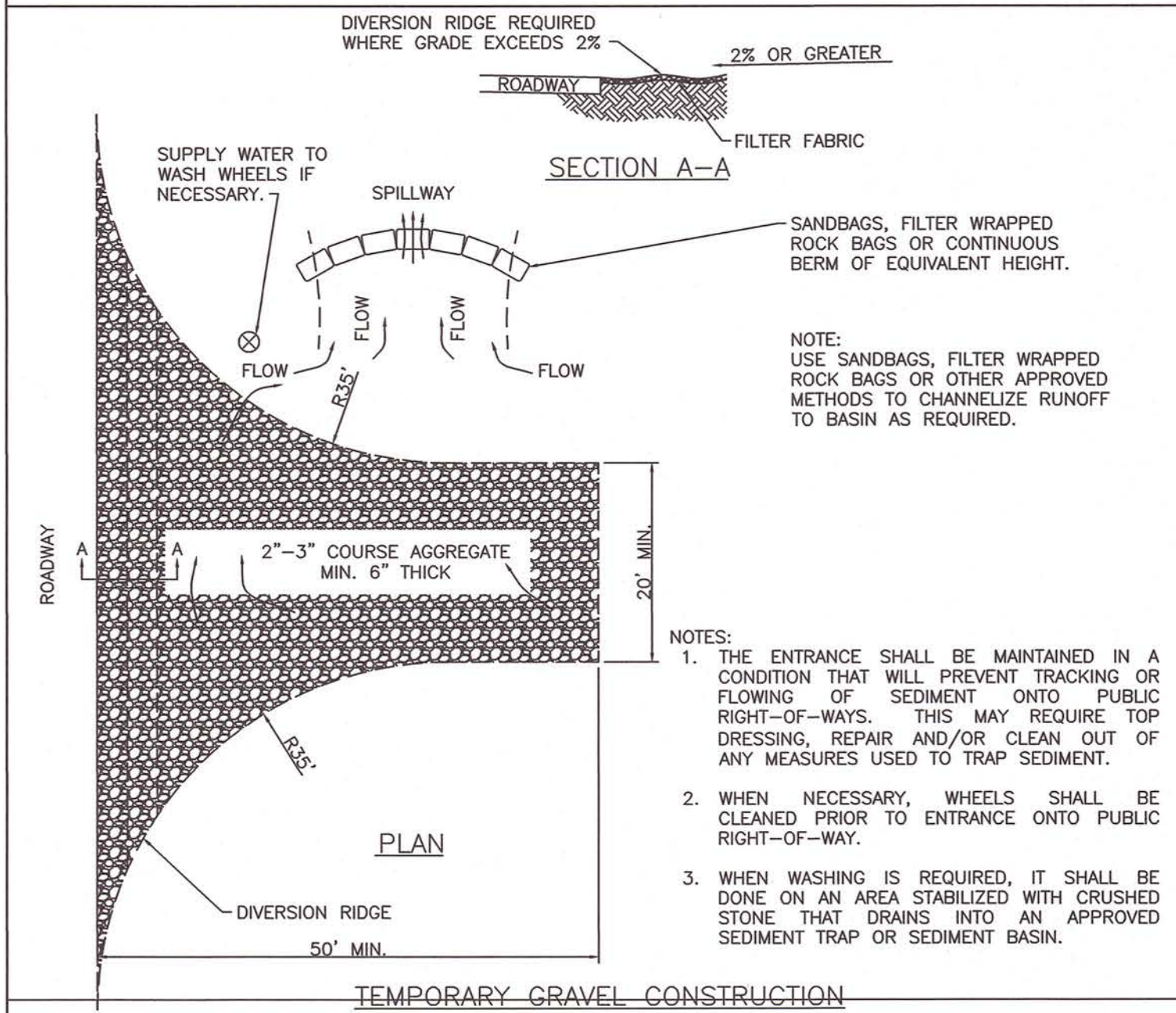
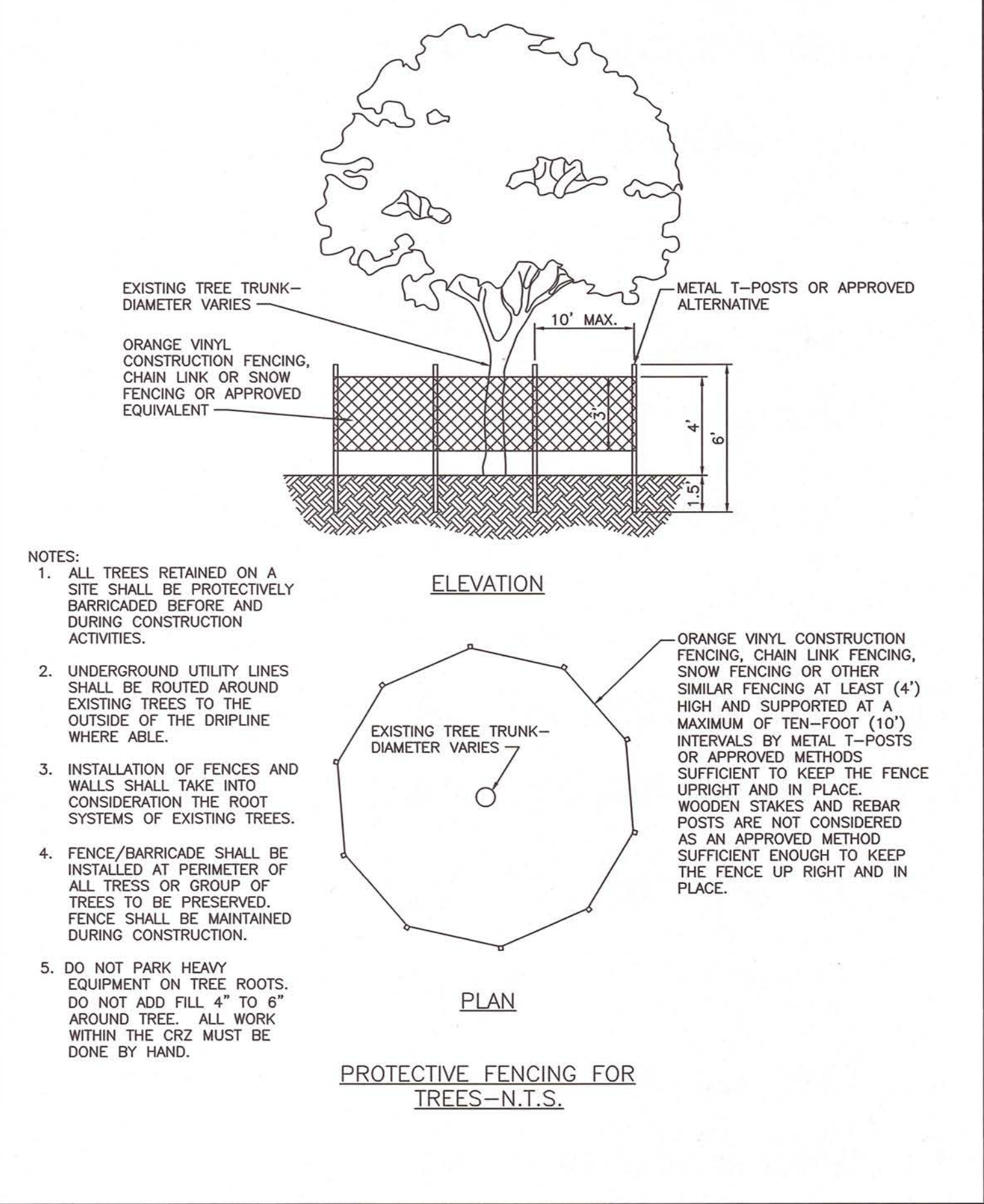
