

***ENVIRONMENTAL RESOURCE  
PERMIT APPLICATION***

***FOR***

***3RT SAND MINE***

***LOCATED AT:***

***NORTHEAST 110TH AVENUE  
SECTION 35, TOWNSHIP 12 EAST, RANGE 17 SOUTH  
BRONSON, LEVY COUNTY, FLORIDA***

***Prepared for:  
Ryan B. Thomas,, Owner  
11151 Northeast 35th Street  
Bronson, Florida 32621  
(352) 258-9547  
Email: rbthomas75@gmail.com***

***Prepared by***



***P.O. Box 42  
Ocala, Florida 34478  
Office: 352-624-2068***

***September 2022***

## TABLE OF CONTENTS

<b>TABLE OF CONTENTS</b>	<b>2</b>
<b>CERTIFICATIONS</b>	<b>3</b>
<b>INTRODUCTION</b>	<b>4</b>
<b>GENERAL</b>	<b>4</b>
<b>PERMITTEE</b>	<b>4</b>
<b>FLOODPLAIN</b>	<b>5</b>
<b>WETLANDS</b>	<b>5</b>
<b>DESIGN &amp; METHODOLOGY</b>	<b>5</b>
<b>WATER TABLE INVESTIGATION</b>	<b>5</b>
<b>WATER QUALITY &amp; QUANTITY</b>	<b>5</b>
<b>EROSION CONTROL &amp; DEWATERING</b>	<b>5</b>
<b>OPERATION &amp; MAINTENANCE</b>	<b>6</b>
<b>UTILITIES</b>	<b>6</b>
<b>APPENDICIES</b>	<b>6</b>
<b>Appendix A – Location Map</b>	<b>6</b>
<b>Appendix B – USGS Quadrangle Map</b>	<b>6</b>
<b>Appendix C – Soils Map</b>	<b>6</b>
<b>Appendix D – Aerial Photograph</b>	<b>6</b>
<b>Appendix E – FEMA FIRM Map</b>	<b>6</b>
<b>Appendix F – Geotechnical Report</b>	<b>6</b>
<b>Appendix G – Property Ownership</b>	<b>6</b>

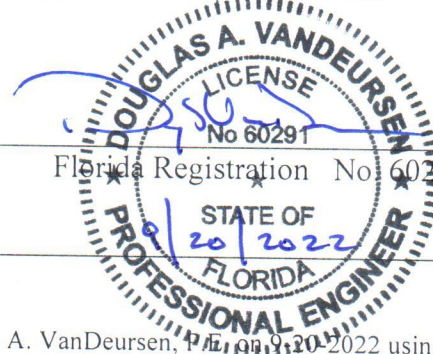
## CERTIFICATIONS

### ENGINEER:

DNM Engineering & Associates, Inc.  
Douglas A. VanDeursen, P.E.  
P.O. Box 42  
Ocala, Florida 34478  
Office: (352) 624-2068  
Fax: (352) 622-6643  
Email: dnmengineering@embarqmail.com

As the Professional Engineer responsible for preparation of this report, the undersigned certifies that the information contained in this report is true and correct to the best of his knowledge, the report was prepared in accordance with sound engineering principles and complies with Chapter 62-330, F.A.C. and the Environmental Resource Permit Applicant's Handbook Volumes I and II.

Signature of Engineer: \_\_\_\_\_



Florida Registration No. 60291

Date: \_\_\_\_\_

This item has been digitally signed and sealed by Douglas A. VanDeursen, P.E., on 09/20/2022 using a "SHA" Authentication Code.

Printed copies of this document are not considered signed and sealed and the "SHA" Authentication Code must be verified on any electronic copies.

## INTRODUCTION

### GENERAL

Ryan B. Thomas, property owner, is applying for an Environmental Resource Permit (ERP) to operate a proposed sand mine on Levy County Parcel I.D. Nos.: 0359701600, 0359700400, 0359700000, and 0359700300 located off of Northeast 110<sup>th</sup> Avenue in Bronson, Levy County, Florida. The past and current use of the subject project property is agricultural with existing infrastructure in place (limerock access road, irrigation wells, irrigation pivot, etc.) to allow for the necessary equipment for the proposed mining activities. The proposed mining project area will encompass 400+/- acres.

The proposed 3RT Sand Mine is expected to have a life span of over 50 years. Mining excavations will occur within designated mining blocks at depths ranging in three (3) to four (4) intervals with total excavations depths ranging from four (4) feet to twenty-four (24) feet as the depth of mining may vary depending upon the quality of the materials. Mined materials will be hauled off-site via 16 yard hauling trucks and hauling routes will vary depending upon the specific client. Upon completion of mining activities, the project site will be reclaimed to its original agricultural use.

Access to the proposed project area will be controlled by an existing limerock access road (Northeast 110<sup>th</sup> Avenue) located along the south property boundary and between Levy County Parcel I.D. Nos.: 0359700000 and 0359700300 and providing access to Northeast 30<sup>th</sup> Street. No other buildings or impervious surfaces are proposed to be constructed on the subject property.

### PERMITTEE

The following is the permittee information for the proposed project and the responsible authority for operation and maintenance:

Owner:	<b>Ryan B. Thomas</b>
Mailing Address:	<b>11151 Northeast 35<sup>th</sup> Street</b>
City, State, Zip:	<b>Bronson, Florida 32621</b>
Office Number:	<b>(352) 258-9547</b>
Email Address:	<b><a href="mailto:rbthomas75@gmail.com">rbthomas75@gmail.com</a></b>

## **FLOODPLAIN**

According to the FEMA Flood Insurance Rate Map (FIRM) No.: 12075CO215F, effective 11/2/2012, the proposed project area is not located within an established flood plain. Please refer to Appendix E for a copy of the FEMA FIRM Map.

## **WETLANDS**

During the proposed mining activities, no wetlands will be impacted.

## **DESIGN & METHODOLOGY**

### ***WATER TABLE INVESTIGATION***

The project site is located in Candler and Astatula Fine Sands, which are classified as well drained sandy soils, as shown on the soils map included in Appendix C. Additionally, potentiometric surface DIS data was reviewed from the Florida Geological Survey and in the 2015 contours, the potentiometric surface is indicated to be at an elevation of 50 feet along the subject property. Based upon the Geotechnical Report prepared by Geo-Tech, Inc. on July 28, 2022 and included in Appendix F, the estimated seasonal high water table was estimated to be at an elevation of 73+/- feet. The proposed plan set shows that excavation shall not occur within 3 feet of the estimated seasonal high water table (elevation of approximately 76.0+/- feet).

### ***WATER QUALITY & QUANTITY***

The pre-development surface flow pattern will be maintained during mining activities. Stormwater Best Management Practices (BMP) includes to maintain a proposed 100 feet setback/buffer from existing property boundaries to allow for any off-site drainage to continue pre-developed paths which ultimately sheet flows to Sand Pond located to the Southwest of the project area. No additional water quality measures are proposed for the proposed project area as any runoff within the proposed project area will be contained on-site during mining activities and since there are no proposed impervious areas to be constructed on-site, the stormwater runoff rate also will not increase as a result of the proposed mining activities.

### ***EROSION CONTROL & DEWATERING***

The proposed BMP includes to maintain a proposed 100 feet setback/buffer from existing property boundaries to prevent any sediment from washing off-site. No dewatering

activities are anticipated for the proposed project. Water trucks will be utilized as necessary for dust control.

### **OPERATION & MAINTENANCE**

The property owner will operate and maintain the stormwater management system as designed. The property owner will inspect the proposed setback/buffer areas once a week as necessary to assure no runoff flowing off-site. Any erosion will be restored to original design condition.

