MINING IMPACT ASSESSMENT REPORT

LEVY BORROW PIT

LEVY COUNTY, FLORIDA

Prepared for:

Anderson Columbia Co., Inc.

Prepared by:

Kimley-Horn and Associates, Inc.

242202000
October 2025

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Kimley»Horn

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INTRODUCTION

This Mining Impact Assessment Report ("Report") has been prepared to demonstrate compliance of the proposed mine with Sec.50-759(4) of the Levy County Land Development Code. The proposed mine will be a non-blasting mine situated on a 99± acre parcel (Levy County Parcel ID: 0322100200) abutting NE State Road 24 approximately 1.5± miles from the county line of Levy County and Alachua County. The current Land Use and Zoning of the subject property are A/RR (Agriculture/Rural Residential) and has historically been vacant land. It is proposed to permit the subject property as the Levy Borrow Pit to be able to excavate the sand from the subject property to be utilized for construction activities throughout Levy and other counties.

COMPATIBILITY

The subject property is currently surrounded by one residential property to the West of unknown size ("No Data Found" per Levy County Property Appraiser) and is Zoned A/RR; a 329.6± acre parcel of land, which is mostly wooded, vacant land except for a small portion currently being used for mining activities, is located to the East of the subject property and Zoned A/RR; four 1.25± acre residential parcels currently Zoned A/RR and one 80± acre parcel with one residential dwelling and multiple accessory buildings currently Zoned A/RR South of the subject property; one 3.3± or 1.9± acre residential parcels currently zoned A/RR occupied by single family residences abutting the subject property to the North; and seven parcels with areas varying from 3.6± to 10.8± acres of land currently Zoned A/RR occupied by single family residences to the North of the subject property on the North side of NE State Road 24. A 1/4-mile buffer surrounding the project parcel is depicted in THE "1/4 Mile Buffer Compatibility Parcels" exhibit along with a list of properties within said buffer has been provided in the appendix of this report which includes a total of 117 properties. By evidence of FDOT Access and Drainage Permits, right-of-way dedications are not required. Right-of-way dedications abutting State Road 24 are reviewed by the FDOT.

Much of the property is wooded, with the western 350 to 400 feet sparsely wooded. As required by code, a 100-foot setback is proposed for the entire perimeter of the property with the exception of areas of the property that abut residential parcels as mentioned further below. The existing wooded area is to be preserved within the setback area to comply with the buffering opacity requirement of 80% in Sec.50-579(2)(c) of the Levy County Land Development Code. For portions of the setback area where the 80% opacity cannot be achieved with existing vegetation, a berm shall be constructed following the requirements in Sec.50-579(2)(c),ii,3. of the Levy County Land Development Code and as seen in the proposed Site Plan. Per the Levy County Land Development Code 50-579(2)(b), the minimum setback from the property line is 100 feet. This setback is proposed along the eastern property line and northern property line against SR-24. A setback of 150 feet is proposed along property lines which abut existing residential parcels to provide additional buffering from residential uses. Levy County parcel 0321900000, which abuts the project's property, currently contains mining operations as well as Levy County parcels 0321901900,

0321902000, 032190200A, 0326900000, and 0326800000. Therefore, the project property is viewed as compatible with the surrounding area.

ENVIRONMENTAL

The site is proposed to be a non-blasting mine, therefore vibration and sound will be limited to vehicle and equipment traffic on-site and is not anticipated to be a nuisance to surrounding parcel. Water trucks are currently proposed to combat dust from the mining operations. Mining operations of this nature typically do not generate a substantial amount of dust, therefore water trucks are deemed to be sufficient in combatting dust propagation offsite. Dust will be actively monitored by personnel while on-site and mitigated by way of the water trucks on an as-needed basis. Offsite propagation of sound and dust would be mitigated with the proposed buffering methodology and offsite vibration is not a concern since no blasting is proposed.

The Southwest Florida Water Management District (SWFWMD) has provided minimum vertical clearances to maintain from the aquifer and confining layers of soil to which the proposed plans are in compliance with by evidence of the issued Environmental Resource Permit. The mining operator will pay particular attention to the soil conditions and depth as described by the soil borings found in the Geotechnical Site Evaluation (refer to the appendices) in the areas where digging is actively occurring. Per Levy County's Zoning Map, the property does not have a Basin Management Action Plan (BMAP). That being the case, this report contains section "ACCI Best Management Practices for Project Spills" in the appendices. Heavy air emissions are typically produced by industrial manufacturing, refining operations, etc. The proposed use will be excavating sand by means of excavators and dump trucks which produce similar emissions to semi-trucks and other road going vehicles. As such, no heavy air emissions will occur. The mining operation will ensure that air quality impacts as a result from mining operations follow state and federal regulations as applicable.

TRANSPORTATION SYSTEM

The traffic study prepared by Kimley-Horn & Associates, Inc. supports that the proposed mining operation will neither damage public nor private property due to the hauling of material, and that hazardous traffic conditions will not be created. Hauling trucks utilizing public roads will be covered in a manner so as to prevent spillage, consistent with the Florida Department of Highway Safety and Motor Vehicles Standards, and all hauling vehicles shall display the hauling company (or truck owner's name if privately owned) on the sides of the vehicle.

Per a pre-application meeting with the Florida Department of Transportation (FDOT) and in line with the traffic study, a turn lane is not warranted for the project. FDOT has requested driveway tapers be proposed as most of the traffic entering and exiting the site will be used by trucks for hauling material. The driveway tapers are intended to mitigate off tracking of the dump trucks and protect the edge of pavement on the roadway. Signage will be installed warning motorists of potential trucks entering the highway. As of the date

of this report, an FDOT Access Connection Permit has been issued for the project.

During the pre-application meeting with FDOT and during the Access Connection Permit process, FDOT took no exception to the structural capacity of State Road 24 as it relates to the proposed truck traffic generated by the project. Based on information provided by the FDOT District 2 Pavement Assessment Manager, the segment of State Road 24 adjacent to the proposed mine site has an asphalt pavement thickness of between five to six inches, which is adequate to sustain the estimated additional 48 one-way truck trips and 4 passenger vehicle trips per day. Additionally, per the Traffic Study dated May 2025 by Kimley-Horn, of the estimated 52 total additional daily trips, 80% (approximately 42 trips) would travel to and from the east while 20% (approximately 10 trips) would travel to and from the west, thereby distributing the roadway impact. The Average Annual Daily Traffic (AADT) volumes along State Road 24 is currently 7,920 trips, with approximately 9.1% being truck traffic (equates to 721 truck trips per day). The proposed project would increase the total AADT by 0.66% and increase the truck AADT by 6.6%.

WATER USE

Per the Southwest Florida Water Management District, the maximum excavation of the minable area shall adhere to SWFWMD Volume II-5.4.1(b) and FDEP Volume I-8.5.2.2 which states “Avoid breaching an aquitard that would result in direct mixing of untreated water between surface water and an underground source of drinking water. Where an aquitard is not present, the depth of the stormwater treatment system shall be limited to prevent any excavation within three (3) feet of an underlying limestone formation which is part of an underground source of drinking water, as defined in Chapter 62-528, F.A.C.” An aquitard, as defined by SWFWMD Volume-II-2.1.1, is “A tightly compacted soil structure that retards but does not prevent flow of water to or from an adjacent aquifer. It does not allow water to pass through it fast enough to be used as a water supply, but if breached, could allow mixing of water sources between adjacent aquifers.” A confining layer, as defined in FDEP ERP Volume I 2.0(a)9, is “a layer of low permeability material, such as clay or rock, adjacent to an aquifer that functions to prevent the transmission of significant quantities of groundwater flow under normal hydraulic gradients.” These limitations are to protect the quality of the underlying aquifers from exposure to the mining operations. The geotechnical report prepared by Geotech, Inc., dated May 16, 2024, estimates the seasonal high ground water table between 11.5 feet and 32.5 feet deep. The report also states the only borings SB-04 and SB-05 encountered a confining layer ranging from 19 to 28 feet below existing site grade. Potentiometric surface DIS Data was reviewed from the Florida Geological Survey and in the 2016 contours (see exhibit in the Appendices), the potentiometric surface is indicated to be at elevation 50 feet along within the subject property. The project site does not have any wetlands or surface waters within 200 feet of the mining area, thus there is no impact during the proposed mining activities. Water for the purposes of dust mitigation will be sourced off-site as no water wells are proposed. The volume of water utilized for dust mitigation will vary depending on daily site conditions and the intensity of mining operations.

There are no proposed water wells nor on-site water demand. Watering will be performed on an as-needed basis in order to control dust, based on weather/environmental conditions, as such the mining operator is unable to determine estimated quantities of water usage. Clean water will be brough in from off-site sources. The proposed mining operation will not adversely impact springs, rivers, tributaries, or water quality as the proposed mining operation is located more than 9.3± miles from Blue Grotto Springs, 8.7± miles from Devils Den Prehistoric Springs, 8.0± miles from Blue Springs Park, 22.5± miles from Fanning Springs, 24.1± miles from Manatee Springs, and 22.6± miles from the Suwannee River. In addition, the proposed mining operation is located more than 75 feet from any private water wells and more than 1000 feet from any public supply wells.

STORMWATER MANAGEMENT

This project proposes a paved driveway connection to State Road 24, as required by FDOT, otherwise, no additional impervious area is proposed. Therefore, no additional stormwater runoff off will be generated. Existing stormwater patterns entering the site shall be maintained. As of the date of this report, an FDOT Drainage Connection Permit and a SWFWMD Environmental Resource Permit have been issued for the project. Drainage Calculations have been submitted which demonstrate compliance with SWFWMD permitting criteria as well as show that adjacent properties are not negatively impacted by the proposed use.

GRADING

The proposed plans included in the Special Exception submittal package show the proposed grading. As discussed with the county, the mining activities will have a limited exposure of 20 acres at a time. No mining excavation activities shall occur within the proposed setback area. Backfilling of the site is not proposed as part of this project or application. The final slopes of the site shall adhere to Levy County Code Sec. 50-759(2)(f), FDEP regulations, and SWFWMD regulations, whichever is the most restrictive.

OPERATION

Per the Levy County Development Code 50-759(2)(g), the allowable hours of operation are restricted to daylight hours (sunrise to sunset), Monday through Saturday. In consideration of residential uses within the area, the proposed hours of operation for the mine will be Monday to Friday, starting at 7:00 A.M. or sunrise, whichever is later, and finishing at 5:00 P.M. Internal access routes and staging areas will vary as minable areas become exhausted of minable materials. The staging of vehicles related to mining operation will not occur within any public rights-of-way. No other access points will be used other than what is proposed in the Site Plan without seeking required approvals for governing jurisdictions. Sand is the target minable material, with excavation being the anticipated method of extracting the materials before being placed in dump trucks to be hauled off-site. Water trucks will be used regularly and as needed for dust control. The existing perimeter woods and/or proposed berms will serve as the primary method to control noise and

light. Vibrations will be zero to minimal as no blasting is proposed and off-site propagation of vibrations is not anticipated. The anticipated life of the mine will be anywhere from 20 to 30 years depending on mining intensity.

RECLAMATION

The developer/contractor's reclamation activities shall be coordinated with mining activities and initiated at the earliest practical time once mining activities have concluded. Final contouring of the mine shall be completed no more than one year after mining activities have ceased. The developer shall ensure that reclamation activities are in accordance with Levy County, Southwest Florida Water Management District, and Florida Department of Environmental Protection regulations.

The developer shall revegetate the final contoured areas no more than one year after contours have been established so long as it does not interfere with mining activities. Revegetation materials shall be native plants and/or trees and planted such that it mitigates soil erosion from the impacted and contoured lands of the site. Areas experiencing erosion will be repaired until vegetative cover is fully established and mining operations are complete. The developer will provide provisions for the safety of persons, wildlife, and adjoining properties. Mine Safety and Health Administration (MSHA) regulations will be followed to ensure employee and operator safety as well as proper trespassing deterrence signage. All wildlife encountered shall remained unharmed as required by federal and state regulations. Should protected wildlife need to be relocated, the operator shall apply for the required approvals and/or permits through the governing agencies. Dust and sound shall be mitigated as much as possible as to not pose a nuisance or harm to adjoining properties.

Backfilling of materials is not proposed after mining activities have ceased. The developer will ensure that all visible debris, junk, worn-out or unusable items, and materials are removed from the site and that the site be reclaimed to a neat and clean condition. The developer will remove any temporary structures except those in sound condition with potential uses compatible with reclamation activities. If mining activities cease for more than two years, all the reclamation requirements herein shall be met. This period may be extended to a maximum of five years if mining interruptions are caused by government action during reviews of environmental permit applications in the future.

APPENDICES

ACCI BEST MANAGEMENT PRACTICES FOR PROJECT SPILLS

ANDERSON COLUMBIA CO., INC.
871 NW Guerdon St. – Lake City, Fl. 32056
(386) 752-7585 – Fax (386) 755-5430

ACCI BEST MANAGEMENT PRACTICES FOR PROJECT SPILLS

Storage and/or use of toxic or hazardous substances will be kept at a minimum on the jobsite. However, due to the nature of the job, some toxic/hazardous substances will be required to be used onsite. The following is a list of the most common environmentally sensitive substances that will be routinely found on the project.