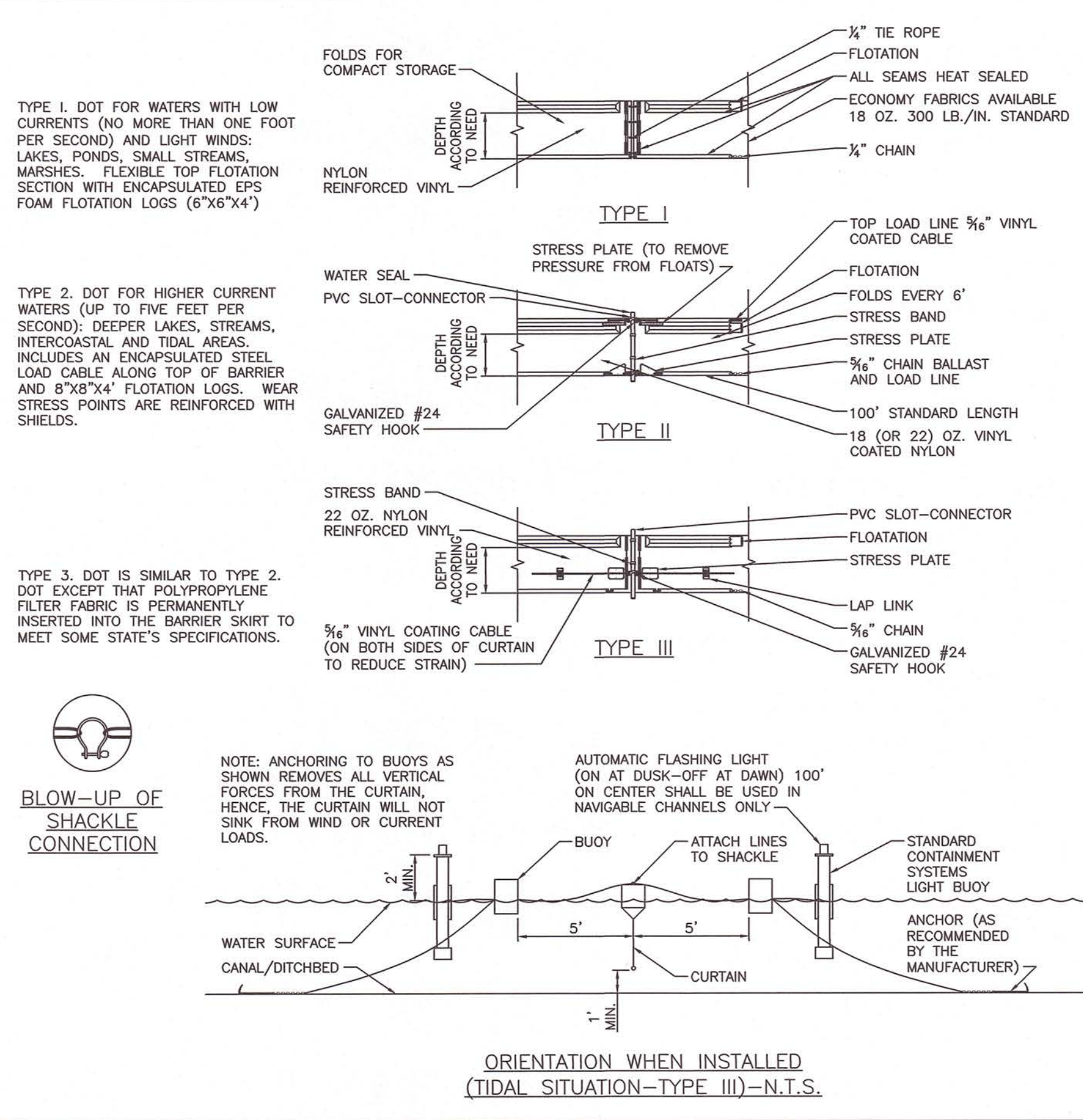
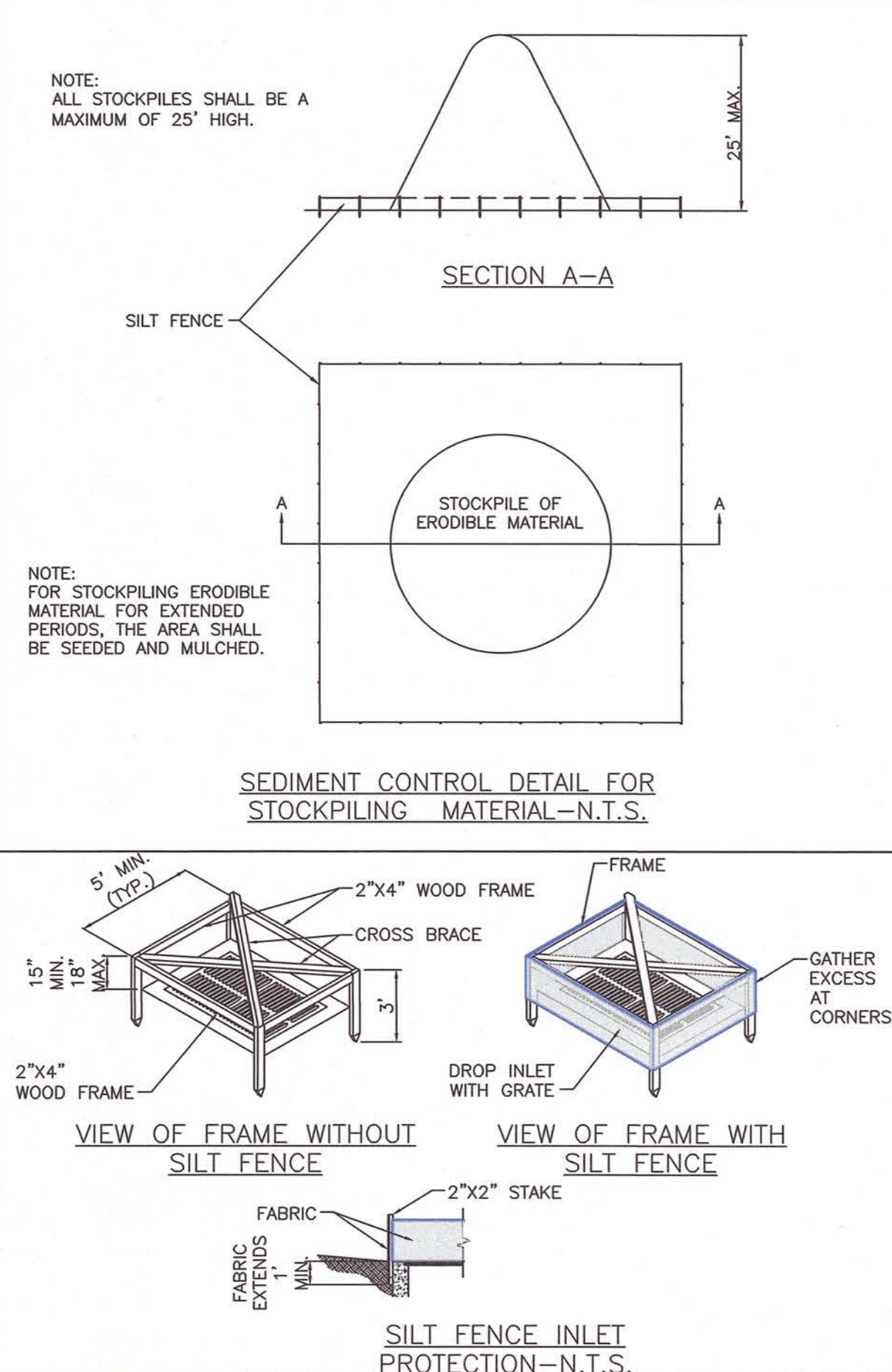
INDIAN RIVER COUNTY
1801 27TH STREET
VERO BEACH, FL 32960
(772) 567-8000