### **UTILITIES**

No water or wastewater utilities are proposed for the proposed project. Portable toilets will be provided on-site and maintained by the portable toilet company as necessary.

### **APPENDICIES**

Appendix A – Location Map

Appendix B – USGS Quadrangle Map

Appendix C – Soils Map

Appendix D – Aerial Photograph

Appendix E – FEMA FIRM Map

Appendix F – Geotechnical Report


Appendix G – Property Ownership

*APPENDIX A*

*LOCATION MAP*



SUBJECT  
PROPERTY

  
NORTH  
N.T.S.

**3RT SAND MINE**  
**S 35, TWN 12E, RGE 17S.**  
**LOCATION MAP**

**DNM ENGINEERING & ASSOCIATES, INC.**

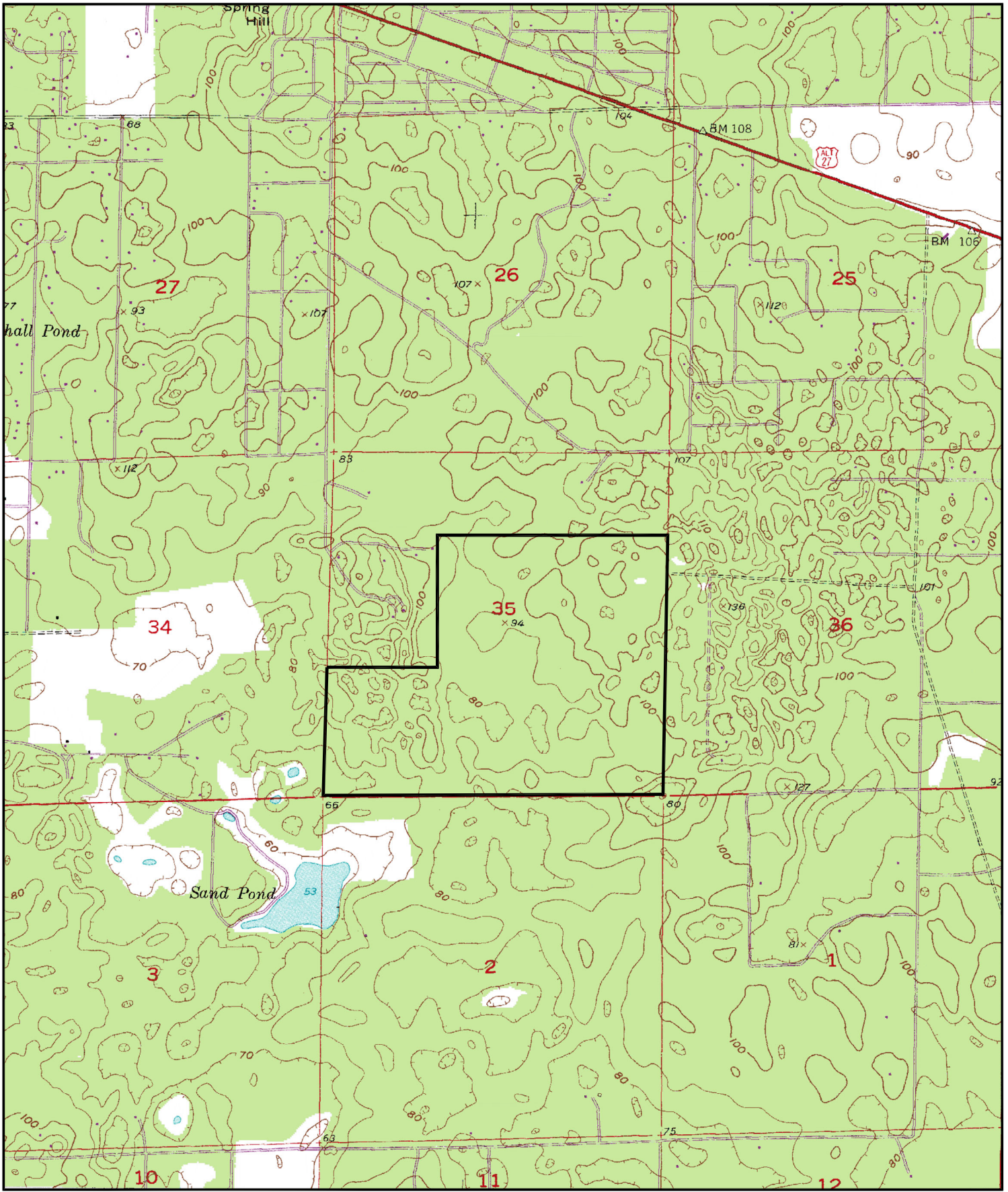
---


P.O. BOX 42                      FAX (352) 622-6643  
OCALA, FLORIDA 34478                      (352) 624-2068



*APPENDIX B*

*USGS QUADRANGLE MAP*




**3RT SAND MINE**  
**S 35, TWN 12E, RGE 17S.**  
**USGS QUAD: BRONSON NE, FL**

NORTH  
 1"=2,000'