1. Diesel
2. Gas
3. Motor Oils
4. Hydraulic Fluids
5. Lubricates (Greases, etc.)
6. Paints

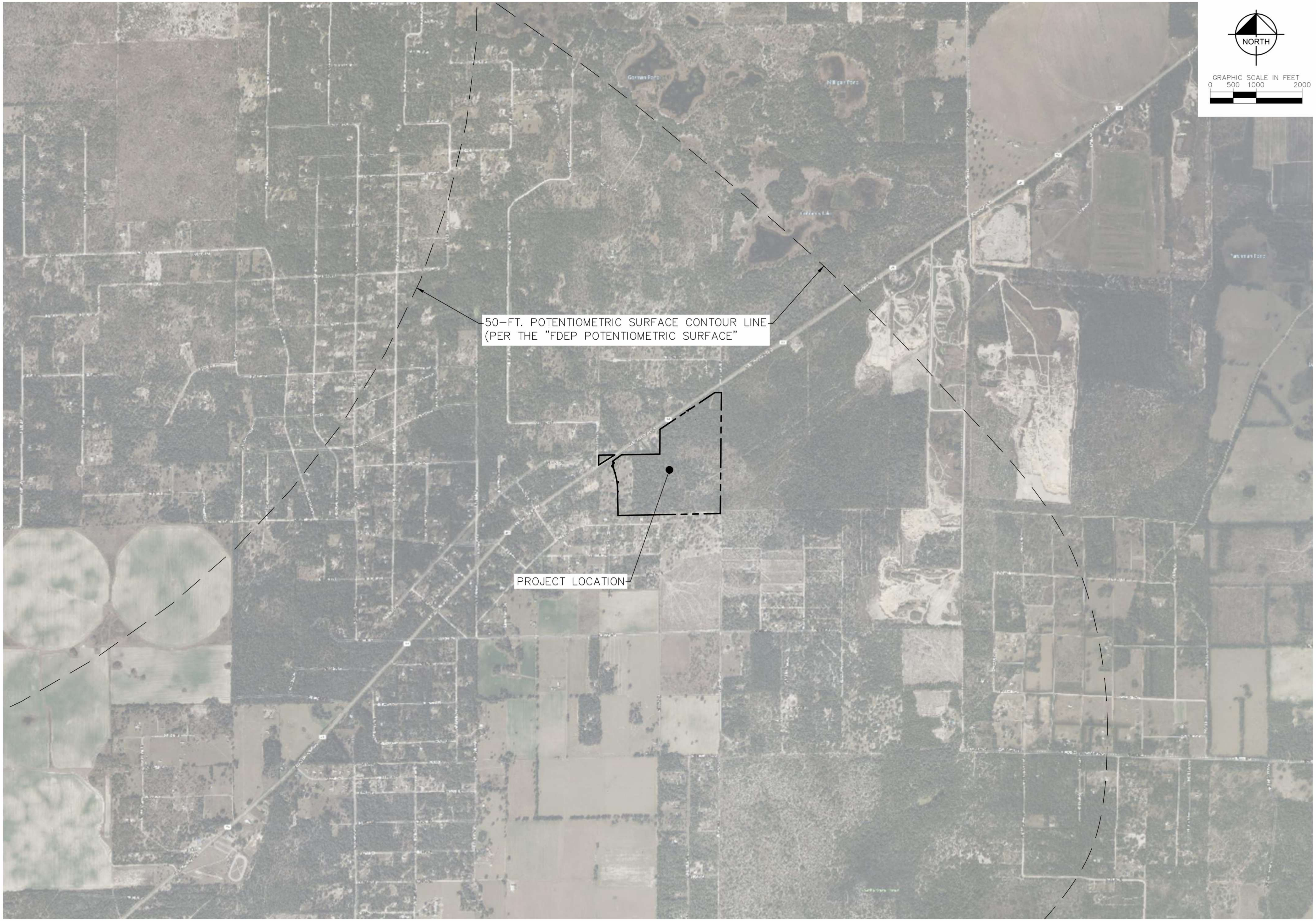
The greatest exposure for spills/releases occurs during the scheduled vehicle/equipment maintenance activities. However, theses exposures are minimized by:

- Use of off-site fueling sites when practical.
- Train employees who are on the project in proper spill prevention and clean-up.
- Use a designated area and/or secondary containment for on-site repair or maintenance activities. These areas shall be located away from drainage courses.
- Use absorbent materials on small spills. Avoid hosing down or burying spills. Remove and properly dispose of clean-up materials.
- Secondary containment devices such as drop cloths and drain pans shall be used to catch leaks or spills while removing or changing fluids from vehicles or equipment.
- Avoid “topping –off” of fuel tanks.
- Immediately transfer used fluids to the appropriate waste or recycling containers. Avoid leaving full drip pans and open containers on-site.
- On-site vehicles and equipment shall be inspected regularly for leaks and all leaks shall be immediately repaired.

Contaminated materials from small spills will be transported to the closest Anderson Columbia service yard for temporary storage until disposal can be arranged.

Spills will be reported to the Job Superintendent and/or Environmental Manager. Fuel spills in excess of 25 gallons will be reported to the State Warning Point (1-800-320-0519) as soon as possible, but in all cases within 24 hours of discovery.

POTENTIOMETRIC SURFACE EXHIBIT



LEVY COUNTY BORROW PIT

PREPARED FOR
ANDERSON COLUMBIA
LEVY COUNTY FLORIDA

POTENTIOMETRIC SURFACE MAP

KHA PROJECT 242202000
DATE JANUARY 2025
SCALE AS SHOWN
DESIGNED BY KHA
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
JOSE LOPEZ JR, P.E.
FLORIDA LICENSE NUMBER 86446
DATE:

Kimley»Horn

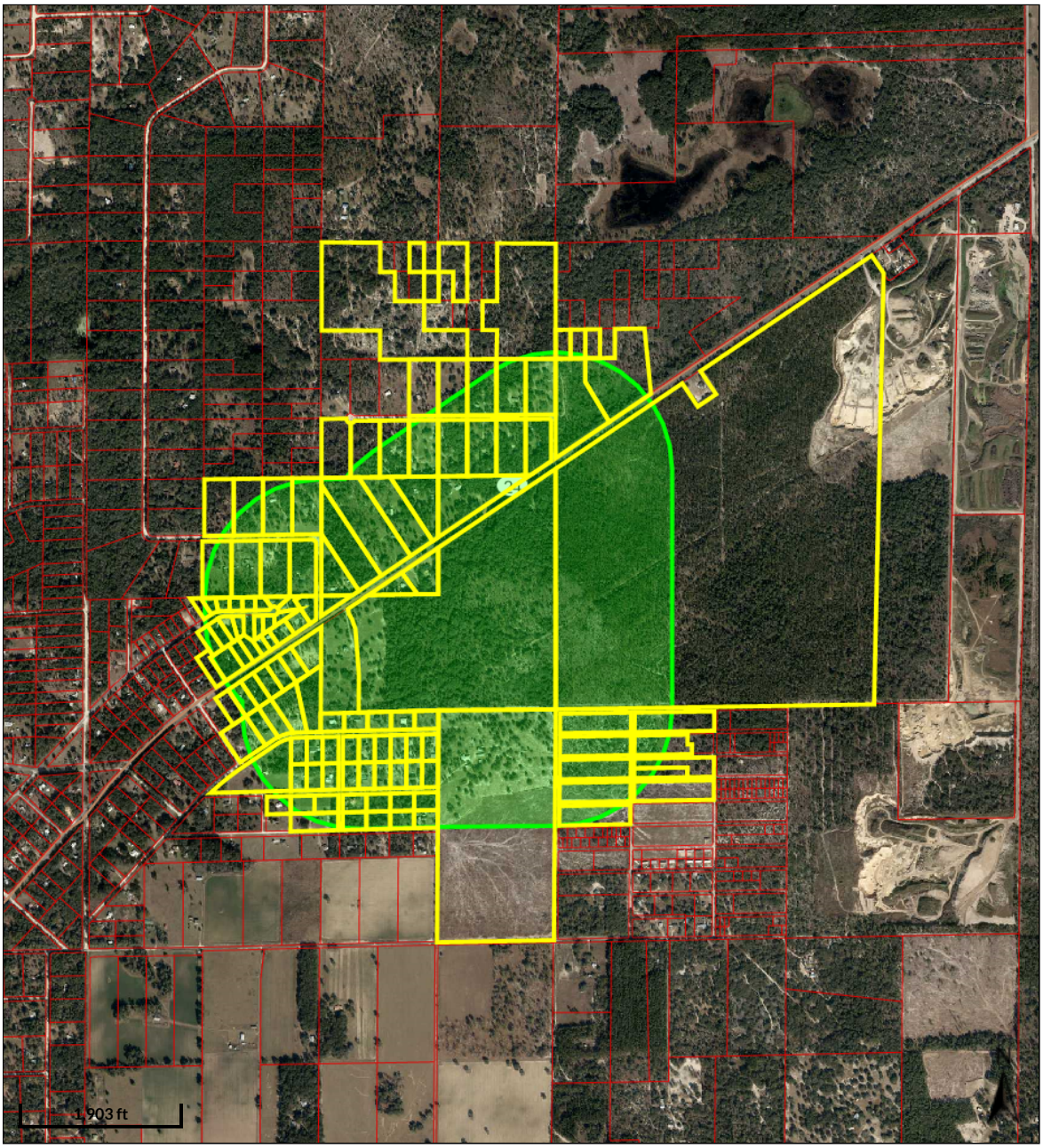
No.	REVISIONS	DATE	BY

SHEET NUMBER

K:\OCA_Civil\242202000-Levy County Borrow Pit\CAD\Exhibits\Potentiometric Surface Exhibit.dwg, Layout:Layout1 Feb 18, 2025 jose.lopezjr
XREFS: xSurvey-242202000 oEG-242202000 xBorder-242202000 kh-address-oca DrawingData xBase-242202000

¼ MILE BUFFER COMPATIBILITY PARCELS

Levy County, FL



Overview

Legend

- Parcels
- Roads
- City Labels

Date created: 12/3/2024
Last Data Uploaded: 12/2/2024 7:36:31 PM

Developed by SCHNEIDER GEOSPATIAL

Parcel ID: 1658400000 Owner: THOMPSON MICHAEL Address: 11291 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737200000 Owner: BRADLEY SHAWNTA Address: 11281 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658100000 Owner: GORDON BARBARA J; PLEMONS KENNETH J Address: 11351 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737300000 Owner: GEER KELLY L; GEER SHEILA A Address: 11291 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658000000 Owner: BARIL ELAYNE M; SEVER-RITTER MARY BARBARA-EH LIFE EST; BARIL DAVID M Address: 11391 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737400000 Owner: SERRALTA DOCTEN SCAMYC-TTEE; SERRALTA LUCIA P-TTEE; SERRALTA LIVING TRUST Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1657700000 Owner: MALDONADO ANDRES; GONZALEZ MAGDA Address: 11451 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737500000 Owner: LEHMAN ARTURO Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658300000 Owner: JAMERSON WILLIAM G; CAMPBELL HEATHER K Address: 11290 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737600000 Owner: LEHMAN ARTURO Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1658200000 Owner: GUZMAN WENDY; GUZMAN ANGELO A Address: 11350 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737700000 Owner: ASHMAN JOHN; ASHMAN SHARON Address: 11431 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1657900000 Owner: PERLERA JEOVANY; IDALGO EVELYN S Address: 11390 NE 113 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737800000 Owner: BROWN DAVID CONT; BROWN KIMBERLY THOMPSON CONT Address: 11291 NE 113TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1657800000 Owner: KOSINSKI PAUL F; KOSINSKI TAMMY W Address: 11290 NE 115 AVE, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1737900000 Owner: SPELLMAN EBBIN Address: 11491 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential

Parcel ID: 0971502600 Owner: SINGER MICHAEL P; SINGER JENNIFER L Address: 11250 NE 115 AVE, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0971501100 Owner: PEACOCK PATRICIA V Address: 11290 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1741400000 Owner: GREEN PATRICK Address: 11481 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0971501000 Owner: PEACOCK PATRICIA V Address: 11260 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738000000 Owner: CRAIG JOHN; WILLIAMS LATASHA Address: 11470 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740400000 Owner: BELASKA CLARA Address: 11311 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738100000 Owner: COUCH CHRISTOPHER RAY; COUCN SUSANNAH LAWRENCE Address: 11440 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740600000 Owner: BELASKA CLARA Address: 11351 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1741200000 Owner: MILLER CARLTON LENARD; MILLER JUDITH LIVATT; FLOYD JAELYN ALEXANDRIA Address: 11451 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740700000 Owner: MIRAFLORES GROUP LLC Address: 11361 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738200000 Owner: THOMPSON RASHIDA C Address: 11430 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 1740800000 Owner: ING EVERMONT RYAN; PEREZ MURALLES SAYRI JUDITH Address: 11371 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738400000 Owner: LEWIS NATALIE M; LEWIS REGINALD N JR Address: 11370 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972600000 Owner: ELKINS KATHRYN G Address: 11450 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 1738500000 Owner: THORNTON JAMES B; THORNTON NAYMARA Address: 11330 NE 110 LN, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972600100 Owner: ELKINS KATHRYN G Address: 11430 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600200 Owner: WELCOME MERIL A Address: 11390 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972601200 Owner: ONDRICK MARK; ONDRICK SHARON Address: 11451 NE 109TH PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential

Parcel ID: 0972600300 Owner: SAXON CHRISTOPHER MICHAEL; KLACKO NICOLE LEE Address: 11360 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972601300 Owner: GUALLPA LLC Address: None Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600400 Owner: SAXON CHRISTOPHER M Address: 11350 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800500 Owner: SELNAU HENRY E; SELNAU LILLIAN S; SELNAU ALLEN K Address: 11351 NE 108 ST, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600500 Owner: COEN BELINDA -LIFE ESTATE; COEN JEMEMY -ET AL-COEN JOSEPH Address: 11330 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800200 Owner: ADAMS DONALD; ADAMS FREDERICK ET AL; ADAMS JUANITA Address: 11450 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600600 Owner: CHURCH OF SAND HILL INC Address: None Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800100 Owner: HOGAN CHARLES II; HOGAN NICOLE Address: 11490 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972600900 Owner: KAYALI IBRAHIM CEM Address: 11291 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0972800700 Owner: OSBORNE QUINCY LEE JR; OSBORNE EBONY LASHAWN Address: 11451 NE 108 ST, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972601000 Owner BARR RAMONA; BARR TORY Address: 11391 NE 109 PL, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0973000200 Owner: KEENE GLEN B; KEENE DONNA L Address: 11450 NE 108 ST, ARCHER FL 32618 Zoning: Rural Residential Landuse: Rural Residential
Parcel ID: 0972601100 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Rural Residential Landuse: Rural Residential	Parcel ID: 0973000100 Owner: ONDRICK MARK & SHARON Address: None Zoning: Rural Residential Landuse: Rural Residential

Parcel ID: 0322301300 Owner: FLORIDA LAND INVESTMENT GROUP LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321901800 Owner: FLORIDA LAND INVESTMENT GROUP LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656400000 Owner: PATEL VINOD K-TTEE; PATEL RUKHI V-TTEE-ET AL; PATEL FAMILY TRUST Address: 11751 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321901500 Owner: FERRANDO ANGEL; GONZALEZ DALIA Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656500000 Owner: CARLO JOHN L TRS; DR JOHN L CARLO REVOCABLE TR Address: 11771 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321900800 Owner: TIMBERLAKE PRESERVE LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656600000 Owner: CRAIG JOHNNIE S; CRAIG JOHN A Address: 11851 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321901100 Owner: TIMBERLAKE PRESERVE LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656700000 Owner: GRAHAM JAMES F Address: 11951 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1656900000 Owner: ROGERS IAN M Address: 11991 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1656800000 Owner: CORNWELL NANCY S Address: 11991 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657000000 Owner: JENKINS-NELSON FELESIA ANGELEQUE Address: 11950 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0321901700 Owner: FLORIDA LAND INVESTMENT GROUP LLC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657100000 Owner: CORNELL ELIZABETH Address: 11850 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1657200000 Owner: CRAIG JOHN A JR Address: 11790 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657400000 Owner: HOBBS KYLE; HOBBS MORGAN Address: 11650 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 1657300000 Owner: WHITE CHRISTOPHER Address: 11750 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 1657500000 Owner: ABOUZID AHMED M; ABOUZID BETTY JOAN Address: 11590 NE 116 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential

Parcel ID: 1657600000 Owner: HEAGNEY PAUL J JR; ADAMS WILLIAM F ET AL; HEAGNEY GARY M; INFANDE GLORIA J; HEAGNEY STEVEN W Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0322000700 Owner: LOPEZ ELLEN NICOLE Address: 11670 NE STATE ROAD 24, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322100100 Owner: SHEPPARD DOROTHY CELESTE Address: 11851 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0321900000 Owner: WHITEHURST CATTLE CO Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000200 Owner: SOUTHARD JESSICA LAUREN; PARDO JOSHUA ANTHONY Address: 11791 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601400 Owner: HARVEY DAVID E Address: 11531 NE 109 PL, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000300 Owner: OWENS HJORDIS B-TTEE; KIM WALLACE OWENS FAM REV TRUST; OWENS KIM WALLACE-TTEE Address: 11751 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601500 Owner: HAYS ELIZABETH LEIGH; EVANS DAN G-EH LIFE EST; SPENCER ANN EVANS; EVANS MARIE T-EH LIFE EST Address: 11541 NE 109 PL, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000000 Owner: RUTTER MICHAEL J Address: 11651 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601600 Owner: YUJA SAMIR JACOBO; YUJA VERONICA Address: 11631 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000400 Owner: BERTULFO REINALDO BACATAN JR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601700 Owner: RODRIGUEZ MIGUEL ALEXIS; JOHNSON JAMIE LEE Address: 11651 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000100 Owner: RESPETO-HARDY RYAN E; RESPETO-HARDY EMMA LEIGH Address: 11551 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972601800 Owner: THOMPSON JOHN B JR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0322000500 Owner: CLENNEY MITCHELL B; CLENNEY VICTORIA L Address: 11650 NE STATE ROAD 24, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972800000 Owner: DARLING-COLE FRANKIE A Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential

Parcel ID: 0972800900 Owner: LAKE SIMEON W; LAKE KIMBERLY L Address: 11511 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972700700 Owner: RUCCIONE WILLIAM A -EH LIFE ESTATE; RUCCIONE SUZANNE C -EH LIFE ESTATE ET AL-; RUCCIONE VINCENT J Address: 11591 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700500 Owner: COUGHLIN DONALD; COUGHLIN MONIQUE Address: 11550 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972700800 Owner: RUCCIONE VINCENT J; RUCCIONE MONICA M Address: 11651 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700400 Owner: CLEMENTS F JULIETTE; BOWEN TAMARA LYNN Address: 11590 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972700900 Owner: RUCCIONE VINCENT J; RUCCIONE MONICA M Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700300 Owner: DI MATTEO HELEN; NORMAN LINCOLN Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972701000 Owner: FORD DWAYNE; FORD LATACHA Address: 11731 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700200 Owner: THOMPSON JOHN B JR; THOMPSON GLENNETA D Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0972701100 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700100 Owner: THOMPSON JOHN B JR; THOMPSON GLENNETA D Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0973000000 Owner: STOICA PATRICIA-ESTATE Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700000 Owner: THOMPSON JOHN B JR; THOMPSON GLENNETA D Address: 11750 NE 109 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0973000400 Owner: TRIMM JOHN; TRIMM APRIL Address: 11491 NE 107 PL, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0972700600 Owner: MARSHALL DAVID A Address: 11589 NE 108 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0973100300 Owner: TOFFEL DON; TOFFEL OLITA Address: 11590 NE 108 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential

Parcel ID: 0973100200 Owner: FISHER JOYCE; FISHER EDDIE Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0658600000 Owner: BRIGGS LINDA TRS; LINDA BRIGGS REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100100 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0658700000 Owner: BRIGGS LINDA TRS; LINDA BRIGGS REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100000 Owner: MOROWSKI STEVE; MOROWSKI TRACY Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659000000 Owner: MURPHY ROBERT J; BRIGGS LINDA TRS ET AL LINDA BRIGGS REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100400 Owner: POSTMAN ALAN L; SIMON RONALD M Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659100000 Owner: DUNN WAYNE F TRS; WAYNE DUNN REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100500 Owner: ONDRICK MARK; ONDRICK SHARON Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659600000 Owner: MURPHY ROBERT JR; MURPHY GAIL Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100600 Owner: KING JASON; KING EMILY Address: 11691 NE 107 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659700000 Owner: QUINN MIGDALIA Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0973100700 Owner: ASBELL CAMERON; ASBELL MELISA Address: 11751 NE 107 PL, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0659800000 Owner: DUNN WAYNE F TRS WAYNE DUNN REVOCABLE TR Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0326300000 Owner: WILCOX LARRY R SR-EH LIFE EST; WILCOX LARRY JR; WILCOX TONYA; WILCOX PAUL Address: 11851 NE 108 ST, ARCHER FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	Parcel ID: 0660000000 Owner: LARRY & SON INC Address: 12951 NW 60 ST, ARCHER, FL 32618 Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential
Parcel ID: 0660300000 Owner: LARRY & SON INC Address: None Zoning: Agriculture / Rural Residential Landuse: Agriculture / Rural Residential	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

ENVIRONMENTAL RESOURCE PERMIT

Southwest Florida Water Management District
2379 Broad Street, Brooksville, Florida 34604-6899
(352) 796-7211 or 1-800-423-1476 (FL only)
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)
On the Internet at: WaterMatters.org

An Equal Opportunity Employer

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 534-1448 or
1-800-492-7862 (FL only)

Sarasota Service Office
78 Sarasota Center Boulevard
Sarasota, Florida 34240-9770
(941) 377-3722 or
1-800-320-3503 (FL only)

Tampa Service Office
7601 Highway 301 North
Tampa, Florida 33637-6759
(813) 985-7481 or
1-800-836-0797 (FL only)

February 17, 2025

Mildred Johns
2795 Seminole Village Drive
Middleburg, FL 32068

June Stoeber
2795 Seminole Village Drive
Middleburg, FL 32068

Subject: **Notice of Intended Agency Action - Approval**
ERP Individual Construction

Project Name:	Levy Borrow Pit
App ID/Permit No:	894646 / 43047923.000
County:	Levy
Sec/Twp/Rge:	S26/T11S/R17E, S25/T11S/R17E

Dear Permittee(s):

The Southwest Florida Water Management District (District) has completed its review of the application for Environmental Resource Permit. Based upon a review of the information you have submitted, the District hereby gives notice of its intended approval of the application.

The File of Record associated with this application can be viewed at http://www18.swfwmd.state.fl.us/erp/erp/search/ERPSearch.aspx and is also available for inspection Monday through Friday, except for District holidays, from 8:00 a.m. through 5:00 p.m. at the District's Tampa Service Office, 7601 U.S. Highway 301 North, Tampa, Florida 33637.

If you have any questions or concerns regarding the application or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

Robert E. McDaniel, P.E.
Manager
Environmental Resource Permit Bureau
Regulation Division

cc: Anderson Columbia Co., Inc.
Jose Lopez Jr, P.E., Kimley-Horn and Associates, Inc.

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County:	Levy
Sec/Twp/Rge:	S26/T11S/R17E, S25/T11S/R17E

Dear Permittee(s):

The Southwest Florida Water Management District (District) is in receipt of your application for the Environmental Resource Permit. Based upon a review of the information you submitted, the application is approved.

Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action on the permit application described in this letter.

If approved construction plans are part of the permit, construction must be in accordance with these plans. These drawings are available for viewing or downloading through the District's Application and Permit Search Tools located at www.WaterMatters.org/permits.

The District's action in this matter only becomes closed to future legal challenges from members of the public if such persons have been properly notified of the District's action and no person objects to the District's action within the prescribed period of time following the notification. The District does not publish notices of agency action. If you wish to limit the time within which a person who does not receive actual written notice from the District may request an administrative hearing regarding this action, you are strongly 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. Publishing notice of agency action will close the window for filing a petition for hearing. Legal requirements and instructions for publishing notices of agency action, as well as a noticing form that can be used, are available from the District's website at www.WaterMatters.org/permits/noticing. If you publish notice of agency action, a copy of the affidavit of publication provided by the newspaper should be sent to the District's Tampa Service Office for retention in this permit's File of Record.

If you have any questions or concerns regarding your permit or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

Robert E. McDaniel, P.E.
Manager
Environmental Resource Permit Bureau
Regulation Division

Enclosures: Approved Permit w/Conditions Attached
As-Built Certification and Request for Conversion to Operation Phase
Notice of Authorization to Commence Construction
Notice of Rights

cc: Anderson Columbia Co., Inc.
Jose Lopez Jr, P.E., Kimley-Horn and Associates, Inc.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE

INDIVIDUAL CONSTRUCTION
PERMIT NO. 43047923.000

EXPIRATION DATE: **February 17, 2030** **PERMIT ISSUE DATE:** **February 17, 2025**

This permit is issued under the provisions of Chapter 373, Florida Statutes, (F.S.), and the Rules contained in Chapter 62-330, Florida Administrative Code, (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawings, plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). Unless otherwise stated by permit specific condition, permit issuance constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341. All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

PROJECT NAME:	Levy Borrow Pit
GRANTED TO:	Mildred Johns 2795 Seminole Village Drive Middleburg, FL 32068
OTHER PERMITTEES:	June Stoeber 2795 Seminole Village Drive Middleburg, FL 32068

ABSTRACT: This permit authorization is for excavation of a 68.02-acre borrow pit project. The Engineer-of-Record has demonstrated that the borrow pit will completely retain contributing runoff from the 100-year, 24-hour storm event. The project is located southwest of the intersection of NE 115th Avenue and State Road 24, Levy County.

OP. & MAIN. ENTITY:	Mildred Johns
OTHER OP. & MAIN. ENTITY:	June Stoeber
COUNTY:	Levy
SEC/TWP/RGE:	S26/T11S/R17E, S25/T11S/R17E
TOTAL ACRES OWNED OR UNDER CONTROL:	197.92
PROJECT SIZE:	97.99 Acres
LAND USE:	Mining
DATE APPLICATION FILED:	July 03, 2024
AMENDED DATE:	N/A

I. Water Quantity/Quality

POND No.	Area Acres @ Top of Bank	Treatment Type
Pit	68.02	NO TREATMENT SPECIFIED
	Total: **68.02**	

Water Quantity/Quality Comment: The proposed construction activities include the excavation of a new borrow pit. The Engineer-of-Record has demonstrated that there will be no adverse impacts. The plans and calculations reflect the North American Vertical Datum of 1988 (NAVD 88).

A mixing zone is not required.
A variance is not required.

II. 100-Year Floodplain

Encroachment (Acre-Feet of fill)	Compensation (Acre-Feet of excavation)	Compensation Type	Encroachment Result* (feet)
0.00	0.00	No Encroachment	N/A

Floodplain Comment: The project proposes no fill placement within a known 100-year riverine floodplain or depression storage areas associated with 100-year riverine floodplain.

*Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims Minimal Impact type of compensation.

III. Environmental Considerations

No wetlands or other surface waters exist within the project area.

Specific Conditions

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit may be terminated, unless the terms of the permit are modified by the District or the permit is transferred pursuant to Rule 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.
2. The Permittee shall retain the design professional registered or licensed in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the design professional so employed. This information shall be submitted prior to construction.
3. If limestone bedrock is encountered during construction of the stormwater management system, the District must be notified and construction in the affected area shall cease.
4. The Permittee shall notify the District of any sinkhole development in the stormwater management system within 48 hours of discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the District within 30 days of discovery.
5. The Permitted Plan Set for this project includes the set received by the District on September 4, 2024.
6. District staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the District as a permit prior to the dewatering event as a permit modification. A water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.
7. Off-site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the District.
8. The permittee shall complete construction of all aspects of the stormwater management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.
9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:

   a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.

   b. Any existing septic tanks on site shall be abandoned at the beginning of construction.

   c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
10. All stormwater management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
11. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
12. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the

approved project area(s), may constitute grounds for revocation or enforcement action by the District, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.

13. This permit does not authorize the Permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to FWCConservationPlanningServices@MyFWC.com.

14. A “Recorded notice of Environmental Resource Permit,” Form No. 62-330.090(1), shall be recorded in the public records of the County(s) where the project is located.

GENERAL CONDITIONS

1. The general conditions attached hereto as Exhibit "A” are hereby incorporated into this permit by reference and the Permittee shall comply with them.

Robert E. McDaniel, P.E.

Authorized Signature

EXHIBIT A

GENERAL CONDITIONS:

1 The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate, project-specific conditions.

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 62-330.315, F.A.C., or the permit may be revoked and the permittee may be subject to enforcement action.

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, July 2013)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Division of Environmental Assessment and Restoration, Tallahassee, Florida, October 2018)*, which are both incorporated by reference in subparagraph 62-330.350(1)(c), 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,"[effective date], incorporated by reference herein (<http://www.flrules.org/Gateway/reference.asp?No=Ref-02505>), 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. 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 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

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 drawings with "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 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 any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early

colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S. (2012).

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 62-330, F.A.C., or cause violations of state water quality standards.

q. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

r. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

2. In addition to those general conditions in subsection (1) above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in Rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

SOUTHWEST FLORIDA
WATER MANAGEMENT DISTRICT

NOTICE OF
AUTHORIZATION
TO COMMENCE CONSTRUCTION

Levy Borrow Pit
PROJECT NAME

Mining
PROJECT TYPE

Levy
COUNTY

S26/T11S/R17E, S25/T11S/R17E
SEC(S)/TWP(S)/RGE(S)

Mildred Johns
PERMITTEE See permit for additional permittees

APPLICATION ID/PERMIT NO: 894646 / 43047923.000
DATE ISSUED: February 17, 2025

Robert E. McDaniel, P.E.
Issuing Authority

THIS NOTICE SHOULD BE CONSPICUOUSLY DISPLAYED AT THE SITE OF THE WORK

Notice of Rights

ADMINISTRATIVE HEARING

1. You or any person whose substantial interests are or may be affected by the District's intended or proposed action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.

2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of intended or proposed agency action on a consolidated application for an environmental resource permit and use of state-owned submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.

3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.

4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.

5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District intended or proposed action is not available prior to the filing of a petition for hearing.

6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28-106, F.A.C. A request or petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's intended action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C. can be viewed at www.flrules.org or at the District's website at www.WaterMatters.org/permits/rules.

7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Tampa Service Office during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 7601 Highway 301 North,Tampa,FL 33637-6759. Faxed filings must be transmitted to the District Agency Clerk at (813) 367-9788. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at www.WaterMatters.org/about.

JUDICIAL REVIEW

1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by District action may seek judicial review of the District's action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law.

2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency Clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9. 110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.

FLORIDA DEPARTMENT OF TRANSPORTATION ACCESS CONNECTION PERMIT

DRIVEWAY CONNECTION PERMIT FOR ALL CATEGORIES

PART 1: PERMIT INFORMATION

APPLICATION NUMBER: 2024-A-296-00017

Permit Category: B - 21 to 600 VTPD Access Classification:

Project: Levy Borrow Pit (AC)

Permittee: Brian Schreiber

Section/Mile Post: / State Road:

Section/Mile Post: / State Road:

PART 2: PERMITTEE INFORMATION

Permittee Name: Brian Schreiber

Permittee Mailing Address: 871 NW Guerdon Street

City, State, Zip: Lake City, Florida 32055

Telephone: (813) 323-7203 ext. _____

Engineer/Consultant/or Project Manager:

Engineer responsible for construction inspection:
NAME P.E. #

Mailing Address:

City, State, Zip:

Telephone: FAX, Mobile Phone, etc. Fax: / Mobile:

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 2024-A-296-00017
Department of Transportation

Signature: Ronald Lambert Title: MAINTENANCE MANAGER/CONTRACTS & PERMITS

Department Representative's Printed Name Ronald Lambert

Temporary Permit ☐ YES ☑ NO (If temporary, this permit is only valid for 6 months)

Special provisions attached ☑ YES ☐ NO

Date of Issuance: 3/6/2025

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specified in 14-96.007(6).