INDIAN RIVER COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

CHECKED BY: R. SKOK	SECTION: 25/26	FIELD BOOK: N/A	DATE: 12/29/2021
DRAWN BY: R. INGLETT	TOWNSHIP: N/A	PAGE: N/A	PROJECT NUMBER: IRC-1847
APPROVED BY: R. SZPYRKA	RANGE: N/A		

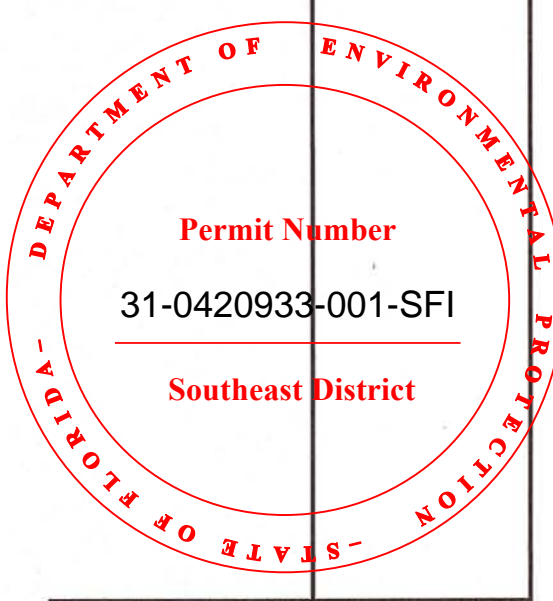
EROSION CONTROL NOTES

- Sediment basins and traps, perimeter dikes, sediment barriers and other measures intended to trap sediment shall be constructed as a first step in any land disturbing activity and shall be located before up-slope land disturbance takes place.
- All sediment control measures are to be adjusted to meet field conditions at the time of construction and be constructed prior to any grading or disturbance of existing surface material on balance of site. Perimeter sediment barriers shall be constructed to prevent sediment or trash from flowing or floating on to adjacent properties.
- Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven (7) days to denuded areas that may not be at final grade but will remain undisturbed for longer than 30 days. Permanent stabilization shall be applied to areas that are to be left undisturbed for more than one year.
- During construction of the project, soil stock piles shall be stabilized, covered or contained with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as soil intentionally transported from the project site.
- A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized.
- After any significant rainfall, sediment control structures will be inspected for integrity. Any damaged devices shall be corrected immediately.
- Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate temporary or permanent channel, flume, slope drain structure or approved control.
- Sediment will be prevented from entering any storm water system, ditch or channel. All storm water inlets that are made operable during construction shall be protected so that sediment-laden water cannot enter the conveyance system without first being filtered or otherwise treated to remove sediment.
- When work in a live watercourse is performed, precautions shall be taken to minimize encroachment, control sediment transport and stabilize the work area to the greatest extent possible during construction.
- Periodic inspection and maintenance of all sediment control structures must be provided to ensure intended purpose is accomplished. The developer, owner and/or contractor shall be continually responsible for all sediment controls. Sediment control measures shall be in working condition at the end of each working day.
- Where construction vehicle access routes intersect paved public roads, provisions shall be made to minimize the transport of sediment by tracking onto the paved surface. Where sediment is transported onto a public road surface with curbs and gutters, the road shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by stoveling or sweeping and transported to a sediment disposal area. Street washing shall be allowed only after sediment is removed in this manner. This provision shall apply to individual subdivision lots as well as to larger land disturbing activities.
- All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization or after the temporary measures are no longer needed.
- Properties and waterways downstream from construction sites shall be protected from sediment deposition and erosion at all times during construction.
- Erosion control design and construction shall follow the applicable requirements of the "State of Florida Erosion and Sediment Control Designer and Reviewer Manual", Latest Update: July 2013, or current edition and as may be modified by the Project Engineer of Record via a signed and sealed drawing and as required by Indian River County permits and other regulatory agency permits.
- Contractor is responsible for all surface water discharges, rainfall run off or dewatering activities.
- Contractor must incorporate all BMP's necessary to meet or exceed state water quality and SWPPP requirements.
- The Pollution Prevention Plan is a minimum guideline only. Additional BMP's may be necessary at contractor's expense.
- NOI to be posted on site.
- Dewatering activities:
 - A - Discharge must not exceed state water quality standards.
 - B - Contractor must have a transferable SJRWMD Consumptive Use permit known as a "Noticed General Permit For Short Term Construction De-Watering"
 - C - No hydraulic pumps may be used for dewatering unless approved By the water management district for that area.
 - D - No turbid discharge. Turbidity readings are required once a week and must be reported to the project Engineer.
- Failure to develop and implement a certified stormwater pollution prevention plan shall be deemed a violation of the permit and the permittee shall be subject to enforcement action. The plan shall be completed prior to the submittal of an NOI (Notice of Intent) to be covered under the permit and updated as appropriate. The plan shall also provide for compliance with the terms and schedule of the plan beginning with the initiation of the construction activities.



NOTE

- THIS PLAN SHEET SHALL NOT BE CONSIDERED A SWPPP (STORMWATER POLLUTION PREVENTION PLAN) BUT IS A PLAN REPRESENTATIVE OF THE MINIMUM REQUIRED BMP'S (BEST MANAGEMENT PRACTICES).
- THE SWPPP SHALL BE COMPLETED PRIOR TO THE SUBMITTAL OF THE NOTICE OF INTENT (NOI) TO BE COVERED UNDER THE DEPARTMENT'S GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.



SWPPP TEMPLATE FOR MINIMUM REQUIRED BMP'S

NO.	REVISION	DATE	BY	INDIAN RIVER COUNTY 1801 27TH STREET VERO BEACH, FL 32960 (772) 567-8000	DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	CHECKED BY: R. SKOK DRAWN BY: R. INGLETT APPROVED BY: R. SZPYRKA	SECTION: 25/26 TOWNSHIP: RANGE:	FIELD BOOK: N/A PAGE: N/A	DATE: 12/29/2021 PROJECT NUMBER: IRC-1847	SPORTING CLAYS FACILITY IMPROVEMENTS FOR THE INDIAN RIVER COUNTY PUBLIC SHOOTING RANGE SECTION'S 25 AND 26, FLEMING GRANT	SHEET 6 OF 7
-----	----------	------	----	---	--	--	---------------------------------------	------------------------------------	--	---	-----------------------