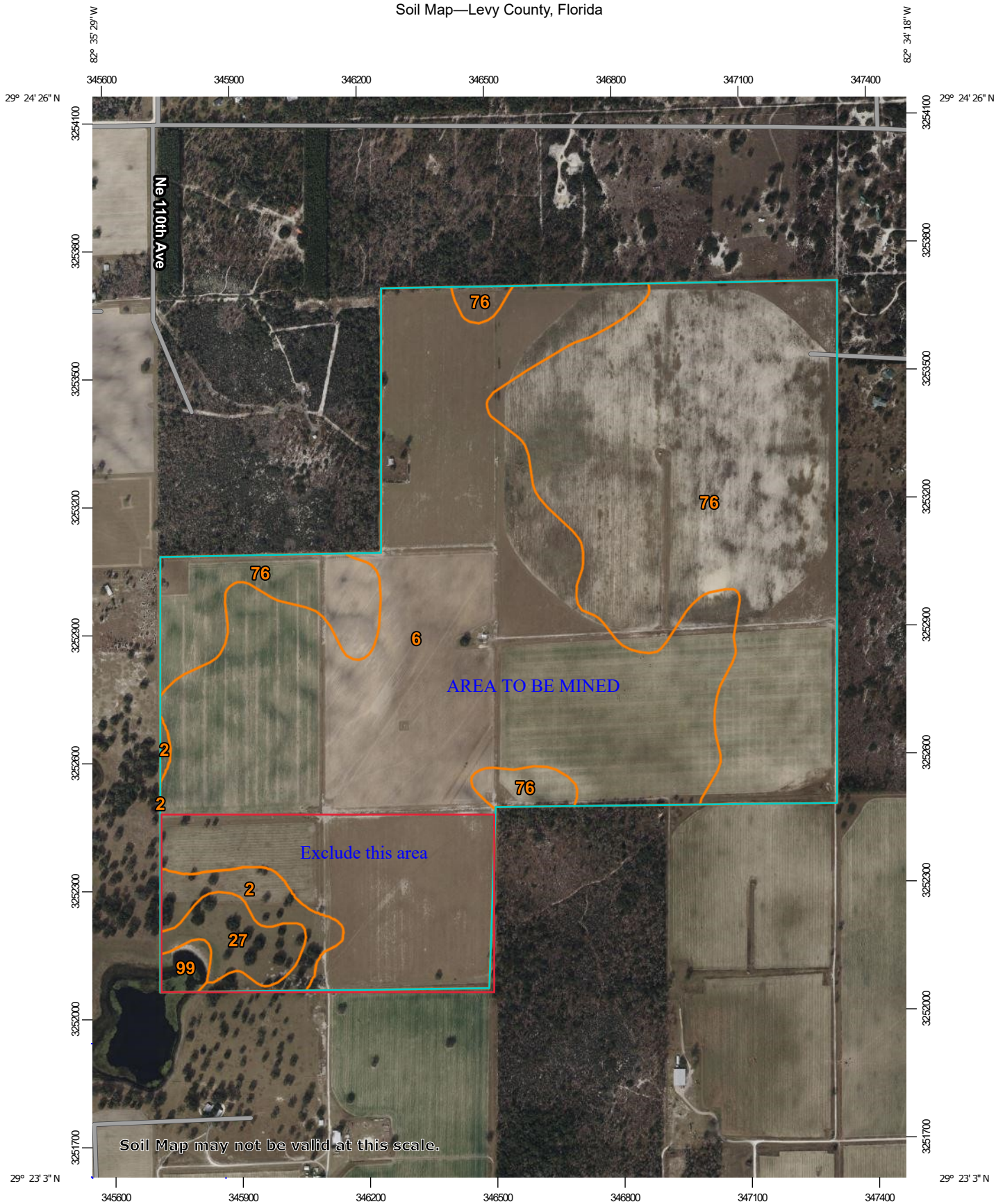
**DNM ENGINEERING & ASSOCIATES, INC.**  
 P.O. BOX 42  
 OCALA, FLORIDA 34478

FAX (352) 622-6643  
 (352) 624-2068

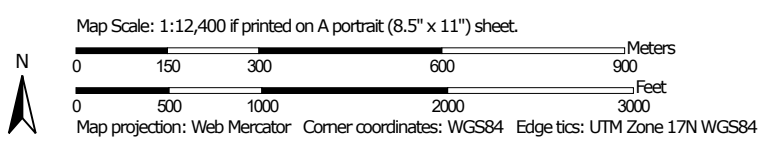
*APPENDIX C*

*SOILS MAP*

Soil Map—Levy County, Florida




Soil Map may not be valid at this scale.



## 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 17, Aug 30, 2021

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

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2	Tavares fine sand, 1 to 5 percent slopes	12.7	2.6%
6	Candler fine sand, 1 to 5 percent slopes	270.7	55.8%
27	Placid and Popash soils, depressional	10.4	2.1%
76	Astatula fine sand, 1 to 8 percent slopes	188.6	38.8%
99	Water	3.1	0.6%
<b>Totals for Area of Interest</b>		<b>485.4</b>	<b>100.0%</b>

## 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:* Ridges on marine terraces, knolls 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**

#### **Apopka**

*Percent of map unit:* 3 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*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

#### **Millhopper**

*Percent of map unit:* 3 percent

*Landform:* Flats on marine terraces, rises on marine terraces

*Landform position (three-dimensional):* Interfluvium

*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

#### **Adamsville**

*Percent of map unit:* 3 percent

*Landform:* Rises on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Interfluvium, talus

*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

#### **Sparr**

*Percent of map unit:* 2 percent

*Landform:* Rises on marine terraces, flats 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

**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

## Data Source Information

Soil Survey Area: Levy County, Florida

Survey Area Data: Version 17, Aug 30, 2021

## Levy County, Florida

### 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):* Side slope, interflue

*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

#### **Apopka**

*Percent of map unit:* 1 percent

*Landform:* Knolls on marine terraces, ridges on marine terraces

*Landform position (three-dimensional):* Side slope, interflue

*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

#### **Millhopper**

*Percent of map unit:* 1 percent

*Landform:* Flats on marine terraces, rises on marine terraces

*Landform position (three-dimensional):* Interflue

*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

## **Data Source Information**

Soil Survey Area: Levy County, Florida

Survey Area Data: Version 17, Aug 30, 2021

*APPENDIX D*

*AERIAL PHOTOGRAPH*



  
NORTH  
1"=1,000'

**3RT SAND MINE**  
**S 35, TWN 12E, RGE 17S.**  
**2021 AERIAL PHOTOGRAPH**

**DNM ENGINEERING & ASSOCIATES, INC.**

---

*P.O. BOX 42*                      *FAX (352) 622-6643*  
*OCALA, FLORIDA 34478*                      *(352) 624-2068*

*APPENDIX E*

*FEMA FLOOD MAP*

**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

**Coastal Base Flood Elevations** shown on this map apply only landward of 0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Florida State Plane HARN WEST zone. The **horizontal datum** was NAD 83. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, NNGS12  
National Geodetic Survey  
SSMC-3, #9202  
1315 East-West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

**Base map** information shown on this FIRM was derived from Florida Department of Transportation Digital Orthomagey produced at a resolution of 1 foot from photography dated March, 2006.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

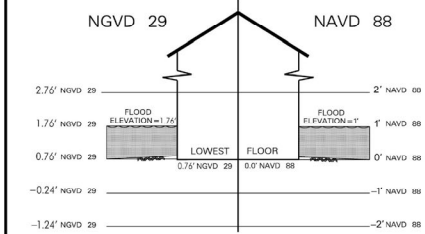
**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