Approved
2024-A-296-00017
Ronald Lambert
3/6/2025

See following pages for General and Special Provisions

PART 4: GENERAL PROVISIONS

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.
   Phone: 3524936893 , Attention: Robert Webster
2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.
3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.
4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.
5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.
6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.
7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.
8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.
9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.
10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.
11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.
13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility,except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.
14. The Permittee shall be responsible for determining and notify all other users of the right of way.
15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

PART 5: SPECIAL PROVISIONS

NON-CONFORMING CONNECTIONS: ☐ YES ☑ NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.

2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:

PART 6: APPEAL PROCEDURES

You may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. If you dispute the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may petition for a formal administrative hearing pursuant to section 120.57 (1), Florida Statutes. If you agree with the facts stated in the Notice, you may petition for an informal administrative hearing pursuant to section 120.57(2), Florida Statutes. You must file the petition with:

Clerk of Agency Proceedings
Department of Transportation
Haydon Burns Building
605 Suwannee Street, M.S. 58
Tallahassee, Florida 32399-0458

The petition for an administrative hearing must conform to the requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and be filed with the Clerk of Agency Proceedings by 5:00 p.m. no later than 21 days after you received the Notice. The petition must include a copy of the Notice, be legible, on 8 1/2 by 11 inch white paper, and contain:

1. Your name, address, telephone number, any Department of Transportation identifying number on the Notice, if known, the name and identification number of each agency affected, if known, and the name, address, and telephone number of your representative, if any, which shall be the address for service purposes during the course of the proceeding.
2. An explanation of how your substantial interests will be affected by the action described in the Notice;
3. A statement of when and how you received the Notice;
4. A statement of all disputed issues of material fact. If there are none, you must so indicate;
5. A concise statement of the ultimate facts alleged, including the specific facts you contend warrant reversal or modification of the agency's proposed action, as well as an explanation of how the alleged facts relate to the specific rules and statutes you contend require reversal or modification of the agency's proposed action;
6. A statement of the relief sought, stating precisely the desired action you wish the agency to take in respect to the agency's proposed action.

If there are disputed issues of material fact a formal hearing will be held, where you may present evidence and argument on all issues involved and conduct cross-examination. If there are no disputed issues of material fact an informal hearing will be held, where you may present evidence or a written statement for consideration by the Department.

Mediation, pursuant to section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an adminstrative hearing is not affected when mediation does not result in a settlement.

Your petition for an administrative hearing shall be dismissed if it is not in substantial compliance with the above requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code. If you fail to timely file your petition in accordance with the above requirements, you will have waived your right to have the intended action reviewed pursuant to chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

FLORIDA DEPARTMENT OF TRANSPORTATION DRAINAGE CONNECTION PERMIT

DRAINAGE CONNECTION PERMIT

To be completed by DOT

Drainage Connection Permit No. 2024-D-296-00008 Date 8/22/2024

Received By One-Stop Permitting System Maintenance Unit _____

State Road No. _____ Work Program Project No. _____

Section No. _____ Construction Project No. _____

Milepost _____ Station _____ _____

Instructions for Drainage Connection Permit

Pursuant to 14-86.004(5), F.A.C. Once approved by the Department, the drainage connection application and supporting documents become the Drainage Connection Permit."

Each completed Drainage Connection Permit package shall include the following items. If an item does not apply to your project, indicate "Not Applicable" or "N/A."

Included	Part	Title	Completed by:	Special Instructions
✔	1	Permit Information Sheet	Applicant	
✔	2	Certification by a Licensed Professional	Licensed Professional	Signed and Sealed
✔	3	Certification	Applicant	Signature
✔	4	Owner's Authorization of a Representative	Owner	Signature
✔	5	Affidavit of Ownership or Control and Statement of Contiguous Interest	Owner	Signature
✔	6	Permit General Conditions	FDOT	
	7	Permit Special Conditions	FDOT	
	8	As-Built Certification	Licensed Professional	Signed and Sealed – Submit within 15 working days of completion of construction
✔	Attachment	Legal Description		
✔	Attachment	Photographs of Existing Conditions		
✔	Attachment	Location Map		
✔	Attachment	Grading Plan	Licensed Professional	Signed and Sealed
	Attachment	Soil Borings		
	Attachment	Water Table / Percolation		
✔	Attachment	Calculations		
	Attachment	CD with Electronic Files of all Submittal Items		Scanned Images in pdf format

Note: Different Licensed Professionals may complete parts of the permit package. For example, the Licensed Professional signing and sealing the as-built certification may be different from the Licensed Professional who signed and sealed the calculations for the permit package.

EXCEPTIONS: Activities that qualify for an Exception are listed in Rule 14-86, F.A.C. A permit application to the Department is NOT required. However, if you desire verification whether the work qualifies for an exception, send a completed copy of this permit package with its requested information to the applicable FDOT District Office.

PART 1 – Permit Information Sheet

Select one: ☑ **Permit** ☐ **Exception**

Pursuant to 14-86.002(2), F.A.C. "Applicant means the owner of the adjacent property or the owner's authorized representative."

Applicant

Select one: ☐ Property Owner ☑ Owner's Representative (Complete Part 4)

Name: OCALA PERMITS

Title and Company:

Address: 1700 SE 17th Street Suite 200

City: Ocala State: Florida Zip: 34470

Telephone: (352) 438-3000 ext. _____ FAX: _____ Email: ocala.permits@kimley-horn.com

Property Owner (If not applicant)

Name: Mildred Johns

Title and Company:

Address: 2795 SEMINOLE VILLAGE DR

City: MIDDLEBURG State: Florida Zip: 32068

Telephone: (813) 323-7203 ext. _____ FAX: _____ Email: ocala.permits@kimley-horn.com

Applicant's Licensed Professional

Name: Jose Lopez Florida License Number: 86446

Title and Company: Project Manager, Kimley-Horn & Associates, Inc.

Address: 800 SW 2nd Avenue, Suite 100

City: Gainesville State: Florida Zip: 32601

Telephone: (352) 554-9792 ext. _____ FAX: _____ Email: jose.lopezjr@kimley-horn.com

Project Information:

Project Name: Levy Borrow pit/ Sand Mine

Location: SR 24
STREET SR. NO. US HWY NO. CITY

Levy 070
COUNTY SECTION(S) TOWNSHIP(S) RANGE(S)

*Geographic Coordinates: Latitude (DMS.SSS): 29.496631021343 Longitude (DMS.SSS): -82.5823283380255

Benchmark Horizontal Datum: (/ _____.)

* State Plane Coordinates: Northing 0 Easting: 0

Projection Zone: ☐ Florida North ☐ Florida East ☐ Florida West

Coordinate shall be the center of the driveway intersection with FDOT R/W, or, if there is no driveway connection, near the center of the property line nearest the state highway.

**Check with the FDOT Office for requirement.*

Brief description of facility and proposed connection:
The existing land is vacant and partially forested. The proposed use of the land is for a sand mine.

Briefly describe why this activity requires a Drainage Connection Permit (Include where the stormwater will discharge to FDOT right of way):
Project abuts State Road 24.

PART 2 – Certification by a Licensed Professional

In accordance with Rule 14-86, Florida Administrative Code (F.A.C.), I hereby certify that the following requirements are and/or will be met.

This project has been designed in compliance with all applicable water quality design standards as required by state or federal governmental entity(ies).

14-86.004(3)(f) (F.A.C.): Certification by a Licensed Professional that the complete set of plans and computations complies with one of the following Rules Sections:

☒ 14-86.003(2)(a) (F.A.C.), or ☐ 14-86.003(2)(b) (F.A.C). (check one)

I further certify that a National Pollutant Discharge Elimination System (NPDES) permit for stormwater discharges associated with industrial activity from construction sites

☐ is required ☒ is not required. (check one)

I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

This certification shall remain valid for any subsequent revision or submittal of plans, computation or other project documents by me.

Name of Licensed Professional: Jose Lopez

Florida License Number: 86446

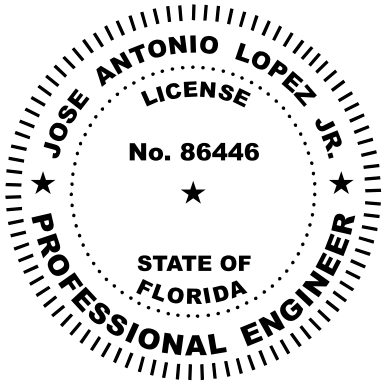
Company Name (if applicable): Kimley-Horn & Associates, Inc.

Certificate of Authorization Number (if applicable): _____

Address: 800 SW 2nd Avenue, Suite 100

City: Gainesville State: Florida Zip: 32601

Telephone: (352) 554-9792 ext. _____ Fax: _____ Email: jose.lopezjr@kimley-horn.com



_____
Signature of Licensed Professional

_____
Date

(Affix Seal)

PART 3 – Certification by Applicant

I hereby certify that the information in this submittal is complete and accurate to the best of my knowledge.

Applicant's Signature: _____ Date: 6-26-2024

Name (Printed): Joshua McDougal

Title and Company: PM, Anderson Columbia Co., Inc.

Address: 871 NW Guerdon Street, Lake City, Florida 32055

Phone Number: (386)752-7585 ext. 215 E-mail address: ocala.permits@kimley-horn.com

PART 4 – Owner's Authorization of a Representative

I (we), the owner, Mildred Johns & June Stoeber, do hereby authorize the following person, or entity, as my representative:

Name (Printed): Joshua McDougal

Title and Company: PM, Anderson Columbia Co., Inc.

Address: 871 NW Guerdon Street, Lake City, Florida 32055

Phone Number: (386)752-7585 ext. 215 E-mail address: ocala.permits@kimley-horn.com

Mildred M. Johns - P.O.A.

Part 5 – Affidavit of Property Ownership or Control and Statement of Contiguous Interest

I, Mildred Johns & June Stoeber, certify that I own or lawfully control the following described property:
Levy County Parcel ID: 0322100200

Does the property owner own or have any interests in any adjacent property?
☑ No ☐ Yes If yes, please describe.

Mildred M. Johns - P.O.A.

Owner's Signature required for Parts 4 and/or 5

We will not begin on the drainage connection until I receive the Permit and I understand all the conditions of the Permit. When work begins on the connection, I am accepting all conditions listed in the Permit.

Name (Printed): Mildred Johns & June Stoeber

Address: 2795 SEMINOLE VILLAGE DR, MIDDLEBURG, Florida 32068

Phone Number: 352-514-1362

Signature: Mildred M. Johns Date: 7-1-2024

7-1-2024 P.O.A.

PART 6 – Permit General Conditions

1. This permit is a license for permissive use only and does not convey any property rights either in real estate or material, or any exclusive privilege and it does not authorize any injury to private property or invasion of private rights, or any infringement of Federal, State or local laws, rules or regulations; nor does it obviate the necessity of obtaining any required state or local approvals.

2. The drainage connection as authorized herein shall be constructed and thereafter maintained in accordance with the documents attached hereto and incorporated by reference herein. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions. Such construction shall be subject to the inspection and approval of the Department, and the Department may at any time make such inspections as it deems necessary to assure that the drainage connection is in compliance with this permit.

3. The entire expense of construction within the Department right of way, including replacement of existing pavement or other existing features, shall be borne by the permittee.

4. The permittee shall maintain that portion of the drainage connection authorized herein located on permittee's property in good condition. The Department shall maintain that portion of the drainage connection authorized herein located within its right of way.

5. If the drainage connection is not constructed, operated or maintained in accordance with this permit, the permit may be suspended or revoked. In this event modification or removal of any portion of the drainage connection from the Department's right of way shall be at the permittee's expense.

6. The Department reserves the right to modify or remove the drainage connection to prevent damage or in conjunction with road improvements.

7. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the Department's right, title, and interest in the land to be entered upon and used by the permittee, and the permittee will, at all times, assume all risk of and indemnify, defend and save harmless the Department from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said permittee of these rights and privileges, regardless of the respective degrees of fault of the parties.

8. Utilities, including gas lines, may exist within the right of way. Prior to beginning work the permittee shall contact Sunshine State One Call of Florida, Inc at 811 or 800-432-4770, who will notify all utility owners near the scheduled project. The utility owners have two (2) full business days to provide locations of their respective facilities. The permittee shall be solely responsible for any damage to or conflicts with gas lines, utilities and/or third persons.

9. The permittee shall notify the Department of Transportation Maintenance Office located at _____ Phone _____ 48 hours in advance of starting any work on the drainage connection authorized by this permit and also 24 hours prior to any work within the Department's right of way. Construction of any work on the right of way shall be completed within _____ days after such notification. If such construction is not completed within _____ days after such notification, the permittee shall notify the Department of the anticipated completion date.

10. This permit shall expire if construction on the drainage connection is not begun within one year from the date of approval and if construction on the drainage connection is not completed by (Date) 3/6/2026.

11. A permittee may request an extension of the Drainage Connection Permit expiration date by filing a written request for a permit time extension. All requests for time extensions must be received by the Department 15 working days prior to the expiration date.

12. All the provisions of this permit shall be binding on any assignee or successor in interest of the permittee.

PART 7 – Permit Special Conditions – To be completed by FDOT

The above request has been reviewed and has been found to meet the regulations as prescribed in Rule 14-86, F.A.C., and is hereby approved, subject to the following special conditions:

Department of Transportation:

Signature Ronald Lambert

Title MAINTENANCE MANAGER/CONTRACTS & PERMITS Date 3/6/2025

Approved
2024-D-296-00008
Ronald Lambert
3/6/2025

PART 8 – As-Built Certification

Within 15 working days of completion of construction, you must send this certification to the Department office in which you filed your DOT Drainage Permit.

1. STORMWATER FACILITY INFORMATION

Permit No.: _____

Source (Project) Name: _____

Source Location: Street _____

City: _____ County: _____

Source Owner: _____

Owner Address: _____

2. AS-BUILT CERTIFICATION

I hereby certify that this stormwater facility has been built substantially in accordance with the certified design plans, and that any substantial deviations (noted below) will not prevent the facility from functioning in compliance with the requirements of Chapter 14-86 F.A.C. when properly maintained and operated. These determinations have been based upon on-site observation of construction, scheduled and conducted by me or by a project representative under my direct supervision.

Name of Licensed Professional: _____

Florida License Number: _____

Company Name (if applicable): _____

Certificate of Authorization Number (if applicable): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____ Email: _____

_____
Signature of Licensed Professional

_____
Date

(Affix Seal)

Substantial deviations from the approved plans and specifications (attach additional sheets if required).

_____

BIOLOGICAL AND ENVIRONMENTAL SITE ASSESSMENT

Biological
And
Environmental Site Assessment

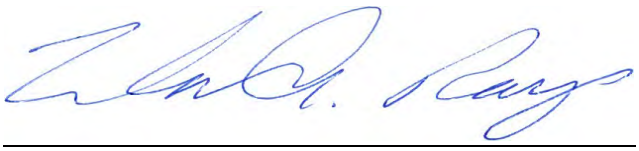
Prepared for

Levy County Borrow Pit Site

Levy County, Fl.