TOPOGRAPHIC SURVEY FOR: INDIAN RIVER COUNTY ENGINEERING DIVISION SURVEY SECTION

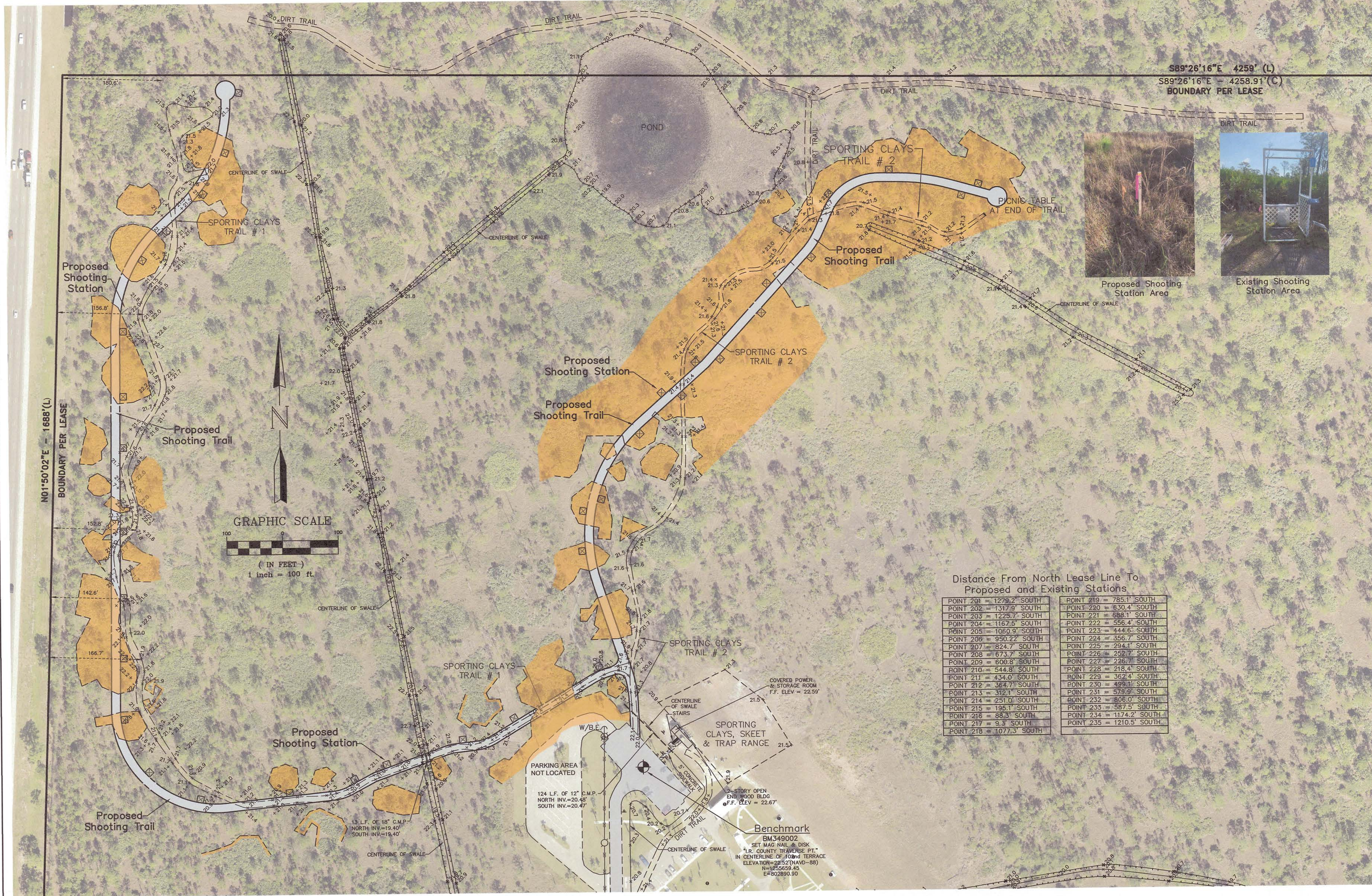
INDIAN RIVER COUNTY SHOOTING RANGE, INDIAN RIVER COUNTY PROJECT NO. 1847

SECTION'S 25 AND 26, FLEMMING GRANT



Surveyors Notes

- THIS IS NOT A BOUNDARY SURVEY. THE BOUNDARY INFORMATION SHOWN HEREON WAS BASED UPON THE LEGAL DESCRIPTION PER EXHIBIT 'A' OF THE CONCESSIONAIRE CONTRACT FOR FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION INDIAN RIVER COUNTY PUBLIC SHOOTING RANGE (CONTRACT NO. 00252). THIS LEASE AGREEMENT BETWEEN THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION AND THE INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS WAS SIGNED ON MARCH 13, 2001. THE BOUNDARY LINES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY.
- ONLY ABOVE GROUND APPURTENANCES AND VISIBLE UTILITIES HAVE BEEN LOCATED. UNDERGROUND IMPROVEMENTS SUCH AS UTILITIES AND FOUNDATIONS WERE NOT LOCATED EXCEPT AS SHOWN.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE POLICY. THEREFORE THERE MAY BE EASEMENTS, RESTRICTIONS AND OTHER ENCUMBRANCES NOT SHOWN ON THIS SURVEY, BUT MAY BE FOUND IN THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.
- THE HORIZONTAL CONTROL VALUES SHOWN AND BEARINGS HEREON ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT, AND PROJECTED IN THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE. THIS SURVEY WAS TIED TO FLORIDA DEPARTMENT OF TRANSPORTATION'S FLORIDA PERMANENT REFERENCE NETWORK, DERIVING A GRID BEARING OF S89°26'16"E ALONG THE NORTH LINE OF THE LEASE REFERENCED IN NOTE 1 ABOVE.
- THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE INDIAN RIVER COUNTY VERTICAL CONTROL NETWORK (I.R.C.V.C.N.) AND ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88). THIS SURVEY WAS TIED TO BM349001 (ELEV = 23.76') AND BM349002 (ELEV = 22.52'). ALL OF THE BENCHMARKS IN THE I.R.C.V.C.N. HAVE BEEN ADJUSTED RELATIVE TO N.A.V.D. 88.
- THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS TO SHOW THE LOCATION AND ELEVATION OF THE EXISTING AND PROPOSED SHOOTING STATIONS. THE LATHS MARKING THE PROPOSED SHOOTING STATIONS WERE SET BY PERSONNEL FROM THE INDIAN RIVER COUNTY SHOOTING RANGE. ONLY SPORTING CLAYS TRAIL NO. 2 WAS LOCATED ON THE DATE OF JANUARY 21, 2020. THE PAVED AREA, THE SPORTING CLAYS, SKEET & TRAP RANGE, AND THE TOPOGRAPHY THAT SURROUNDS THE RANGE WAS TAKEN FROM A TOPOGRAPHIC SURVEY ENTITLED 'SPORTING CLAYS, SKEET & TRAP RANGE TOPOGRAPHIC SURVEY', THAT SURVEY WAS UPDATED ON AUGUST 13, 2018 TO INCLUDE SPORTING CLAYS TRAIL NO. 1 AS SHOWN HEREON. ALL SWALES, NATURAL GROUND ELEVATIONS, THE POND AND DIRT TRAIL THAT ENDOUCHES ONTO THE PARCEL NORTH OF THE SHOOTING RANGE LEASE WAS TAKEN FROM A SURVEY ENTITLED 'INDIAN RIVER COUNTY SHOOTING RANGE TOPOGRAPHIC SURVEY' PREPARED ON AUGUST 7, 2013. ALL SURVEYS REFERENCED ABOVE WERE PREPARED BY INDIAN RIVER COUNTY, PERSONNEL.