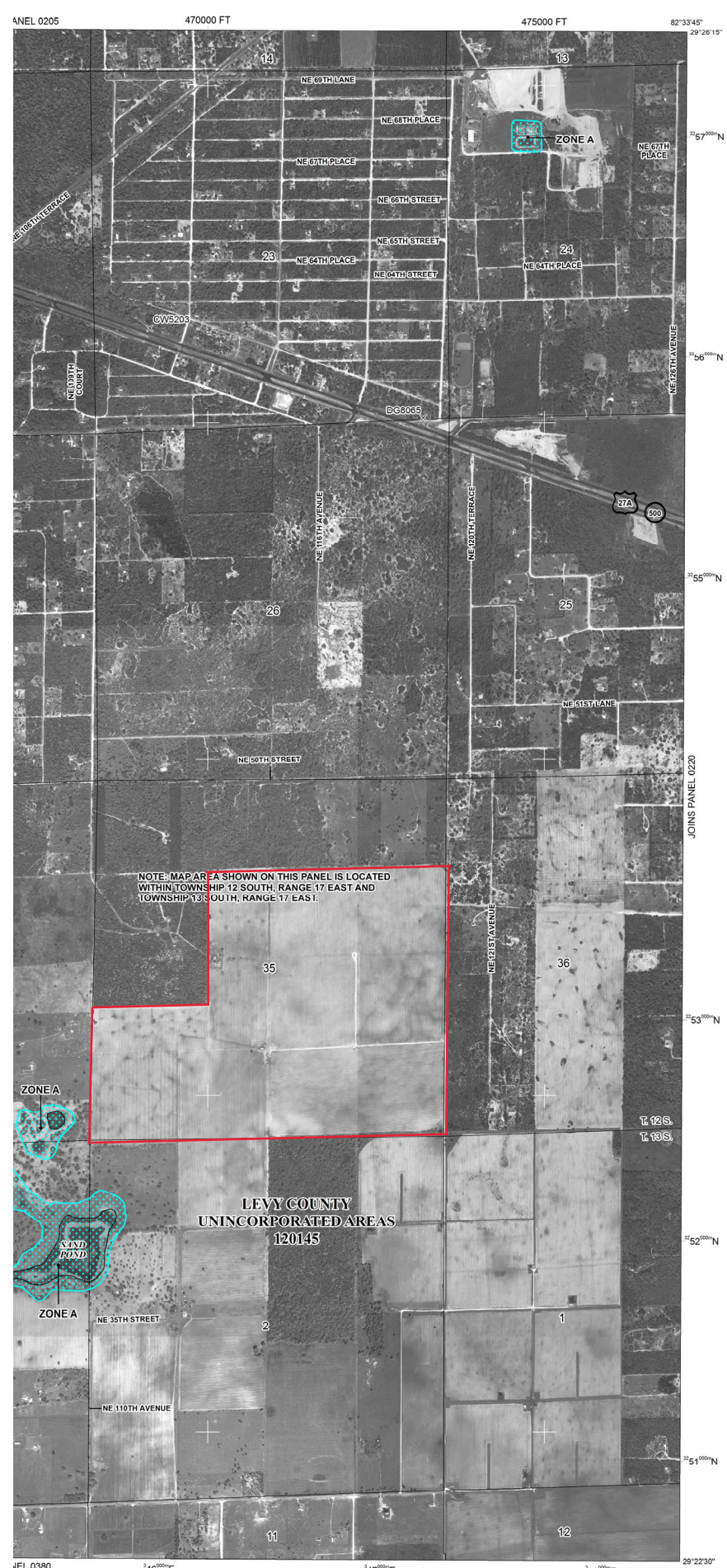
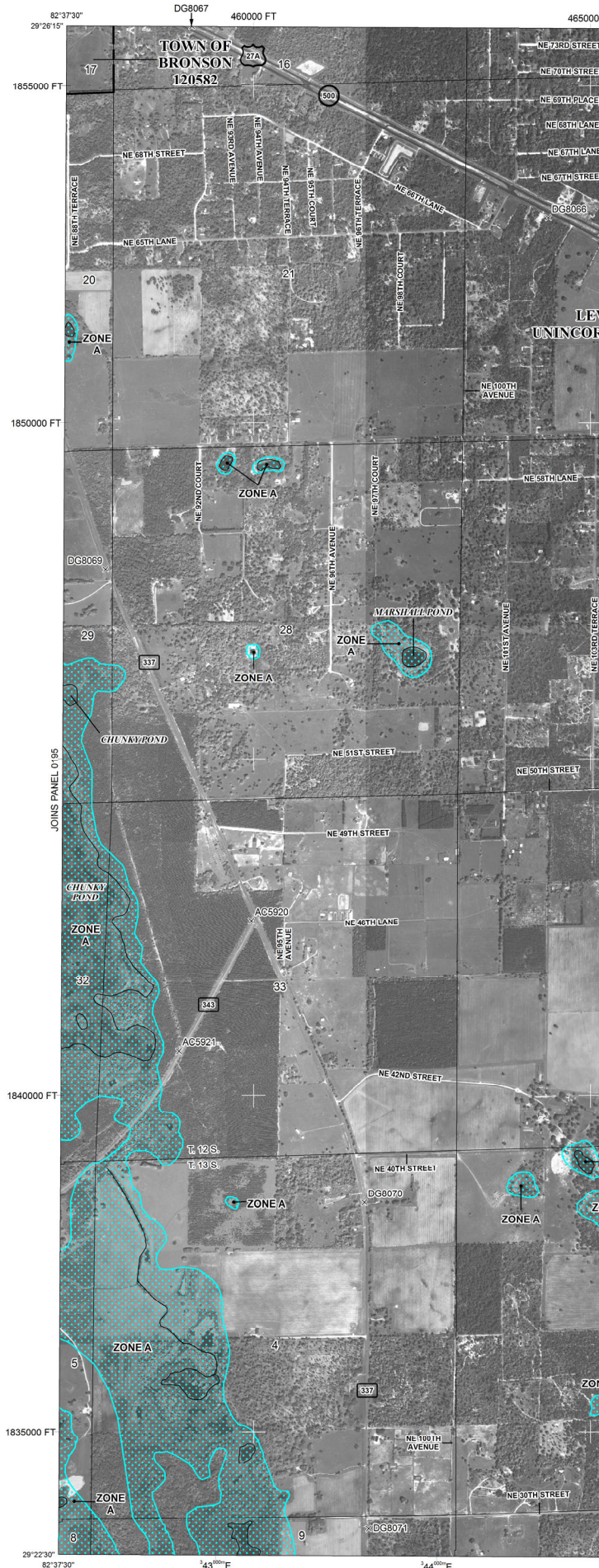
Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://msc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/info>.

**DATUM CONVERSION SCHEMATIC**

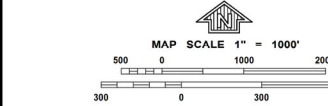


This Flood Insurance Rate Map was developed in cooperation between Federal Emergency Management Agency and Southwest Florida Water Management District and Suwannee River Water Management District.



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS SUBJECT BY THE 1% ANNUAL CHANCE FLOOD
- The 1% annual flood (100-year flood), also known as the base flood, is if chance of being equaled or exceeded in any given year. The Special Flood Area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard are designated as follows: A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation of the 1% annual chance flood.
- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of elevations determined).
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on six depths determined. For areas of alluvial fan silt determined).
- ZONE AR** Special Flood Hazard Area formerly protected from flood by a flood control system that was subsequently indicates that the former flood control system is not protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood protection system under construction; no BFE determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action elevations determined).
- ZONE VE** Coastal flood zone with velocity hazard (wave elevations determined).
- FLOODWAY AREAS IN ZONE AE
- The floodway is the channel of a stream plus any adjacent floodplain areas of encroachment so that the 1% annual chance flood can be carried within in flood heights.
- OTHER FLOOD AREAS
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with an average depth of less than 1 foot or with drain 1 square mile; and areas protected by levees from 1'.
- OTHER AREAS
- ZONE X** Areas determined to be outside the 0.2% annual chance flood.
- ZONE D** Areas in which flood hazards are undetermined, but 1'.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS)
- OTHERWISE PROTECTED AREAS (OPAs)
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas
- Boundary dividing Special Flood Hazard Areas
- Flood Elevation line and value; elevation
- Base Flood Elevation value where uniform in feet
- (EL. 987)
- \* Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transsect line
- 87°07'45", 32°22'30" Geographic coordinates referenced to the Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator 17
- 600000 FT 5000-foot grid values: Florida State Plane West zone (FIPS2000E 990), Transverse 17
- DX5510 x Bench mark (see explanation in Notes to FIRM panel)
- M1.5 River Mile
- MAP REPOSITORY Refer to listing of Map Repositories on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP November 2, 2012
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
- For community map revision history prior to countywide mapping, refer to Map History table located in the Flood Insurance Study report for this jurisdiction.
- To determine if flood insurance is available in this community, contact agent or call the National Flood Insurance Program at 1-800-638-6620.



**NFIP** PANEL 021

**FIRM**

**FLOOD INSURANCE**

**LEVY COUNTY, FLORIDA AND INCORPORATED**

**PANEL 215 OF 682**  
(SEE MAP INDEX FOR FIRM)

**CONTAINS:**

COMMUNITY	NUMBER
BRONSON, TOWN OF LEVY COUNTY	12058; 12014

Notice to User: The Map Number used when placing map orders. It shows above should be used on true subject community.