Prepared by
Ray and Associates
Planning and Environmental
William (Bill) A. Ray, AICP & Environmental Specialist
352-425-8881

wrayassoc@aol.com



William A. Ray, AICP, Senior Environmental Specialist

January 25th, 2023

Updated October 28th, 2024

Table of Contents

I. Project Description

The subject 99.0$^{+/-}$ Acre Site is located in Levy County. The subject property southeast of SR 24, is identified as Section 26, Township 11, Range 17 and is further identified by the Levy County Property Appraiser as:

Parcel Number	Acreage$^{+/-}$
0322100200	99.0$^{+/-}$
Total	**99.0$^{+/-}$**

(See Exhibit 1-Location Map and Exhibit 2-Site Aerial Map).

The total site area project consists of approximately 99.0$^{+/-}$ Acres. The subject site is currently vacant and undeveloped.

The property owner is proposing to, clear, grade and construct infrastructure in accordance with local land development regulation.

Land Use types adjacent the project area includes low residential housing, open land, and tree plantations to the North, East, West and South of the property. The project obtains primary access via N State Road 24 adjacent to the northwest.

A "*Phase I Environmental Site Assessment"* may be completed by others. This report does not address CERCLA compliance or associated requirements.

Survey Methodology

Pedestrian Surveys were conducted based upon North-South Transects beginning on the north property line with an approximate Total of 14 Transects. A updated Pedestrian Survey was conducted on October 25th, 2024.

Surveys began on site in the mid-afternoon and continued to 5:00 PM. Temperature were in an acceptable range for wildlife observations. Skies were mostly clear.

The approximate location of the Pedestrian Transects can be seen on Exhibit 4.

Current photos of the Site and existing use can be seen on Exhibit 3.

II. Site Description

A. SOILS

Four (4) Soil types is identified on site are per Levy County Soils Report by the NRCS:

6- Candler sand 1% to 5% slopes

Properties and qualities

- *Slope:* 1 to 5 percent
- *Depth to restrictive feature:* More than 80 inches
- *Drainage class:* Excessively drained
- *Runoff class:* Negligible

- *Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None

Interpretive groups

- *Hydrologic Soil Group:* A
- *Hydric soil rating:* No

73- Orlando fine sand, 1% to 5% slopes

Properties and qualities

- *Slope:* 1 to 5 percent
- *Depth to restrictive feature:* More than 80 inches
- *Drainage class:* Well drained
- *Runoff class:* Negligible
- *Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None

Interpretive groups

- *Hydrologic Soil Group:* A
- *Hydric soil rating:* No

20—Astatula fine sand, 1% to 8% slopes

Properties and qualities

- *Slope:* 1 to 8 percent
- *Depth to restrictive feature:* More than 80 inches
- *Drainage class:* Excessively drained
- *Runoff class:* Very low
- *Capacity of the most limiting layer to transmit water (Ksat):*Very high (19.98 to 50.02 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None

Interpretive groups

- *Hydrologic Soil Group:* A
- *Hydric soil rating:* No

For a detailed report and description of these soils see Exhibit 6

B. PLANT COMMUNITETIES and FLORIDA LAND USE, COVER and FORMS CLASSIFICATION

Land use types located within the proposed Project Site were identified through a review of color aerials and site investigations. The on-site land use forms were classified using the Florida Land Use, Cover and Forms Classification System (FLUCFCS) as defined by the Florida Department of Transportation (FDOT, 1999) and the Florida Land Use Cover

Classification System (FLUCCS) as defined by the Florida Department of Environmental Protection (FDEP 2004-2011), see Exhibit 5 – FLUCCS Map.

General:
Site conditions are typical of those found in this region of Levy County. The site has not been cleared for more intensive agricultural development. Because of fire suppression, the subject Sand Pine stand is aging and will be likely be replaced by oak community.

The region is continuing to develop in a suburban/urban manner. There are Three (3) Land Uses Cover identified on the subject site.

Based on information obtained from FDEP, field observations and aerial interpretation, the following land use classifications (FLUCCS) best describe the vegetative communities present on-site and adjacent to the subject site:

Subject site:

1. **FLUCCS – 4120 Longleaf Pine- Xeric Oak**
   This forest type is dominated by longleaf pine trees and can be distinguished from longleaf dominated Pine Flatwoods by the presence of a mid-story canopy of drysite tolerant oaks and hardwoods. This forest community is characteristic of the deep infertile sand-soils of the sandhill provinces. The often poor and irregular stocking of this pine community, revealing its oak mid-story, is a distinguishing feature.

2. **1900 Open Land**
   This category includes undeveloped land within urban areas and inactive land with street patterns but without structures. Open Land normally does not exhibit any structures or any indication of intended use.

3. **1100 Low Density Housing, <2 dwellings per acre**
   Residential land uses range from high-density urban housing developments to low-density rural areas characterized by a relatively small number of homes per acre.

Surrounding and Adjacent Land Use (FLUCFCS):

1. **1100: Low Density Housing, <2 dwellings per acre**
2. **1900: Open Land**
3. **3100: Rangeland, Herbaceous (Dry Prairie)**
4. **3200: Shrub and Brushland**
5. **4400: Tree Plantation**

The region is experiencing consistent development for Suburban uses. The biggest threat to the development of any high-quality wildlife habitat or sustainable natural ecosystem is primarily caused by fire exclusion. Vacant or Open lands become

progressively less suitable for wildlife habitat as more non-fire-resistant plants have established dominance over with time.

Trees & Shrubs

The subject site has historically altered. A portion of the western area has been converted to semi-improved pasture with grasses becoming dominant. The Open Field portion of the site is dominated by Bahia and Bermudagrass and other grasses associated with Central Florida disturbed sites.

The groundcover and majority of the site is dominated by:

Trees:

Live Oak	*(Quercus virginiana)*
Laurel Oak	*(Quercus laurifolia)*
Turkey Oak	*(Quercus laevis)*
Red Bay	*(Persea berbonia)*
Laurel Cherry	*(Prunus laurocerasus)*
Slash Pine	*(Pinus elliottii)*
Long Leaf Pine	*(Pinus palustris)*

Shrubs and Grasses:

Saw Palmetto	*(Serenoa repens)*
Deermoss	*(Cladonia spp.)*
Bracken Fern	*(Pteridium aquilinum)*
American Beauty Berry	*(Callicarpa americana L.)*
Centipede Grass	*(Eremochloa ophiuroides)*
Florida Rosemary/Sand Heath	*(Ceratiola ericoides)*
Broomsedge Grass	*(Andropogon virginicus)*
Bluestem Grass	*(Schizachyrium sp)*
Dogfennel	*(Eupatorium capillifolium)*
Bahaia Grass	*(Paspalum sp.)*
Wire Grass	*(Aristida stricta)*
Cactus	*(Cactaceae)*

This is not intended to be a 100% vegetative survey but rather provide a general acknowledgement of existing vegetation sufficient to provide an understanding of the existing site conditions.

In the natural condition for Florida, periodic fire is important in setting back plant succession and maintaining viable ecosystems. There was no evidence observed on site to indicate any recent, periodic or prescribed fires.

SR 24 forms the northwestern border. The site is located in a developed area of Levy County surrounded by uses that are not conducive to prescribed burning activities. The absence of periodic fires has allowed the ecosystem to change and various non-fire tolerant plant species to become established.

No other Land Uses were observed on the subject site. The existing Land Cover is not Rare, Endangered or ecological unique to Central Florida or the Region.

C. TOPOPGRAPGY

The Topography of the subject site can be seen on Exhibit 7. Elevation on site slopes from the southeast area of the site to the north. Information obtained from FDEP indicates elevations between 130'$^{+/-}$ in the north area to an elevation of approximately 80'$^{+/-}$ in the northeast portion of the site.

D. WETLANDS

The subject site was evaluated for the presence of jurisdictional wetlands. General methodology detailed in Chapter 62-340 of the Florida Administrative Code and the 1987 US Army Corps of Engineers Wetland Delineation Manual was followed. Soils, Flood Planes, Vegetation and other historical information was researched and analyzed during the site investigation.

A review FDEP and the National Wetlands Inventory (NWI) together with Levy County's GIS data base indicate the absence of jurisdictional wetlands on the subject site. Site investigation and field evaluation on January 24th, 2023 and Updated on October 25th, 2024 with no jurisdictional wetlands were observed on the subject site.

See Exhibit 8 for the general location of the jurisdictional wetlands within the region based upon NWI mapping.

E. THREATENED and ENDANGERED SPECIES

A literature review as well as professional experience and knowledge of the region was utilized to identify federally, or state listed species most likely to be found within Levy County, Florida. The Project Site was then evaluated for the presence of those listed species identified by the United States Fish and Wildlife Service (USFWS) and/or the Florida Fish and Wildlife Conservation Commission (FWC). Site reviews were conducted by a Ray and Associates biologist on January 24th, 2024, and again October 25th, 2024 to evaluate the property for potential presence of wildlife listed for protection.

USFWS CONSULTATION AREAS

The U.S. Fish and Wildlife Service establishes "consultation areas" for certain species listed for protection. As a general guideline consultation area only become an issue if USFWS consultation is required, which is typically associated with permitting through the U.S. Army Corps of Engineers. The is recognized that species presence and need for additional review may often determine to be unnecessary early in the permit review process due to lack of appropriate habitat or other conditions. However, the USFWS makes the final determination.

Consultation areas are typically regional in size, typically covering multiple counties where the species in question is known to exist. Consultation areas by themselves do not indicate the presence of a listed species. They only indicate an area where there is a potential for a listed species to occur and that additional review might be necessary to

confirm or rule-out the presence of the species. The additional review typically includes the application of species-specific criteria to rule-out or confirm the presence of the species in question. Such criteria might consist of a simple review for critical habitat types. In other cases, the review might include the need for species-specific surveys using established methodologies that have been approved by the USFWS.

Florida Department of Agriculture and Consumer Services

Florida Department of Agriculture and Consumer Service (FDACS) is the authority designated by the State of Florida under Section 581.185, F.S. to designate and regulate plants listed for protection. This protection, as defined by FDACS, is based upon preventing the illegal collection, transport and sale of "listed plant species". Permitting only occurs in relationship to the collection transport and sale of a listed plant species. FDACS neither regulates nor prohibits the impact of state-listed flora species as a result of site alteration activities. The USFWS does not regulate an endangered/threatened plant on private property as its their determination that the plant belongs to the landowner and continues to grow. However, if the landowner or development entity is utilizing federal funds to develop the property then the associated federal agency participating in the funding must ensure that federal funds are not being used to destroy a federally listed plant. If private money is being utilized, there is no such requirement. As with the State regulations the federal endangered species law is primarily related to the collection, transportation and sale of a lant listed for protection. It is noted that it is illegal to collect, destroy or otherwise harm listed plants on federal land.

GOPHER TORTOISE (*Gopherus polyphemus)*

Potentially Occupied and Abandoned, Gopher Tortoise burrows were observed on the project site. Gopher tortoises are a threatened wildlife species by the Florida Fish and Wildlife Conservation Commission (FWC) and are protected by state law, Chapter 68A–27, Florida Administrative Code. In accordance with the requirements of Rules 68A-25.002 and 68A-27.004 (F.A.C.), a permit for a gopher tortoise capture/relocation/release activity must be secured from FWC before initiating any relocation work. Gopher tortoises must be relocated or impacts to their burrows avoided in accordance with FWC Guidelines before any land clearing for development takes place. Property owners must obtain permits from the Florida Fish and Wildlife Conservation Commission before they can move or relocate any Gopher Tortoises.

It is recommended that 90 days prior to site development a physical survey for the Presence/Absence of Potential Occupied, or Abandoned Gopher Tortoise Borrows be completed in accordance with FWC Gopher Tortoise Guidelines. If Potentially Occupied Gopher Tortoise Burrows are identified at that time then FWC regulations governing Gopher Tortoise protection, burrow excavation, relocation and mitigation are to be complied with.

EASTERN INDIGO SNAKE (*Drymarchon corais couperi)*

During site surveys conducted for Active, Inactive/Potential Occupied or Abandoned

Gopher Tortoise Burrows in compliance with the most current FWC Gopher Tortoise Permitting Guidelines, a pedestrian survey for Eastern Indigo Snakes will also be completed following the FWS **September 2011 Survey Protocol for the Eastern Indigo Snake, Drymarchon couperi, in North and Central Florida.**

Prior to any clearing/land alteration activities and/or during any excavation activities associated with Gopher Tortoise relocation, it is recommended the applicant agree to implement the **AUGUST 12, 2013, STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE** on the subject site.

Florida Pine Snake *Pituophis melanoleucus mugitus* or Short Tailed Snake *Stilosome extenuatum*: If either of these species is observed during excavation of any Gopher tortoises' burrows or future site work it is recommended, as with Indigo Snakes, that work activities cease and the snake be allowed to leave on its own accord.

FLORIDA SCRUB-JAY (Aphelocoma coerulescens)

Currently the Florida Scrub-Jay is listed as threatened by the USFWS. Florida Scrub Jays are largely restricted to scattered, often small and isolated patches of sand pine scrub, xeric oak, scrubby flatwoods, and scrubby coastal stands in peninsular Florida (Woolfenden 1978a, Fitzpatrick et al. 1991). They avoid wetlands and forests, including canopied sand pine stands. Optimal Scrub-Jay habitat is dominated by shrubby scrub, live oaks, myrtle oaks, or scrub oaks from 1 to 3 m (3 to 10 ft.) tall, covering 50% to 90 % of the area; bare ground or sparse vegetation less than 15 cm (6 in) tall covering 10% to 50% of the area; and scattered trees with no more than 20% canopy cover (Fitzpatrick et al. 1991).

No Scrub Jays were observed during the wildlife survey conducted by Ray and Associates. No suitable habitat was observed on the subject site. The Upland portion of the site proposed for alteration is comprised of a densely vegetated site with tall trees that have been found to be utilized by bird species that prey on Scrub Jays As the site is in the Scrub Jay Consultation Area a formal Scrub-Jay survey could be required by the USFWS to determine if Scrub Jays exist on the subject property. Formal surveys may be conducted between March 1 through October 31 and be conducted for five (5) consecutive days on calm, clear days about one hour after sunrise, and should terminate before midday heat or wind. Transects may be driven or walked and a broadcast of calls is required at each station for at least 1 minute in all four directions, emphasizing any direction in which low growing oak scrub is the predominant vegetation. A formal survey would also include a report detailing development implications and mitigation that will be required, in the event a presence was confirmed on the subject property.

Additional protected species investigated for possible impact:

Florida Bald Eagle, Haliaeetus leucocephalus
Information and data obtained by FWC was used to locate documented bald eagle nesting territories and to view their locations in map form. (http://www.myfwc.com/eagle/eaglenests/nestlocator.aspx#search)

No Bald Eagle Nest have been previously identified or documented by FWC within 0.25 mile of the subject site. During recent site investigations and ecological surveys, no Bald Eagle Nests were observed on or near the subject site.