- THIS SURVEY MEETS OR EXCEEDS THE ACCURACY REQUIRED FOR A TOPOGRAPHIC SURVEY PER CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.
- HORIZONTAL FEATURE ACCURACY FOR TOPOGRAPHIC LAND FEATURES (SIGNS, INLETS, VALVES, MAILBOXES, POWERPOLES, DRIVEWAYS, CULVERTS AND SIMILAR FEATURES) HAVE A HORIZONTAL FEATURE ACCURACY OF PLUS OR MINUS 0.25 FEET.
- VERTICAL FEATURE ACCURACY FOR ELEVATIONS SHOWN HEREON HAVE AN ACCURACY OF PLUS OR MINUS 0.04' FOR HARD SHOTS (PAVEMENT, INLETS, ETC.) AND AN ACCURACY OF PLUS OR MINUS 0.20 FEET FOR SOFT SHOTS (SLOPES, NATURAL GROUND, ETC.).
- SYMBOLS SHOWN HEREON DEPICT THE HORIZONTAL POSITION OF THAT SPECIFIC IMPROVEMENT. THE SYMBOLS (FOR GRAPHICAL PURPOSE) ARE NOT DRAWN TO SCALE.
- THE MEASUREMENTS FOR THIS SURVEY WERE MADE UTILIZING CONVENTIONAL AND REAL TIME KINEMATIC SURVEYING METHODS WITH THE FOLLOWING EQUIPMENT: LEICA 1200 AND LEICA VIVA GLOBAL POSITIONING SYSTEM, LEICA TCR 1203 TOTAL STATION, LEICA NAK AUTOMATIC LEVEL AND A TRIPOD DATA SYSTEMS NOMAD DATA COLLECTOR.
- ALL MEASUREMENTS SHOWN HEREON AND TAKEN FOR THE PREPARATION OF THIS SURVEY ARE IN U.S. SURVEY FEET.
- THIS SURVEY IS INTENDED TO BE DISPLAYED AT A SCALE OF 1"=100'.
- THIS PARCEL SHOWN HEREON CONTAINS APPROXIMATELY 1000 TREES 6" OR LARGER AND WETLANDS THAT ARE NOT SHOWN PER THE SCOPE OF SERVICES FOR THIS SURVEY.



Distance From North Lease Line To Proposed and Existing Stations

POINT 201 = 1278.2' SOUTH	POINT 219 = 785.1' SOUTH
POINT 202 = 1317.9' SOUTH	POINT 220 = 630.4' SOUTH
POINT 203 = 1225.7' SOUTH	POINT 221 = 688.1' SOUTH
POINT 204 = 1167.5' SOUTH	POINT 222 = 556.4' SOUTH
POINT 205 = 1089.9' SOUTH	POINT 223 = 444.6' SOUTH
POINT 206 = 990.22' SOUTH	POINT 224 = 356.7' SOUTH
POINT 207 = 824.7' SOUTH	POINT 225 = 294.1' SOUTH
POINT 208 = 673.7' SOUTH	POINT 226 = 252.7' SOUTH
POINT 209 = 609.8' SOUTH	POINT 227 = 226.7' SOUTH
POINT 210 = 544.8' SOUTH	POINT 228 = 218.4' SOUTH
POINT 211 = 434.0' SOUTH	POINT 229 = 362.4' SOUTH
POINT 212 = 364.7' SOUTH	POINT 230 = 498.1' SOUTH
POINT 213 = 312.1' SOUTH	POINT 231 = 379.9' SOUTH
POINT 214 = 251.0' SOUTH	POINT 232 = 806.0' SOUTH
POINT 215 = 195.1' SOUTH	POINT 233 = 587.5' SOUTH
POINT 216 = 85.3' SOUTH	POINT 234 = 1174.2' SOUTH
POINT 217 = 5.3' SOUTH	POINT 235 = 1210.5' SOUTH
POINT 218 = 1077.3' SOUTH	