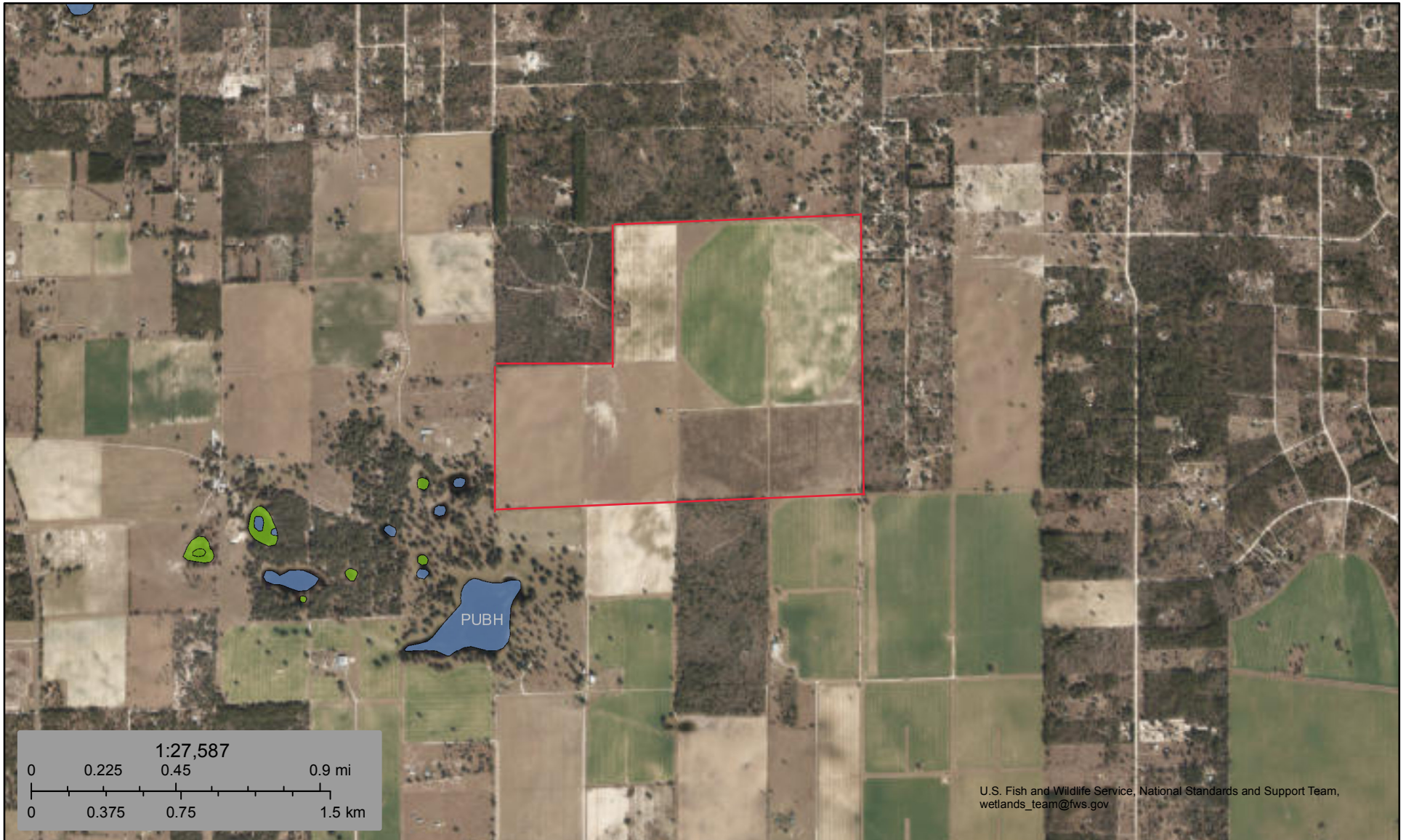
**EFF NOVE**

Federal Emergency Man

***APPENDIX F***







***WETLANDS MAP***





September 12, 2022

**Wetlands**

- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

*APPENDIX G*

*GEOTECHNICAL REPORT*

July 28, 2022  
Project No. 22-9204.01.1

Ryan Thomas  
3RT Packing and Services, LLC  
11151 NE 35<sup>th</sup> Street  
Bronson, Florida 32621

Reference: Proposed Sand Mine, NE 110<sup>th</sup> Avenue, Bronson, Florida  
**Soil Borings and Laboratory Testing**

Dear Mr. Thomas:

Geo-Technologies, Inc. (Geo-Tech) performed a site exploration at the project site per your request. Services were conducted in accordance with our Proposal No. 12557 dated June 14, 2022.

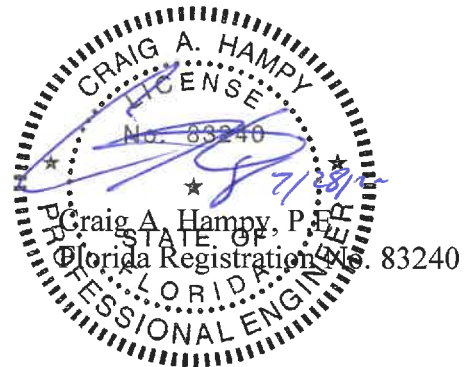
Our findings and evaluations are presented in the following report. Generally accepted soils and foundation engineering practices were employed in the preparation of this report.

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,



Gerald W. Green, Jr.  
Soil & Water Scientist  
GWG/CAH/lso



## **Purposes**

Purposes of this exploration were to characterize subsurface soils conditions at the site and to provide our findings and evaluations.

## **Site Description**

The site is located at Parcel No. 0359700000, 0359700300, 0359700400 and 0359701600 on the east side of NE 110<sup>th</sup> Avenue in Bronson, Florida. The site was covered with native trees and grasses at the time of drilling.

## **Exploration Program**

Field exploration services for the geotechnical exploration consisted of the following:

- Twenty (20) direct push borings (B-1 thru B-6, B-8 thru B-12, B-14 thru B-17 and B-19 thru B-23) to depths of approximately thirty (30) feet below existing site grade (ASTM D-6282). Direct Push borings were performed on July 8, 2022
- Three (3) Standard Penetration Test (SPT) borings (B-7, B-13 and B-18) to depths of approximately sixty (60) feet below existing site grade (ASTM D-1586). SPT borings were performed on July 25, 2022.

## **Sampling & Testing Descriptions**

### **Gradation (-200) Testing**

A specimen of soil is washed over a seventy-five (75)  $\mu\text{m}$  (No. 200) sieve. Clay and other particles that are dispersed by the wash water, as well as water-soluble materials, are removed from the soil during the test. The loss in mass resulting from the wash treatment is calculated as mass percent of the original sample and is reported as the percentage of material finer than a seventy-five (75)  $\mu\text{m}$  (No. 200) sieve by washing.

### **Direct Push Sampling**

Direct Push (DP) soil sampling method (ASTM D-6282) consists of advancing a sampling device into subsurface soils by applying static pressure, by applying impacts, or by applying vibration, or any combination thereof, to the above ground portion of the sampler extensions until sampler has been advanced to the desired sampling depth. The sampler is recovered from the borehole and the sample removed from the sampler. The sampler is cleaned and the procedure repeated for the next desired sampling interval.

Sampling can be continuous for full depth borehole logging or incremental for specific interval sampling. Samplers used can be protected type for controlled specimen gathering or unprotected for general soil specimen collection. Direct push methods of soil sampling are used for geologic investigation, soil chemical composition studies, and water quality investigations. Continuous sampling is used to provide a lithological detail of the subsurface strata and to gather samples for classification and index.

Samples recovered during performance of our direct push borings were visually classified in the field and were transported to our laboratory for further analysis.

### **Standard Penetration Testing**

A Standard Penetration Test (SPT) boring (ASTM D-1586) is defined as a standard split-barrel sampler driven into the soil by a one hundred and forty (140) pound hammer falling thirty (30) inches. The number of blows required to drive the sampler one (1) foot, after seating six (6) inches, is designated resistance, or “N”-Value is an index to soil strength and consistency.