No other protected animal species were observed or identified on the subject site. No Critical or Essential Habitat of a Listed Species was identified on the subject site. No evidence observed in the field indicated the presence of:

Florida Sandhill Crane	*Grus canadensis pratensis*	ST
Little Blue Heron	*Egretta caerulea*	ST
Tricolored Heron	*Egretta tricolor*	ST
Wood Stork	*Mycteria americana*	FT/ST
Everglades Snail Kite	*Rostrhamus sociabilis plumbeus*	FE
Florida mouse	*Peromyscus floridanus*	SSC
Eastern Indigo Snake	*Drymarchon corais couperi*	FT
Short-tailed snake	*Stilosome extenuatum*	ST
Florida Pine snake	*Pituophis melanoleucus mugitus*	SSC
Red Rat snake	*Elaphe guttata*	SSC
Florida Scrub-Jay	*Aphelocoma coerulescens*	ST
Burrowing Owl	*Athene cuniculari*	SSC
Red-Cockaded Woodpecker	*Picoides borealis*	FE
Southeastern American Kestrel	*Falco sparverius paulus*	ST
Sand Skink	*Neoseps reynoldsi*	FT

Plants

Britton's beargrass	*Nolina brittoniana*	FE
Florida bonamia	*Bonamia grandiflora*	FT
Lewton's polygala	*Polygala lewtonii*	FE
Papery whitlow-wort	*Paronychia chartacea*	FT
Pigeon Wings	*Ciltoria frangrans*	FE
Pygmy Fringe-tree	*Chionanthus pygmaeus*	FE
Scrub buckwheat	*Eriogonum longifolium var. gnaphalifolium*	FT
Scrub plum	*Prunus geniculata*	FE
Wide-leaf warea	*Warea amplexifolia*	FE

The location of Pedestrian Transects can be found on Exhibit 4.

III. Conclusions and Recommendations

The Project Site is bounded on the northwest by SR 24. The property is surrounded by low density housing to the north and south, open land to the south and west, and tree plantations to the east.

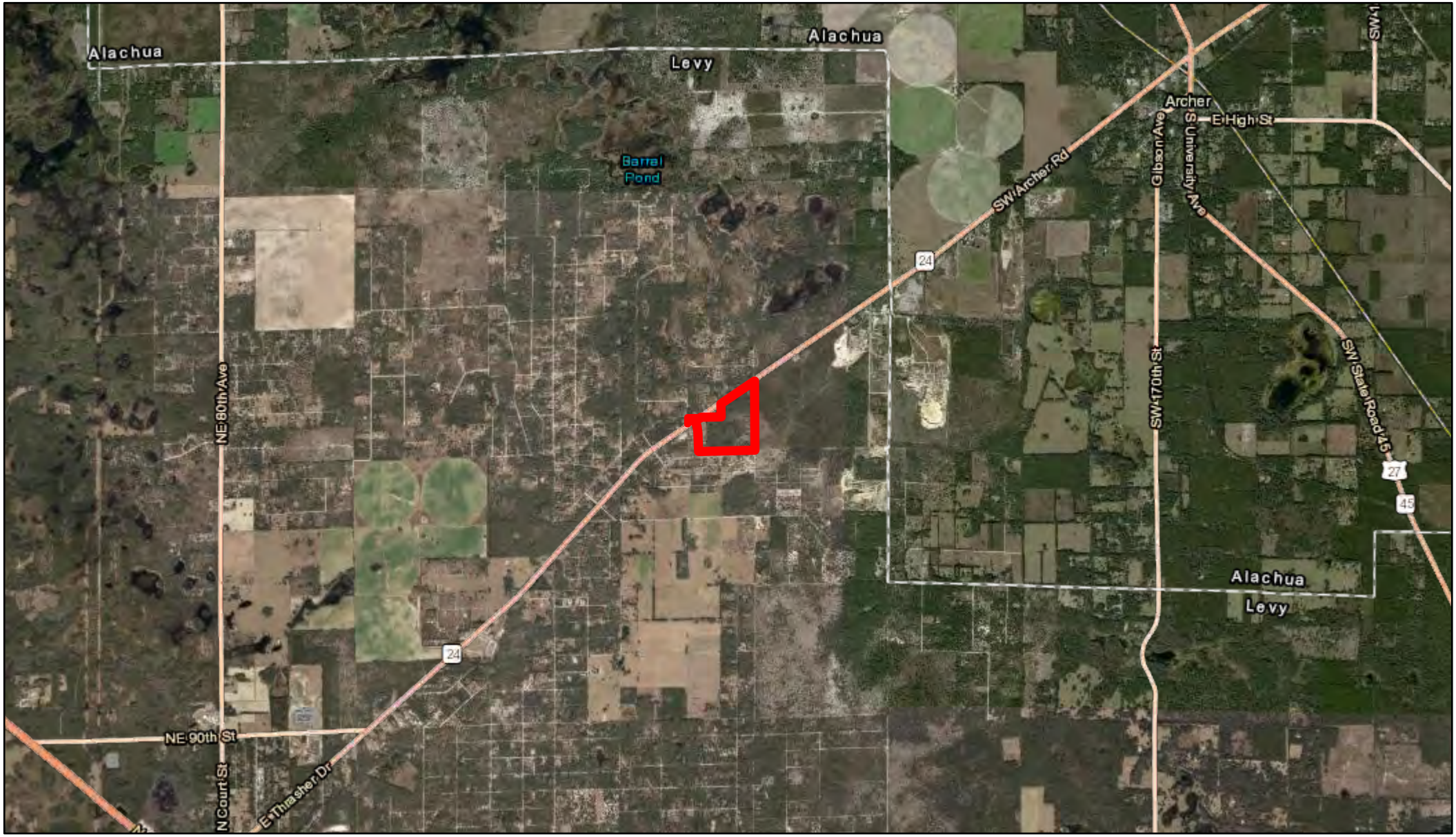
Property Owner is proposing to develop the subject site compatible with surrounding development patterns.

At the time of this survey Potentially Occupied Gopher Tortoise burrows were observed on the subject site. It is recommended that 90 days prior to site development a Gopher Tortoise Survey, Excavation, Capture and Relocation be completed in accordance with FWC regulations. All Potentially Occupied Gopher tortoise burrows located in areas proposed for development should be excavated and all captured Gopher Tortoises be relocated in accordance with FWC guidelines. During the Gopher Tortoise Burrow excavation process it is also recommended the applicant agree to implement the **AUGUST 12, 2013, STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE** on the subject site.

Florida Pine Snake or Short Tailed Snake: If either Florida Pine Snake *(Pituophis melanoleucus mugitus)* or Short Tailed Snake *(Stilosome extenuatum)* is observed during excavation of any Gopher tortoises' burrows or future site work it is recommended, as with Indigo Snakes, that work activities cease and the snake be allowed to leave on its own accord.

After a review of available information, field investigations, consultation with regulatory agencies, and analysis of the subject site it is the conclusion of Ray and Associates that the subject site should be approved and allow development as proposed provided there is demonstration of compliance with Federal, State and Local environmental regulations.

Exhibit 1: Location



December 5, 2022

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Map created by Map Direct, powered by ESRI.

Exhibit 2: Aerial

December 5, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Map created by Map Direct, powered by ESRI.

Typical Site: Northeast to Northwest Border View

Typical Site: Central North to South View

Typical Site: Southeast to West Border View

Typical Site: Central East to West View

Ray and Associates
Planning & Environmental
2712 SE 29th ST, Ocala, Florida 34471
352-425-8881
wrayassoc@aol.com

Exhibit 3: Site Photos
Levy County Mine Site / Parcel ID: 0322100200 / 99.0$^{+/-}$ Acres / Sec 26, Tw 11, Rng 17 / Levy County, Florida.

Typical Site: South to North View (debris on site)

Typical Site: South to North View

Typical Site: East to Southwest Border View (Second Parcel)

Typical Site: Central North to Southwest View

Exhibit 4: Transects

December 5, 2022

1:18,056

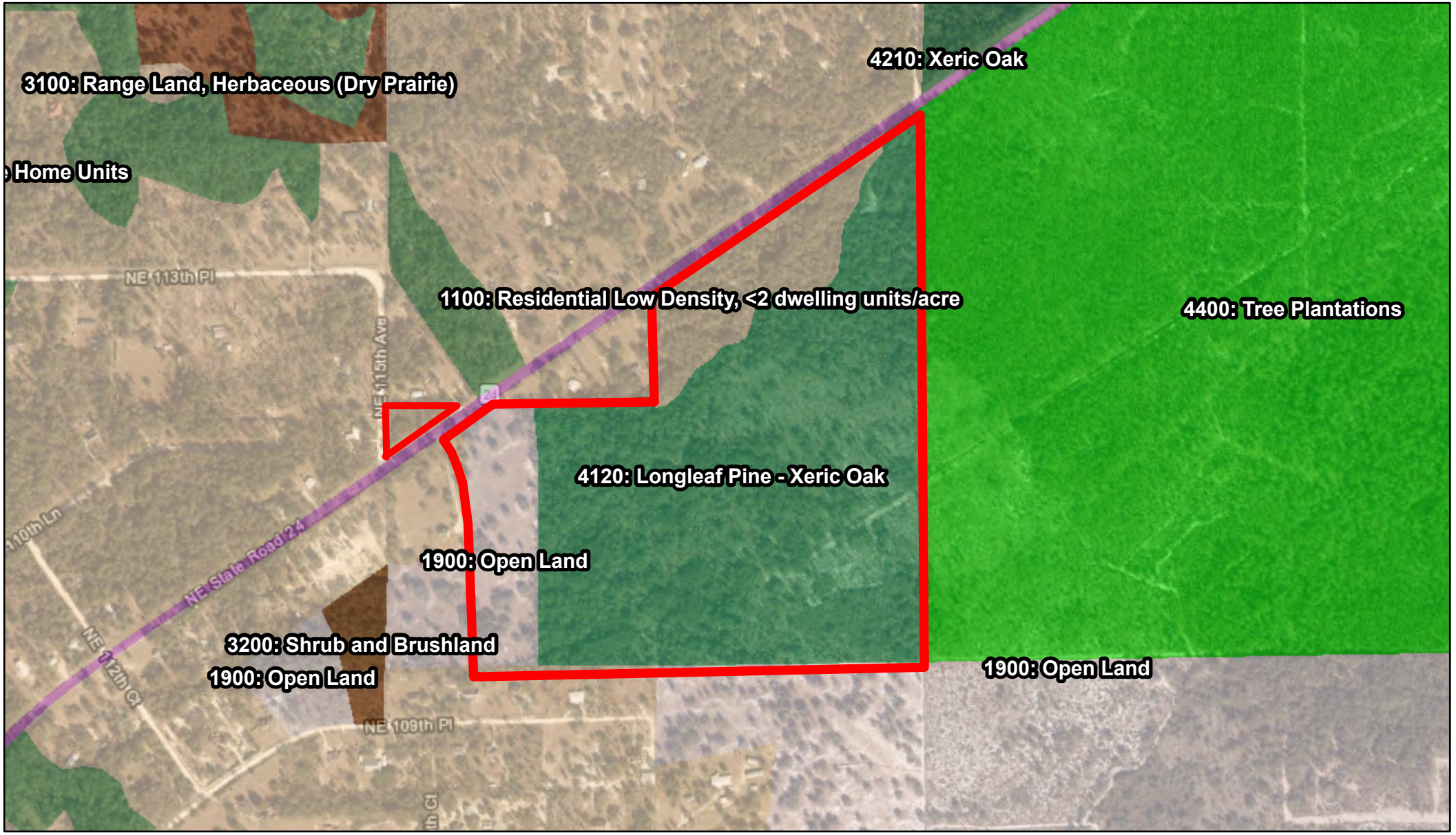
0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Map created by Map Direct, powered by ESRI.

Exhibit 5: FLUCFCS



December 5, 2022

Statewide Land Use Land Cover

- Residential Low Density
- Open Land
- Herbaceous
- Shrub and Brushland
- Upland Coniferous Forests
- Upland Hardwood Forests
- Upland Mixed Forests
- Tree Plantations
- Transportation

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

SRWMD, SJRWMD, SFWMD, SWFWMD, NWFWMD, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Map created by Map Direct, powered by ESRI.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Levy County, Florida

December 5, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (Exhibit 6: Soil Report)

Map Scale: 1:6,310 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 300 600 1200 1800

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Levy County, Florida
Survey Area Data: Version 19, Sep 1, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 9, 2022—Feb 10, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Exhibit 6: Soil Report)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6	Candler fine sand, 1 to 5 percent slopes	89.7	90.6%
73	Orlando fine sand, 1 to 5 percent slopes	3.3	3.3%
76	Astatula fine sand, 1 to 8 percent slopes	6.0	6.1%
Totals for Area of Interest		**99.0**	**100.0%**

Map Unit Descriptions (Exhibit 6: Soil Report)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Levy County, Florida

6—Candler fine sand, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2ttl5
Elevation: 50 to 150 feet
Mean annual precipitation: 56 to 64 inches
Mean annual air temperature: 66 to 73 degrees F
Frost-free period: 254 to 284 days
Farmland classification: Not prime farmland

Map Unit Composition

Candler and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Candler

Setting

Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Eolian deposits and/or sandy and loamy marine deposits

Typical profile

A - 0 to 6 inches: fine sand
E - 6 to 60 inches: fine sand
E and Bt - 60 to 80 inches: fine sand

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: A
Forage suitability group: Sandy soils on ridges and dunes of xeric uplands (G154XB111FL)
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G154XB111FL)
Hydric soil rating: No

Minor Components

Adamsville

Percent of map unit: 3 percent
Landform: Knolls on marine terraces, rises on marine terraces
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G154XB131FL)
Hydric soil rating: No

Millhopper

Percent of map unit: 3 percent
Landform: Rises on marine terraces, flats on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G154XB121FL)
Hydric soil rating: No

Apopka

Percent of map unit: 3 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G154XB111FL)
Hydric soil rating: No

Popash

Percent of map unit: 2 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G154XB145FL)
Hydric soil rating: Yes

Sparr

Percent of map unit: 2 percent
Landform: Flats on marine terraces, rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G154XB131FL)
Hydric soil rating: No

Placid, depressional

Percent of map unit: 2 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip

Down-slope shape: Concave
Across-slope shape: Concave
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G154XB145FL)
Hydric soil rating: Yes

73—Orlando fine sand, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1jghn
Elevation: 10 to 350 feet
Mean annual precipitation: 56 to 64 inches
Mean annual air temperature: 66 to 73 degrees F
Frost-free period: 254 to 284 days
Farmland classification: Not prime farmland

Map Unit Composition

Orlando and similar soils: 92 percent
Minor components: 8 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Orlando

Setting

Landform: Ridges on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits over fluviomarine deposits

Typical profile

A - 0 to 11 inches: fine sand
C - 11 to 80 inches: fine sand

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 3.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: A
Forage suitability group: Sandy soils on ridges and dunes of xeric uplands (G152AA111FL)
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G152AA111FL)
Hydric soil rating: No

Minor Components

Bonneau
Percent of map unit: 1 percent
Landform: Knolls on marine terraces, rises on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Other vegetative classification: Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G152AA221FL)

Placid, depressional
Percent of map unit: 1 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G152AA145FL)
Hydric soil rating: Yes