Symbols and Abbreviations:

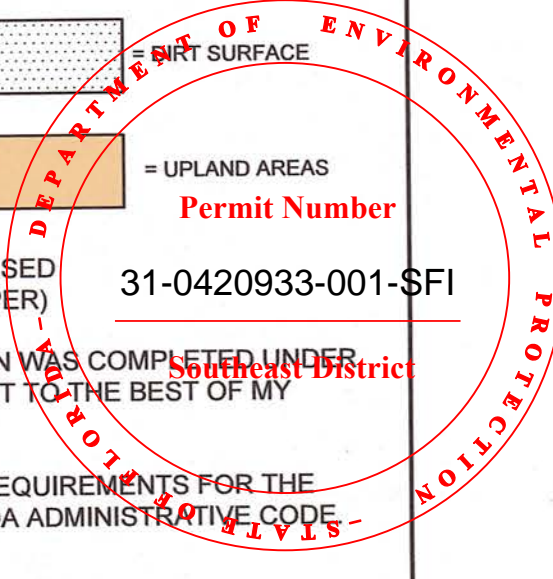
- B.E. = BURIED ELECTRIC
- BLDG = BUILDING
- (C) = CALCULATED
- C.L. = CENTERLINE
- C.M.P. = CORRUGATED METAL PIPE
- CONC = CONCRETE
- E = EASTING
- ELEV = ELEVATION
- F.F. = FINISHED FLOOR
- INV = INVERT
- (L) = LEASE
- L.F. = LINEAR FEET
- MAG = MAGNETIC
- N = NORTHING
- N&D = NAIL AND DISK
- SWK = SIDEWALK
- W = WITH
- ⊕ = BENCHMARK
- ⊖ = ELECTRIC PULL BOX
- ⊙ = CENTERLINE
- ⊙ = GUY ANCHOR
- ⊙ = MONITORING WELL
- ⊙ = WOOD POWER POLE
- ⊙ = SIGN
- ⊙ = SPOT ELEVATION
- ⊙ = OVERHEAD ELECTRIC LINE
- ⊙ = TOP OF BANK
- ▭ = ASPHALT SURFACE
- ▭ = CONCRETE SURFACE
- ▭ = UPLAND AREAS

Certification

(NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER)

I HEREBY CERTIFY THAT THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS COMPLETED UNDER MY DIRECTION AND SAID TOPOGRAPHIC SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

I FURTHER CERTIFY THAT THIS TOPOGRAPHIC SURVEY MEETS THE REQUIREMENTS FOR THE STANDARDS OF PRACTICE, AS ESTABLISHED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATE STATUTES.



DATE OF SIGNATURE _____ DAVID M. SILON
INDIAN RIVER ASSISTANT COUNTY SURVEYOR
FLORIDA CERTIFICATE NO. 6139

NO.	REVISION	DATE	BY	INDIAN RIVER COUNTY 1801 27TH STREET VERO BEACH, FL 32960 (772) 567-8000	DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	CHECKED BY: D. SILON DRAWN BY: R. INGLETT APPROVED BY: D. SCHRUYER	SECTION: 25/26 FLEMMING GRANT	FIELD BOOK: STANTON 5 PAGE: 33	DATE: 03-18-2021 PROJECT NUMBER IRC-1847	INDIAN RIVER COUNTY SHOOTING RANGE Sporting Clays Stations Topographic Survey	SHEET 7 OF 7
-----	----------	------	----	---	--	--	-------------------------------------	---	---	---	-----------------------

CONSTRUCTION COMMENCEMENT NOTICE

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

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

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

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

Permittee's or Authorized Agent's Signature Company

Print Name Title Date

E-mail Phone Number



As-Built Certification And Request for Conversion to Operation Phase

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

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

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

- To the best of my knowledge, information, and belief, construction of the project has been completed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached are documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.
- Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. Any deviations or independent phasing will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. (Contact the permitting agency to determine whether a modification of the permit will be required in accordance with Rule 62-330.315, F.A.C.) Attached is a description of substantial deviations, a set of as-built drawings, and documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.
- Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. There are substantial deviations that prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. I acknowledge that corrections to the project and/or a modification of the permit will likely be required, and that conversion to the operation phase cannot be approved at this time. As-built or record drawings reflecting the substantial deviations are attached.

For activities that require certification by a registered professional:

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

AFFIX SEAL

(Date)

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

By: _____ (Print Name)
 Signature
 _____ (Company Name) _____ (Company Address)



(Telephone Number)

(Email Address)

(Date)



Drawings and Information Checklist

Following is a list of information that is to be verified and/or submitted by the Registered Professional or Permittee:

1. All surveyed dimensions and elevations shall be certified by a registered Surveyor or Mapper under Chapter 472, F.S.
2. The registered professional's certification shall be based upon on-site observation of construction (scheduled and conducted by the registered professional of record or by a project representative under direct supervision) and review of as-built drawings, with field measurements and verification as needed, for the purpose of determining if the work was completed in accordance with original permitted construction plans, specifications, and conditions.
3. If submitted, the as-built drawings are to be based on the permitted construction drawings revised to reflect any substantial deviations made during construction. Both the original design and constructed condition must be clearly shown. The plans need to be clearly labeled as "as-built" or "record" drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. As required by law, all surveyed dimensions and elevations required shall be verified and signed, dated, and sealed by an appropriate registered professional. The following information, at a minimum, shall be verified on the as-built drawings, and supplemental documents if needed:
 - a. Discharge structures - Locations, dimensions and elevations of all, including weirs, orifices, gates, pumps, pipes, and oil and grease skimmers;
 - b. Detention/Retention Area(s) – Identification number, size in acres, side slopes (h:v), dimensions, elevations, contours, or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems,
 - c. Side bank and underdrain filters, or exfiltration trenches - locations, dimensions, and elevations of all, including clean-outs, pipes, connections to control structures, and points of discharge to receiving waters;
 - d. System grading - dimensions, elevations, contours, final grades, or cross-sections to determine contributing drainage areas, flow directions, and conveyance of runoff to the system discharge point(s);
 - e. Conveyance - dimensions, elevations, contours, final grades, or cross-sections of systems utilized to divert off-site runoff around or through the new system;
 - f. Benchmark(s) - location and description (minimum of one per major water control structure);
 - g. Datum- All elevations should be referenced to a vertical datum clearly identified on the plans, preferably the same datum used in the permit plans.
4. Wetland mitigation or restoration areas - Show the plan view of all areas, depicting a spatial distribution of plantings conducted by zone (if plantings are required by permit), with a list showing all species planted in each zone, numbers of each species, sizes, date(s) planted, and identification of source of material; also provide the dimensions, elevations, contours, and representative cross-sections depicting the construction.
5. A map depicting the phase or independent portion of the project being certified, if all components of the project authorized in the permit are not being certified at this time.
6. Any additional information or outstanding submittals required by permit conditions or to document permit compliance, other than long-term monitoring or inspection requirements.

Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity

Instructions: Complete this form to transfer to the permit to the operation and maintenance entity. This form can be completed concurrently with, or within 30 days of approval of, the As-Built Certification and Request for Conversion to Operation Phase (Form 62-330.310(1)). Please include all documentation required under Section 12.2.1(b) of Applicant's Handbook Volume I (see checklist below). **Failure to submit the appropriate final documents will result in the permittee remaining liable for operation and maintenance of the permitted activities.**

Permit No.: _____ Application No(s): _____
 Project Name: _____ Phase (if applicable): _____

A. **Request to Transfer:** The permittee requests that the permit be transferred to the legal entity responsible for operation and maintenance (O&M).

By: _____
 Signature of Permittee _____ Name and Title _____

 Company Name _____ Company Address _____

 Phone/email address _____ City, State, Zip _____

B. **Agreement for System Operation and Maintenance Responsibility:** The below-named legal entity agrees to operate and maintain the works or activities in compliance with all permit conditions and provisions of Chapter 62-330, Florida Administrative Code (F.A.C.) and Applicant's Handbook Volumes I and II.

The operation and maintenance entity does not need to sign this form if it is the same entity that was approved for operation and maintenance in the issued permit.

Authorization for any proposed modification to the permitted activities shall be applied for and obtained prior to conducting such modification.

By: _____
 Signature of Representative of O&M Entity _____ Name of Entity for O&M _____

 Name and Title _____ Address _____

 Email Address _____ City, State, Zip _____

 Phone _____ Date _____

Enclosed are the following documents, as applicable:

- Copy of recorded transfer of title to the operating entity for the common areas on which the stormwater management system is located (unless dedicated by plat)
- Copy of all recorded plats
- Copy of recorded declaration of covenants and restrictions, amendments, and associated exhibits
- Copy of filed articles of incorporation (if filed before 1995)



- A Completed documentation that the operating entity meets the requirements of Section 12.3 of Environmental Resource Permit Applicant's Handbook Volume I. (Note: this is optional, but aids in processing of this request)



OPERATION AND MAINTENANCE INSPECTION CERTIFICATION

Instructions: Submit this form to the Agency within 30 days of completion of the inspection after any failure of a stormwater management system or deviation from the permit. This form may also be used to document inspections required under Section 12.4 of Applicant's Handbook Volume I, however submittal to the Agency is not required unless requested by the Agency.

Permit No.: _____ Application No.: _____ Date Issued: _____

Identification or Name of Stormwater Management System: _____

Phase of Stormwater Management System (if applicable): _____

Inspection Date: _____

Inspection results: (check all that apply)

- The undersigned hereby certifies that the works or activities are functioning in substantial conformance with the permit. This certification is based upon on-site observation of the system conducted by me or my designee under my direct supervision and my review of as-built plans.

- The following maintenance was conducted since the last inspection (attach additional pages if needed):

- The undersigned hereby certifies that I or my designee under my direct supervision has inspected this surface water management system and the system does not appear to be functioning in substantial conformance with the permit. I am aware that maintenance or alteration is required to bring the system into substantial compliance with the terms and conditions of the permit. As appropriate, I have informed the owner of the following:
 - (a) The system does not appear to be functioning properly;
 - (b) That maintenance or repair is required to bring the system into compliance; and
 - (c) If maintenance or repair measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to approval by the agency below.

The following components of the system do not appear to be functioning properly (attach additional pages if needed):

Any components of the constructed system that are not in substantial conformance with the permitted system shall require a written request to modify the permit in accordance with the provisions of Rule 62-330.315, F.A.C. If such modification request is not approved by the agency below, the components of the system that are not in conformance with the permit are subject to enforcement action under Sections 373.119, .129, .136, and .430, F.S.



Name of Inspector: _____

Florida Registration Number: _____

Company Name: _____

Mailing Address: _____

City: _____

State: _____

Zip: _____

Phone: _____

Email: _____

Signature of Inspector: _____

Date: _____

Report Reviewed by Permittee:

Name of Permittee: _____

Signature of Permittee: _____

Date: _____

Title (if any): _____