Samples recovered during performance of our SPT borings were visually classified in the field and representative portions of the samples were placed in containers and transported to our laboratory for further analysis.

### **Findings**

General subsurface conditions found in our soil borings are graphically presented on the soil profiles in Appendix I. Horizontal lines designating the interface between differing materials found represent approximate boundaries. Transition between soil layers is typically gradual.

Soil found in our direct push borings B-1, B-2, B-3 and B-22 generally consisted of a surficial layer of fine sand to the depths drilled.

Soils found in direct push borings B-4, B-5, B-6, B-8 thru B-12, B-14, B-15, B-19, B-20 and B-21 generally consisted of a surficial layer of fine sand ranging from approximately six and one-half (6 ½) to twenty-nine (29) feet thick underlain by clayey sand to the depths drilled.

Soils found in direct push borings B-16 and B-17 generally consisted of a surficial layer of fine sand ranging from approximately fourteen and one-half (14 ½) to twenty-six (26) feet thick underlain by clayey sand and slightly sandy clay to the depths drilled.

Soils found in direct push boring B-23 generally consisted of a surficial layer of fine sand approximately twelve and one-half (12 ½) feet thick underlain by clayey sand and fine sand to the depth drilled.

Soils found in SPT boring B-7 generally consisted of a surficial layer of very loose to medium dense fine sand approximately eighteen and one-half (18 ½) feet thick underlain by medium dense to dense clayey sand to the depth drilled.

Soils found in SPT borings B-13 and B-18 generally consisted of a surficial layer of very loose to very dense fine sand ranging from approximately twenty (20) to twenty-eight and one-half (28 ½) feet thick underlain by medium dense to very dense clayey sand and very dense fine sand to the depths drilled.

Ground water table levels were not found in our borings at the time of drilling.

### **Gradation (-200) Testing Results**

Fine sand and clayey sand soils found at our boring locations yielded passing fines ranging from one (1) to thirty-six (36) percent on the samples tested. We refer the reader to the attached soil profiles for the various soils found.

### **Evaluations**

Fine sand soils found in our borings appear to be suitable to be utilized for conventional foundation systems and pavement construction based on our findings.

Clayey sand and slightly sandy clay soils found in our borings appear to be unsuitable to be utilized for conventional foundation systems and pavement construction based on our findings. However, these clayey sand soils can be utilized in other non-structural grading.

### **Closure/General Qualifications**

This report has been prepared in order to aid evaluation of the subject site. The scope is limited to the specific project and the location described herein.

Findings and evaluations submitted in this report are based upon the data obtained from the soil borings performed at the locations indicated on the Boring Location Map, and from any other information discussed in this report. This report does not reflect any variations, which may occur between these borings. In the performance of subsurface investigations, specific information is obtained at specific locations at specific times. Variations in soil and rock conditions exist on most sites between boring locations. Groundwater levels may also vary from time to time.

**APPENDIX I**  
**SOIL PROFILES**

## Log of Borehole: B-1

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1	[Symbol]	<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11			% PASS -200 AT APPROX. 10.0 FEET = 1		
12					
13					
14					
15					1
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30				30.0	
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 1 OF 23



## Log of Borehole: B-2

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30	30.0				
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 2 OF 23

## Log of Borehole: B-3

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					1
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30			30.0		
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 3 OF 23

## Log of Borehole: B-4

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30		End of Borehole			
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 4 OF 23

## Log of Borehole: B-5

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)			
2					
3					
4					
5					
6				1	
7					
8					
9					
10		% PASS -200 AT APPROX. 10.0 FEET = 1.9	10.5		
11		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
12					
13					
14					
15		% PASS -200 AT APPROX. 15.0 FEET = 24			
16					
17					
18					
19					
20				2	
21					
22					
23					
24					
25					
26					
27					
28					
29			30.0		
30		End of Borehole			
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 5 OF 23

## Log of Borehole: B-6

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10			10.5		
11		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29			30.0		
30		End of Borehole			
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 6 OF 23

## Log of Borehole: B-7

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Consistency	Depth/Elev.	Number	Type	Blows/ft	Standard Penetration Test	
								N-Values	
0		Ground Surface		0.0				▲	▲
0-18.5		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)	HAND AUGERED						
1			VERY LOOSE		1		3	▲	3
2			LOOSE		2		4	▲	4
3			LOOSE		3		6	▲	6
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14			MEDIUM DENSE		4		14	▲	14
15									
16									
17									
18				18.5					
19		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	MEDIUM DENSE		5		18	▲	18
20									
21									
22									
23									
24			MEDIUM DENSE		6		22	▲	22
25									
26									
27									
28									
29			DENSE		7		31	▲	31
30									
31									
32									

Ground Water Depth: NOT FOUND

Drill Date: JULY 25, 2022

Drilled By: WH/CC/EC

Drill Method: ASTM D-1586

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

Soil Profile : 7 OF 23

## Log of Borehole: B-7

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Consistency	Depth/Elev.	Number	Type	Blows/ft	Standard Penetration Test N-Values	
33	[Symbol: Diagonal lines in a square pattern]		MEDIUM DENSE		8		22	▲ 22	
34									
35									
36									
37									
38									
39				MEDIUM DENSE		9		24	▲ 24
40									
41									
42									
43									
44				MEDIUM DENSE		10		28	▲ 28
45									
46									
47									
48									
49			MEDIUM DENSE		11		25	▲ 25	
50									
51									
52									
53									
54			DENSE		12		30	▲ 30	
55									
56									
57									
58									
59			DENSE		13		30	▲ 30	
60				60.0					
61		End of Borehole							
62									
63									
64									

Ground Water Depth: NOT FOUND

Drill Date: JULY 25, 2022

Drilled By: WH/CC/EC

Drill Method: ASTM D-1586

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

Soil Profile : 7 OF 23

## Log of Borehole: B-8

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL



Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 8 OF 23



## Log of Borehole: B-9

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

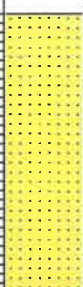

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5		% PASS -200 AT APPROX. 5.0 FEET = 4.2			
6					
7			7.5		
8		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
9					
10					
11		% PASS -200 AT APPROX. 10.0 FEET = 36			
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30		30.0			
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 9 OF 23

## Log of Borehole: B-10

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

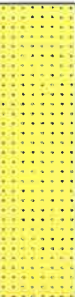

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)	8.0	1	
2					
3					
4					
5					
6					
7					
8					
9		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	30.0	2	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 10 OF 23

## Log of Borehole: B-11

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30		End of Borehole	30.0		
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 11 OF 23

## Log of Borehole: B-12

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

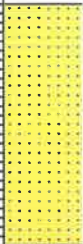

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	6.5	2	
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30		End of Borehole	30.0		
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 12 OF 23

## Log of Borehole: B-13

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Consistency	Depth/Elev.	Number	Type	Blows/ft	Standard Penetration Test	
								N-Values	
0		Ground Surface		0.0					
0 - 20		<b>FINE SAND</b> BROWN FINE SAND (SP)	HAND AUGERED						
1			VERY LOOSE		1		3	3	
2			LOOSE		2		4	4	
3			LOOSE		3		4	4	
4			MEDIUM DENSE		4		10	10	
5			MEDIUM DENSE	20.0	5		20	20	
6			MEDIUM DENSE		6		27	27	
7			VERY DENSE	28.5	7		56	56	
20 - 29		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)							
29 - 32		<b>FINE SAND</b> LIGHT GREY FINE SAND (SP)							