Popash
Percent of map unit: 1 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G152AA145FL)
Hydric soil rating: Yes

Adamsville
Percent of map unit: 1 percent
Landform: Knolls on marine terraces, rises on marine terraces
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G152AA131FL)
Hydric soil rating: No

Tavares
Percent of map unit: 1 percent
Landform: Flats on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G152AA121FL)
Hydric soil rating: No

Millhopper

Percent of map unit: 1 percent
Landform: Flats on marine terraces, rises on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G152AA121FL)
Hydric soil rating: No

Apopka

Percent of map unit: 1 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G152AA111FL)
Hydric soil rating: No

Sparr

Percent of map unit: 1 percent
Landform: Flats on marine terraces, rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G152AA131FL)
Hydric soil rating: No

76—Astatula fine sand, 1 to 8 percent slopes

Map Unit Setting

National map unit symbol: 1jghr
Elevation: 30 to 150 feet
Mean annual precipitation: 56 to 64 inches
Mean annual air temperature: 66 to 73 degrees F
Frost-free period: 254 to 284 days
Farmland classification: Not prime farmland

Map Unit Composition

Astatula and similar soils: 96 percent
Minor components: 4 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Astatula

Setting

Landform: Hills on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve, side slope

Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Eolian or sandy marine deposits

Typical profile

A - 0 to 5 inches: fine sand
C - 5 to 80 inches: fine sand

Properties and qualities

Slope: 1 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 50.02 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Forage suitability group: Sandy soils on ridges and dunes of xeric uplands (G152AA111FL)
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G152AA111FL)
Hydric soil rating: No

Minor Components

Placid, depressional

Percent of map unit: 1 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G152AA145FL)
Hydric soil rating: Yes

Millhopper

Percent of map unit: 1 percent
Landform: Flats on marine terraces, rises on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G152AA121FL)
Hydric soil rating: No

Apopka

Percent of map unit: 1 percent
Landform: Knolls on marine terraces, ridges on marine terraces

Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G152AA111FL)
Hydric soil rating: No

Sparr

Percent of map unit: 1 percent
Landform: Flats on marine terraces, rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G152AA131FL)
Hydric soil rating: No

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

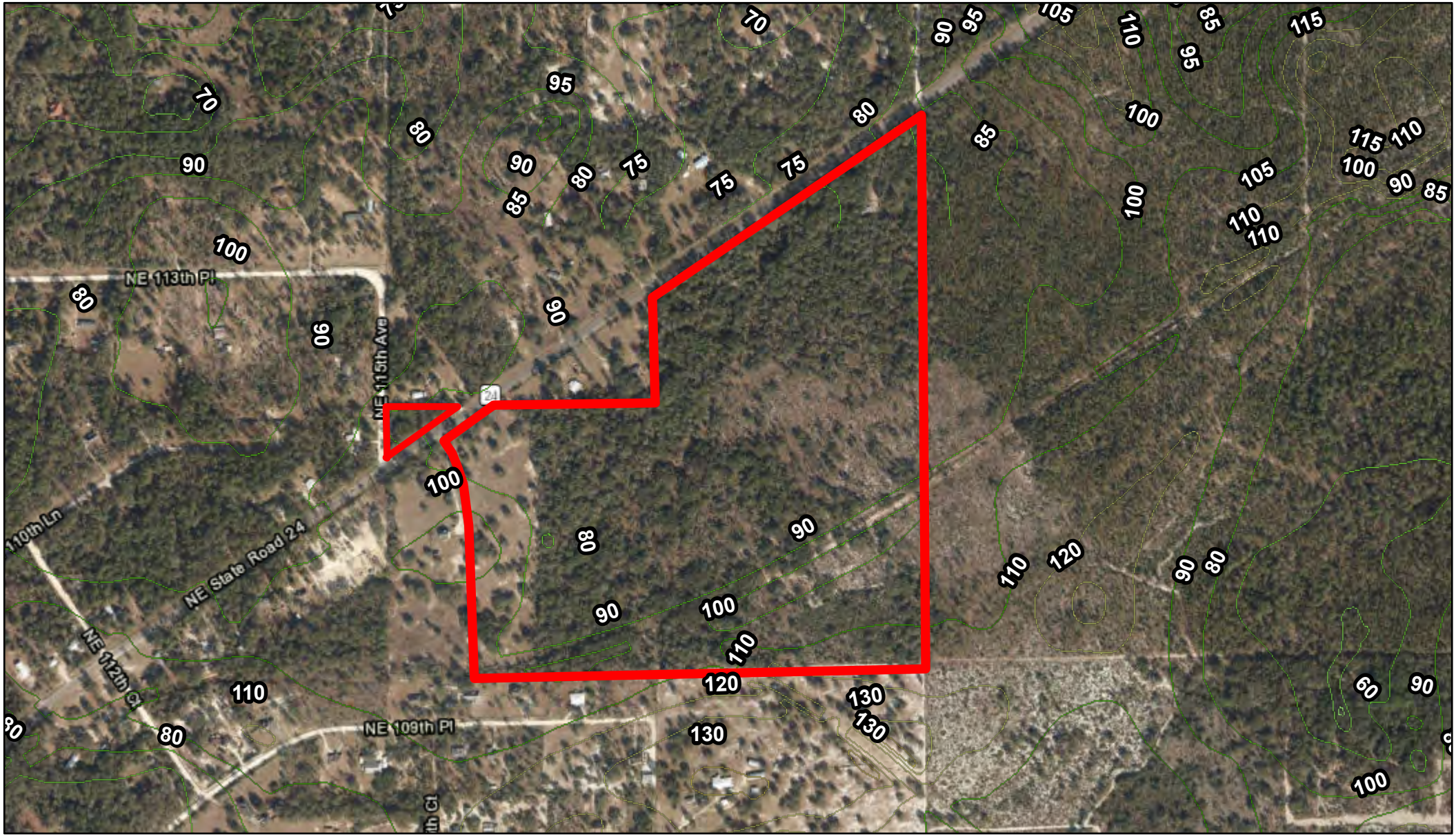
United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Exhibit 7:Topography



December 5, 2022

Elevation Contours and Depressions

- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 125
- 125 - 150

1:9,028

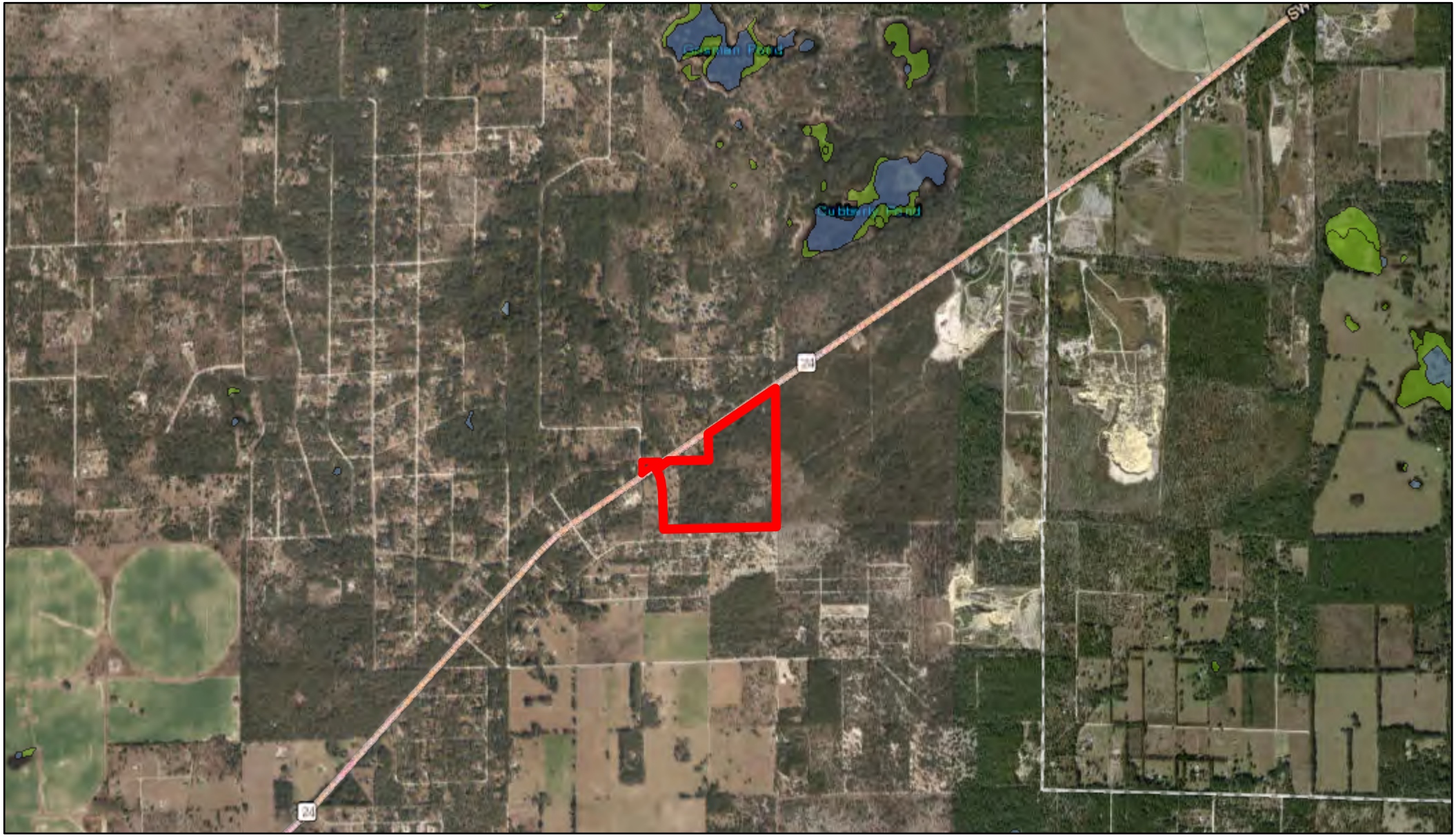
0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, U.S. Geological Survey U.S. Geological Survey Sioux Falls, SD. QA and corrections to the data were

Map created by Map Direct, powered by ESRI.

Exhibit 8: Wetlands



December 5, 2022

National Wetlands Inventory (areas)

Freshwater Emergent Wetland

Freshwater Pond

1:36,112

0 0.28 0.55 1.1 mi

0 0.42 0.85 1.7 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, FDEP

Map created by Map Direct, powered by ESRI.

Exhibit 9: Bald Eagle Nest Locations

December 5, 2022

FWC Eagle Nests - 660 Foot Buffer

1:36,112

0 0.28 0.55 1.1 mi

0 0.42 0.85 1.7 km

GEOTECHNICAL SITE EVALUATION

GEO-TECH, INC.

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

May 16, 2024
Project No. 23-264.29.1

Zeb Cheshire
Anderson Columbia Company, Inc.
P.O. Box 1829
Lake City, Florida 32056

Reference: Proposed Borrow Pit, Parcel No. 0322100200, NE State Road 24, Archer, Florida
Preliminary Geotechnical Site Evaluation

Dear Mr. Cheshire:

Geo-Technologies, Inc. (Geo-Tech) completed a preliminary geotechnical evaluation of the project site as requested by you. Services were conducted in accordance with portions of Geo-Tech Proposal No. 13032 Revision B dated February 15, 2023.

Our findings and preliminary evaluations are presented in the following report. Generally accepted soils and foundation engineering practices were employed in the preparation of this report.

Geo-Tech appreciates the opportunity to provide our services for this project. Should you have any questions regarding the contents of this report or if we may be of further assistance, please do not hesitate to contact the undersigned.

Sincerely,

Grady N. Polk, E.I.
Staff Engineer

GNP/CAH

CRAIG AUSTIN HAMPY LICENSE No 83240 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/17/24

Craig A. Hampy, P.E.
Florida Registration No. 83240

Purposes
Purposes of this preliminary evaluation were to characterize subsurface soils conditions at the site to provide our findings.

Site Description
The site is located at Parcel No. 0322100200 on the south side of NE State Road 24 in Archer, Florida. The site was covered with native trees and grasses at the time of drilling.

Field Exploration Program
Field exploration services for this geotechnical site evaluation consisted of the following:

- Thirteen (13) direct push borings to depths of approximately thirty-five (35) feet below existing site grade in accessible areas of the site (ASTM D6282 [disc.]). Direct push borings were performed on April 30, 2023.

- Four (4) laboratory vertical permeability tests on soil samples retrieved from the proposed drainage retention areas soil borings. Laboratory permeability testing was performed on May 5, 2023.

Boring locations were provided by Kimley-Horn on their Soil Boring Location Map dated March 2023.

Sampling & Testing Descriptions

Direct Push Boring
Direct push borings were performed in accordance with discontinued ASTM D6282. This direct push sampling method consists of advancing a sampling device into subsurface soils by applying static pressure, impacts, vibration, or any combination thereof, to the sampler extensions until the sampler has been advanced to the desired depth. The sampler is recovered from the borehole and removed from the sampler. Sampling can be continuous or incremental for specific sampling.

Soil samples recovered during the performance of our direct push borings were transported to our laboratory for further analysis.

Gradation (-200) Testing
Gradation (-200) testing is used to determine the percentage of fine material in a soil sample by washing over a seventy-five (75) µm (No. 200) sieve. Clay and other particles dispersed by washing, as well as water-soluble materials, are removed from the soil sample during testing. The loss in mass resulting from washing is calculated as mass percent of the original sample. This value is reported as the percentage of material finer than a seventy-five (75) µm (No. 200) sieve.

Findings
General subsurface conditions found in borings are graphically presented on the soil profiles in Appendix I. Horizontal lines depicted on the soil profiles designate interfaces between differing materials and represent approximate boundaries.

Soils found in borings SB-01, SB-02, SB-03 and SB-06 thru SB-13 generally consisted of a surficial layer of fine sand ranging from approximately eleven and one-half (11 ½) to twenty-four (24) feet thick underlain by clayey sand to the depths drilled.

Soils found in boring SB-04 generally consisted of a surficial layer of fine sand approximately thirteen (13) feet thick underlain by clayey sand, slightly sandy clay and limestone to the depth drilled.

Soils found in boring SB-05 generally consisted of a surficial layer of fine sand approximately fourteen (14) feet thick underlain by clayey sand and slightly sandy clay to the depth drilled.

Groundwater was not found in our borings at the time of drilling.

Seasonal High Water Table Levels

Estimated seasonal high water table levels were found in our borings at depths ranging from approximately eleven and one-half (11 ½) to thirty-two and one-half (32 ½) feet below existing site grade. Estimated seasonal high water table levels are indicated on the soil profiles at the appropriate depths.

Confining Layers

Confining layers were not found in borings SB-01, SB-02. SB-03 and SB-06 thru SB-13 within the depths drilled. Confining layers were found in borings SB-04 and SB-05 at depths ranging from approximately nineteen (19) to twenty-eight (28) feet below existing site grade. Confining layers are indicated on the soil profiles at the appropriate depths.

Permeability

Laboratory vertical permeability tests were performed on soil samples retrieved from soil borings SB-01, SB-02, SB-06 and SB-10 performed at depths of approximately four (4) feet below existing site grade.