Ground Water Depth: NOT FOUND

Drill Date: JULY 25, 2022

Drilled By: WH/CC/EC

Drill Method: ASTM D-1586

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

Soil Profile : 13 OF 23

## Log of Borehole: B-13

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Consistency	Depth/Elev.	Number	Type	Blows/ft	Standard Penetration Test		
								N-Values		
33				33.5						
34		<b>CLAYEY SAND</b> LIGHT BROWN CLAYEY SAND (SC)	MEDIUM DENSE		8		27	▲	27	
35			MEDIUM DENSE		9		27	▲	27	
36			MEDIUM DENSE							
37			MEDIUM DENSE							
38			MEDIUM DENSE							
39			MEDIUM DENSE							
40			MEDIUM DENSE							
41			MEDIUM DENSE							
42			MEDIUM DENSE							
43			MEDIUM DENSE							
44			DENSE			10		43	▲	43
45			DENSE							
46			DENSE							
47	DENSE									
48	DENSE									
49	VERY DENSE			11		56	▲	56		
50	VERY DENSE									
51	VERY DENSE									
52	VERY DENSE									
53	VERY DENSE									
54	VERY DENSE			12		59	▲	59		
55	VERY DENSE									
56	VERY DENSE									
57	VERY DENSE									
58	VERY DENSE									
59	MEDIUM DENSE			13		28	▲	28		
60				60.0						
61		End of Borehole								
62										
63										
64										

Ground Water Depth: NOT FOUND

Drill Date: JULY 25, 2022

Drilled By: WH/CC/EC

Drill Method: ASTM D-1586

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

Soil Profile : 13 OF 23

## Log of Borehole: B-14

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

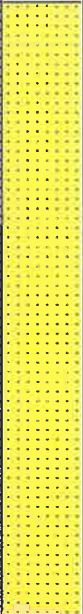

Enclosure: SITE PLAN

**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		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	16.5	2	
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32		End of Borehole	30.0		

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 14 OF 23

## Log of Borehole: B-15

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29			29.0		
30		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	30.0	2	
31					
32		End of Borehole			

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 15 OF 23



## Log of Borehole: B-16

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

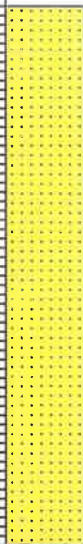


Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)			
2					
3					
4					
5					
6					
7				1	
8					
9					
10					
11					
12					
13					
14			14.5		
15		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
16					
17					
18					
19					
20					
21				2	
22					
23					
24					
25					
26					
27			27.0		
28		<b>SLIGHTLY SANDY CLAY</b> GREY AND YELLOWISH BROWN SLIGHTLY SANDY CLAY (CH)			
29				3	
30			30.0		
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 16 OF 23

## Log of Borehole: B-17

**GEO-TECH, inc.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)			
2					
3					
4					
5					
6					
7					
8					
9					
10			% PASS -200 AT APPROX. 10.0 FEET = 1		
11					
12					
13					1
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26			26.0		
27		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)	28.0	2	
28					
29		<b>SLIGHTLY SANDY CLAY</b> GREY AND YELLOWISH BROWN SLIGHTLY SANDY CLAY (CH)	30.0	3	
30					
31					
32		End of Borehole			

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 17 OF 23

## Log of Borehole: B-18

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Consistency	Depth/Elev.	Number	Type	Blows/ft	Standard Penetration Test N-Values										
								0	20	40	60	80	100					
0		Ground Surface		0.0														
0 - 28.5		<b>FINE SAND</b> BROWN FINE SAND (SP)	HAND AUGERED															
1			LOOSE		1		4										4	
2			VERY LOOSE		2		3											3
3			LOOSE		3		4											4
4			MEDIUM DENSE		4		13											13
5			DENSE		5		37											37
6			VERY DENSE		6		55											55
28.5 - 32		<b>CLAYEY SAND</b> LIGHT BROWN CLAYEY SAND (SC)	MEDIUM DENSE	28.5	7		22											22

Ground Water Depth: NOT FOUND

Drill Date: JULY 25, 2022

Drilled By: WH/CC/EC

Drill Method: ASTM D-1586

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

Soil Profile : 18 OF 23

## Log of Borehole: B-18

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Consistency	Depth/Elev.	Number	Type	Blows/ft	Standard Penetration Test	
								N-Values	
33			MEDIUM DENSE		8		27	27	▲
34									
35									
36									
37									
38	DENSE			9		46	46	▲	
39									
40									
41	FINE SAND LIGHT GREY FINE SAND (SP)		VERY DENSE	43.5	10		55	55	▲
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56	VERY DENSE			11		50	50	▲	
57									
58									
59									
60									
61	VERY DENSE			12		57	57	▲	
62									
63									
64									
60	VERY DENSE			60.0	13		76	76	▲
61									
62									
63									
64	End of Borehole								
61									
62									
63									

Ground Water Depth: NOT FOUND

Drill Date: JULY 25, 2022

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

Drilled By: WH/CC/EC

Drill Method: ASTM D-1586

Soil Profile : 18 OF 23

## Log of Borehole: B-19

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
27.5			27.5		
28		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
29					
30			30.0		
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 19 OF 23

## Log of Borehole: B-20

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

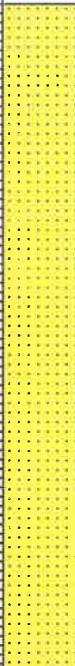

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					18.0
18		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30			30.0		
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 20 OF 23

## Log of Borehole: B-21

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

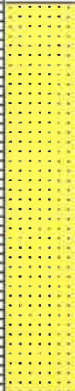

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5		% PASS -200 AT APPROX. 5.0 FEET = 1			
6					
7					
8					
9					
10					
11		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		2	
12					
13					
14		% PASS -200 AT APPROX. 12.0 FEET = 24			
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30		End of Borehole			
31					
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 21 OF 23

## Log of Borehole: B-22

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711

WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks	
0		Ground Surface	0.0			
1		<p><b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)</p>				
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						1
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30			30.0			
31		End of Borehole				
32						

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 22 OF 23



## Log of Borehole: B-23

**GEO-TECH, INC.**

ENGINEERING CONSULTANTS

1016 SE 3rd Avenue  
Ocala, Florida  
352.694.7711  
WWW.GEOTECHFL.COM

Project: PROPOSED SAND MINE, NE 110TH AVENUE, BRONSON, FL

Project No: 22-9204.01.1

Boring Location: (SEE SITE PLAN)

Engineer: NJH/CAH

Client: 3RT PACKING AND SERVICES, LLC

Enclosure: SITE PLAN

Depth (ft)	Symbol	Description	Depth/Elev.	Number	Remarks
0		Ground Surface	0.0		
1	[Symbol]	<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13	[Symbol]	<b>CLAYEY SAND</b> YELLOWISH BROWN CLAYEY SAND (SC)		2	
14					
15					
16					
17					
18					
19	[Symbol]	<b>FINE SAND</b> LIGHT GREY FINE SAND (SP)		3	
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31		End of Borehole			
32					

Ground Water Depth: NOT FOUND

Drill Date: JULY 8, 2022

Drilled By: RD/CF

Drill Method: ASTM D-6282

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

Soil Profile : 23 OF 23

**APPENDIX II**  
**BORING LOCATION MAP**



NE 110TH AVENUE

NE 110th Ave



- ⊕ = APPROXIMATE DIRECT PUSH BORING LOCATION
- ⊖ = APPROXIMATE STANDARD PENETRATION TEST (SPT) BORING LOCATION

NE 124 Ave

3RT PACKING AND SERVICES, LLC  
 PROPOSED SAND MINE  
 NE 110TH AVENUE  
 BRONSON, FLORIDA

BORING LOCATION MAP

**GEO-TECH, INC.**

■ GEOTECHNICAL ■ ENVIRONMENTAL  
 ■ CONSTRUCTION MATERIALS TESTING ■ GEOPHYSICAL EXPLORATION  
 1016 SE 3rd AVENUE, OCALA, FLORIDA 34471 ~ (352) 694-7711

PROJECT NO.	22-9204.01.1
SCALE:	N.T.S.
DATE:	7-27-22
FIGURE:	1

*APPENDIX G*

*PROPERTY OWNERSHIP*

Prepared by and return to:  
The Law Office of Douglas K. McKoy, P. A.  
302 North Main Street, Suite B, Trenton, FL 32693  
File Number: Q 21-06-02-B

pu

### Quit Claim Deed

Made this 4th June, 2021 A.D., by Lee A. Thomas, Individually and as Sole Trustee under Agreement with Lee A. Thomas, UAD 10/01/2003, and Lee A. Thomas, as Sole Successor Trustee under Agreement with Beverly J. Thomas, UAD 10/01/2003, whose post office address is 4990 NE 195<sup>th</sup> Ct, Williston FL, 32693, hereinafter called the grantor, to Ryan B. Thomas, a single man, whose post office address is: 11151 NE 35<sup>th</sup> St, Bronson, FL, 32621, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

**Witnesseth**, that the grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, does hereby remise, release, and quit claim unto the grantee forever, all the right, title, interest, claim and demand which the said grantor has in and to, all that certain land situate in Levy County, Florida, viz:

See Exhibit "A"

*Said property is not the Homestead of the Grantor(s) as defined by the laws and constitution of the State of Florida in that neither Grantor(s) nor any member of their family resides thereon.*

*Title to the land herein conveyed was neither researched, guaranteed or insured by the preparing attorney at the request of the parties to the deed.*

**Together** with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

**To Have and to Hold**, the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said grantor, either in law or equity, to the only proper use, benefit and behoof of the said grantee forever.

**In Witness Whereof**, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence

Douglas K. McKoy  
Witness Signature

Douglas K. McKoy  
Witness Printed Name

Laurie A. Terry  
Witness Signature

Laurie A. Terry  
Witness Printed Name

Lee A. Thomas  
Lee A. Thomas, as Sole Trustee under Agreement with Lee A. Thomas, UAD 10/01/2003

Lee A. Thomas  
Lee A. Thomas, As Sole Successor Trustee under Agreement with Beverly J. Thomas, UAD 10/01/2003

Lee A. Thomas  
Lee A. Thomas, Individually

STATE OF FLORIDA  
COUNTY OF Gilchrist

The foregoing instrument was acknowledged before me by means of  physical presence or ( ) online notarization this 4th day of June, 2021, by Lee A Thomas, Individually and as Sole Trustee under Agreement with Lee A. Thomas, UAD 10/01/2003 and as & Successor Trustee under Agreement with Beverly J. Thomas, UAD 10/01/2003. Personally Known:  OR Produced Identification: \_\_\_ Type of Identification produced: \_\_\_\_\_.

Notary Seal:



Douglas K. McKoy  
Signature of Notary Public

EXHIBIT "A"

The North ½ of the Northwest ¼ of Section 2, Township 13 South, Range 17 East, Levy County Florida, Parcel ID# 0360400600

AND

The Southwest ¼ of the Southwest ¼ and the North ½ of the Southwest ¼ and the South ½ of the Northwest ¼ of Section 35, Township 12 South, Range 17 East, Levy County, Florida, LESS AND EXCEPT that property described in Official Records Book 20, Page 144, public records of Levy County, Florida.  
Parcel ID# 0359700000

And

The Southeast ¼ of the Southwest ¼ of Section 35, Township 12 South, Range 17 East, Levy County, Florida.  
Parcel ID# 0359700300

AND

The Southeast ¼ of Section 35, Township 12 South, Range 17 East, Levy County, Florida.  
Parcel ID# 0359700400

AND

The South ½ of the Northeast ¼ of Section 35, Township 12 South, Range 17 East, Levy County, Florida. TOGETHER WITH a non-exclusive easement for ingress and egress over and across the East 30 feet of the Northeast ¼ of the Northeast ¼ of said Section 35, and over the East 30 feet of that portion of Section 26, Township 12 South, Range 17 East, lying South of Highway 27-A, as more fully set forth in that certain easement agreement dated October 13, 1966 and recorded in Deed Book 101, Page 79, Public Records of Levy County, Florida.  
Parcel ID# 0359701600

AND

The Southeast ¼ of the Northwest ¼, all in Section 2, Township 13 South, Range 17 East, Levy County, Florida.  
Parcel ID# 036040000

AND

The Northeast ¼ of the Southwest ¼ all in Section 2, Township 13 South, Range 17 East, Levy County, Florida.  
Parcel ID# 0360400400

AND

## Exhibit "A" continued

Part of Section 23, Township 12 South, Range 18 East, inside the Arredondo Grant, Levy County, Florida, more particularly described as follows; commence at the Northeast corner of said Section 23, thence S 00°12'57" East, along the East line of said Section 23, a distance of 1370.00 feet to the Point of Beginning (POB); thence continue S. 00°12'57" East, along the East line, 3148.20 feet to the Southeast Corner of said Section 23 as marked by a concrete monument I.D. #2548; thence S 89°38'54" West, along the South line of said Section 23, a distance of 2715.00 feet; thence N 00°12'57" West, a distance of 1365.15 feet; thence S 89°59'38" East, a distance of 330.00 feet; thence N 00°12'57" West, a distance of 1800.00 feet; thence S 89°59'38" East, a distance of 330.00 feet; thence N 00°12'57" West, a distance of 1320.00 feet to the South right-of-way (R/W) line of County Road 335; thence S 89°59'38" East, along the said R/W line, 490.00 feet ; thence S 00°12'57" East, a distance of 400.00 feet; thence S 89°59'38" East, a distance of 245.00 feet; thence S 00°12'57" East, a distance of 920.00 feet; thence S 89°59'38" East, a distance of 1320.00 feet to the POB.

TOGETHER WITH: an easement for ingress and egress over the East 30.00 feet of the South 1337 feet of the North 1370 feet of said Section 23.

Subject to any restrictions, easements, and/or adverses that pertain to this property.  
Parcel ID# 0412300200

AND

A parcel of land lying in Section 23, inside the Arredondo Grant, Township 12 South, Range 18 East, Levy County, Florida, being more particularly described as follows: Commence at a railroad spike at the Northeast corner of said Section 23, Inside the Arredondo Grant, and run N 89°59'38" West, along the North line of said Section 2055.00 feet; thence S 00°12'57" East, 50.00 feet to the South right-of-way line of N.E. 75<sup>th</sup> Street (aka County Road No. 355) and the Point of Beginning of the herein described parcel; thence North 89°59'38" West, along said South right-of-way line, 1320.00 feet; thence South 00°12'57" East, 4489.27 feet to the South line of said Section 23; thence North 89°38'54" East, along said South line, 660.00 feet; thence North 00°12'57" West, 1365.15 feet; thence South 89°59'38" East, 330.00 feet; thence North 00°12'57" West, 1800.00 feet; thence South 89°59'38" East, 330.00 feet; thence North 00°12'57" West, 1320.00 feet to the said Point of Beginning.  
Parcel ID# 0412300300