Resulting coefficients of vertical permeability are noted on the soil profiles presented in Appendix I and in Table 1 below.

Table 1 Permeability Testing Results

Boring No.	Depth of Test (feet)	Kv Rate (feet/day)
SB-01	4.0	32.13
SB-02	4.0	43.34
SB-06	4.0	21.72
SB-10	4.0	33.42

Measured permeability rates should not be used for design purposes without an appropriate safety factor. Actual exfiltration rates will depend on many factors such as groundwater mounding, siltation, construction technique and the amount of soil compaction.

Gradation (-200) Testing Results

Fine sand and clayey sand soils found in the soil borings performed yielded passing fines ranging from one and one-tenth (1.1) to thirty-seven (37) percent on the samples tested. We refer you to the soil profiles presented in Appendix I for the various soils found.

Preliminary Evaluations

Surficial fine sand soils found in our borings appear to be suitable material for pavement construction and conventional foundation systems.

Clayey sand soils found in our borings are typically not used as structural fill material due to the inherent moisture retention and the natural weight of the material which makes compaction requirements difficult to achieve. However, clayey soils can be utilized for non-structural grading as desired.

Closure/General Qualifications

The scope of this report is limited to this specific project. Preliminary evaluations submitted in this report are based on our findings from the soil borings, gradation testing and laboratory permeability testing performed. Soil, limestone and groundwater conditions may vary between boring locations. These variations were not taken into consideration for this report.

APPENDIX I

SOIL PROFILES

Log of Borehole: SB-01

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

GEO-TECH, INC.
ENGINEERING CONSULTANTS
1016 SE 3rd Avenue
Ocala, Florida
352.694.7711
WWW.GEOTECHFL.COM

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–14		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 2.2		1	LABORATORY VERTICAL PERMEABILITY RATE AT APPROX. 4.0 FEET = 32.13 FEET/DAY
14			14.5		ESHWTL AT APPROX. 14.5 FEET
15–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC) % PASS -200 AT APPROX. 16.0 FEET = 17		2	
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
36		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-02

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–22		**FINE SAND** BROWN FINE SAND (SP)		1	LABORATORY VERTICAL PERMEABILITY RATE AT APPROX. 4.0 FEET = 43.34 FEET/DAY
22			22.5		
23–29		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)		2	
29			29.0		ESHWTL AT APPROX. 29.0 FEET
30–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		3	
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
36		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-03

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–15		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 3.9	15.0	1	
15–17		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)	17.0	2	ESHWTL AT APPROX. 17.0 FEET
17–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	35.0	3	
35		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 3 OF 13

Log of Borehole: SB-04

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1–12		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 3.3	13.0	1	
13–18		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	19.0	2	ESHWTL AT APPROX. 13.0 FEET
19–33		**SLIGHTLY SANDY CLAY** GREY AND YELLOWISH BROWN SLIGHTLY SANDY CLAY (CH)	33.5	3	CONFINING LAYER AT APPROX. 19.0 FEET
34–35		**LIMESTONE** LIGHT BROWN LIMESTONE	35.0	4	
36–37		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-05

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–14		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 2	14.0	1	
14–28		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC) % PASS -200 AT APPROX. 20.0 FEET = 37	28.0	2	ESHWTL AT APPROX. 14.0 FEET
28–35		**SLIGHTLY SANDY CLAY** GREY AND YELLOWISH BROWN SLIGHTLY SANDY CLAY (CH)	35.0	3	CONFINING LAYER AT APPROX. 28.0 FEET
35–37		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-06

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–13		**FINE SAND** BROWN FINE SAND (SP)		1	LABORATORY VERTICAL PERMEABILITY RATE AT APPROX. 4.0 FEET = 21.72 FEET/DAY
14			14.0		
14–15		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)	15.0	2	ESHWTL AT APPROX. 15.0 FEET
15–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		3	
35			35.0		
35		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-07

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–11		**FINE SAND** BROWN FINE SAND (SP)		1	
11			11.5		ESHWTL AT APPROX. 11.5 FEET
12–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
36		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-08

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–19		**FINE SAND** BROWN FINE SAND (SP)		1	
			19.0		
19–23		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)		2	
			23.0		ESHWTL AT APPROX. 23.0 FEET
23–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		3	
			35.0		
35		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-09

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–23		**FINE SAND** BROWN FINE SAND (SP)		1	
24			24.0		ESHWTL AT APPROX. 24.0 FEET
24–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC) % PASS -200 AT APPROX. 25.0 FEET = 21		2	
35			35.0		CONFINING LAYER GREATER THAN DEPTH DRILLED
35		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-10

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–22		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 1.1	22.5	1	LABORATORY VERTICAL PERMEABILITY RATE AT APPROX. 4.0 FEET = 33.42 FEET/DAY
23–24		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)	24.5	2	ESHWTL AT APPROX. 24.5 FEET
25–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC) % PASS -200 AT APPROX. 25.0 FEET = 21	35.0	3	
35		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-11

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–19		**FINE SAND** BROWN FINE SAND (SP)	19.0	1	
19–32		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)	32.5	2	
32–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	35.0	3	ESHWTL AT APPROX. 32.5 FEET CONFINING LAYER GREATER THAN DEPTH DRILLED
35		End of Borehole			

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-12

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–12		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 1.5	13.0	1	
13–14		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)	14.0	2	ESHWTL AT APPROX. 14.0 FEET
15–34		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC) % PASS -200 AT APPROX. 15.0 FEET = 24	35.0	3	
35		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED

Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Log of Borehole: SB-13

Project: BORROW PIT, PID NO. 0322100200, NE SR 24, ARCHER, FL
Project No: 23-264.29.1
Boring Location: (SEE BORING LOCATION MAP)
Engineer: NJH/CAH
Client: ANDERSON COLUMBIA COMPANY, INC.
Enclosure: BORING MAP

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Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
0–17		**FINE SAND** BROWN FINE SAND (SP) % PASS -200 AT APPROX. 10.0 FEET = 1.1	17.5	1	
18–19		**CLAYEY SAND** YELLOWISH BROWN CLAYEY SAND (SC)	19.0	2	ESHWTL AT APPROX. 19.0 FEET
20–35		**CLAYEY SAND** YELLOWISH BROWN AND GREY CLAYEY SAND (SC) % PASS -200 AT APPROX. 20.0 FEET = 18	35.0	3	
35		End of Borehole			CONFINING LAYER GREATER THAN DEPTH DRILLED

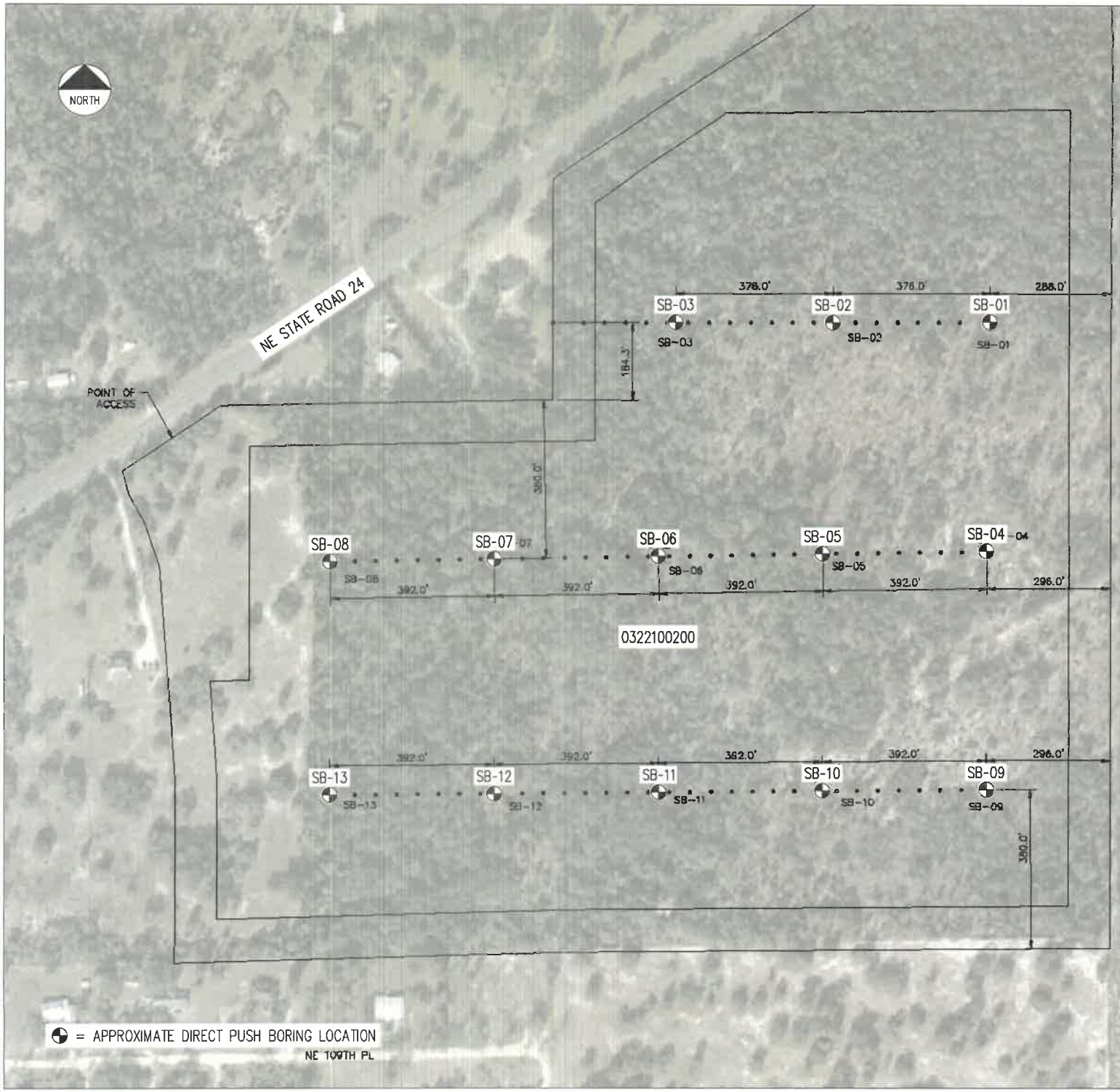
Ground Water Depth: NOT FOUND
Drill Date: APRIL 30, 2023
Drilled By: RD/MC
Drill Method: ASTM D-6282

Remarks: (SP) UNIFIED SOIL CLASSIFICATION SYMBOL AS DETERMINED BY VISUAL REVIEW

Soil Profile : 13 OF 13

APPENDIX II

BORING LOCATION MAP



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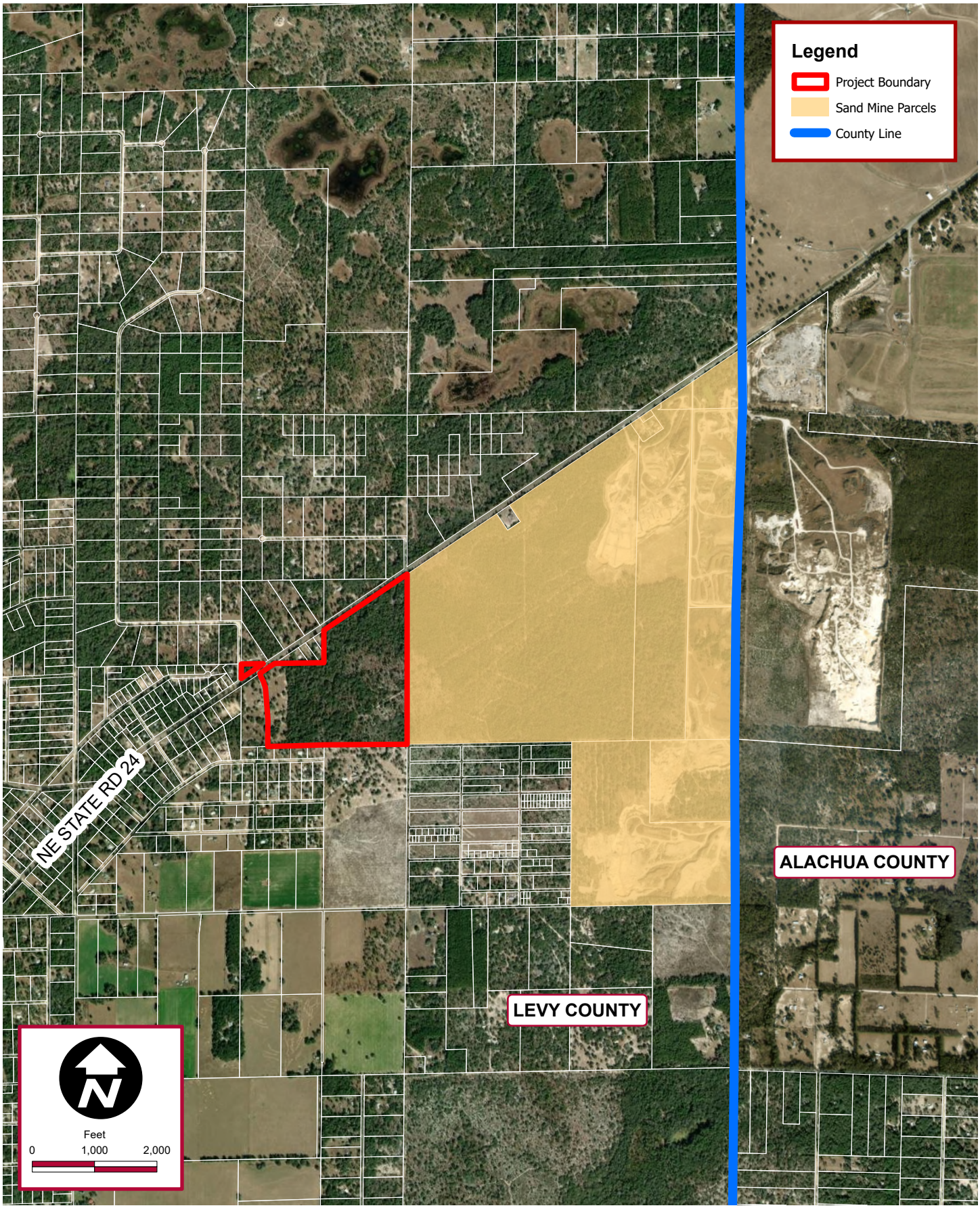
ANDERSON COLUMBIA, INC.
PROPOSED BORROW PIT
PARCEL NO. 0322100200, STATE ROAD 24
ARCHER, FLORIDA

BORING LOCATION MAP

PROJECT NO.
24-264.29.1

SCALE:	N.T.S.
DATE:	5-16-24
FIGURE:	1

SURROUNDING SAND MINE MAP



K:\OCA_Civil\242202000-Levy County Borrow Pit\GIS\GIS Exhibits.aprx - 10/9/2025 3:54 PM - Anna.Hennis

Kimley»Horn

1700 SE 17th Street, Suite 200, Ocala FL 34471
Phone: (352) 438-3000
www.kimley-horn.com Registry Number 35106

SURROUNDING SAND MINE MAP

BORROW PIT
LEVY COUNTY, FLORIDA

Scale: As Noted	Project No.: 242202000	October 2025	Figure 7