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November 20, 2023

Levy County Board of County Commissioners  
320 Mongo Street  
Bronson, Florida 32621

**Re: 3RT Sand Mine  
Special Exception Application  
Levy County Parcel I.D. Nos.: 0359701600, 0359700400, 0359700000, & 0359700300  
Section 35, Township 12 South, Range 17 East  
11151 Northeast 35<sup>th</sup> Street  
Bronson, Levy County, Florida**

Dear Board of County Commissioners,

Please find enclosed for review the Special Exception and Excavation & Fill Permit Applications for the above described properties located in Bronson, Levy County, Florida to be utilized for major mining, excavation and fill activity or operations where more than 10,000 cubic yards of earth (sand & clayey sands) will be excavated or removed from or deposited on a tract or parcel greater than 20 acres. Major Mining, Excavation and Fill Activity Operations is currently listed as a Special Exception Use within Land Use/Zoning District A/RR.

The current Land Use and Zoning of the subject properties are A/RR (Agriculture/Rural Residential) and have historically been utilized for farming and crops. Ryan B. Thomas, property owner, is proposing to permit the subject property as the 3RT Sand Mine to be able to excavate the sand from the subject property to be sold to independent contractors to be utilized for fill material for construction of new road/highway construction, road/highway improvements, single family residences, residential developments, commercial developments, industrial developments, concrete foundation, concrete production, horse track developments, equestrian facilities, etc. throughout Levy and other neighboring counties. The proposed number of daily one way trips from the subject properties is 75+/- with approximately 1,400+/- cubic yards of sand material to be excavated per day.

The subject properties are currently surrounded by an Agricultural Experiment Station (Rosemary Hill Observatory) on 78.81 +/- acres of land to the North/West of the subject properties and Zoned A/RR; a 50.0+/- acre parcel of land with a single family residence located to the Northwest of the subject properties and Zoned A/RR; eleven (11) 10+/- acre parcels of primarily vacant parcels land currently

Zoned RR with two of the parcels occupied by a single family mobile home residence to the North of the subject properties; ten (10) 5.0+/- or 10.0+/- acre of primarily vacant parcels of land currently zoned RR with on three of the parcels occupied by single family mobile home residences and one parcel occupied by a single family residence to the Northeast/East of the subject property; five (5) large tract parcels of land currently Zoned A/RR and utilized for Agriculture Farming/Crop land to the Southeast/South/Southwest of the subject properties; and four (4) 20.0+/- acre parcels of primarily vacant parcels of land currently Zoned RR with one parcel occupied by a single family mobile home residence to the West/Northwest of the subject properties.

The main Ingress/Egress to the subject properties will be provided by an improved driveway connection located at the intersection of County Road 337 and N.E. 42<sup>nd</sup> Street with the travel route traversing along existing dirt roads through properties currently owned by either Lee A. Thomas and Ryan Thomas. County Road 337 currently has the capacity and is structurally stable to handle the increased traffic from the proposed project. However, an alternate route may be utilized if determined feasible by the Board of County Commissioners with the route utilizing an existing improved private road owned by Ryan B. Thomas and accessing Northeast 30<sup>th</sup> Street (public road) located to the South of the subject properties. The proposed hours of operation of the sand mine will be between the hours of 7:00 am to 6:00 pm Monday thru Saturday. All excavation on the subject property will be removed mechanically with no blasting proposed.

The major mining, excavation and fill activity or operations proposed for the subject property will be compatible with the adjoining properties by complying with all requirements and standards for approval set forth in Chapter 50, Article XIII, Division 5, and Subdivision I and Subdivision II, Levy County Code and the location, proposed ingress/egress, and design of the proposed 3RT Sand Mine will meet the following minimum and specific criteria, standards, conditions, and requirements for special exceptions for major mining operations as listed in Section 50-719, Subdivision II (c) & (d):

**(c) Minimum Criteria, Standards, and Conditions:**

- 1) The proposed mining operation does comply with all required regulations and standards of this chapter, as applicable, including provisions of Division 5, Article XIII and this section specifically, and all other regulations;
- 2) The proposed mining operation will be serviced by County Road (CR) 337 which has been determined by a traffic study and traffic impact analysis to have adequate capacity to accommodate the increased traffic volume and load impacts and will not adversely impact any surrounding uses;

- 3) The proposed mining operation will incorporate a 100 feet setback along the entire perimeter of the subject properties where 50 feet of the 100 feet setback will be improved with a vegetative buffer and an 8 feet high earthen berm as shown in the attached detail to provide the required screening and buffering from uses and structures of adjacent and nearby properties;
- 4) The proposed mining operation is consistent with the Comprehensive Plan as this type of operation is currently listed as a special exception use within the Land Use/Zoning District "A/RR;"
- 5) The proposed mining operation will not adversely impact springs, rivers, tributaries, or water quality as the proposed mining operation is located more than 5.3+/- miles from Blue Grotto Springs, 6+/- miles from Devils Den Prehistoric Springs, 7.5+/- miles from Blue Springs State Park, 25+/- miles from Fanning Springs, 23+/- miles from Manatee Springs, and 20+/- miles from the Suwannee River. In addition, the proposed mining operation is located more than 100 feet from any private water wells and more than 1000 feet from any public supply wells;
- 6) The proposed mining operation will not result in such noise, odor, dust, vibration,, off-site glare, substantial traffic or degradation of road infrastructure that will adversely impact surrounding development or cause hazardous traffic conditions due to the proposed screening/buffering to be provided around the entire perimeter of the mining operation to protect rural residential lots located to the North/Northeast/East/West of the subject properties, the existing agricultural lands/operations to the Southeast/South of the subject properties, and the Rosemary Hill Observatory to the North/West of the subject properties;
- 7) The proposed mining operation will not adversely impact recreational enjoyment of State, Federal, of County Parks by the public as the subject property is not located near any State and Federal Lands accessible to the Public and more than 4+/- miles from County Parks accessible by the public;
- 8) The proposed mining operation will not cause an adverse environmental impact to any dumpsites, landfills, effluent ponds, or public supply wellheads as there are currently no dumpsites, landfills, effluent ponds, or public supply wellheads located within 1000 feet radius of the subject property;
- 9) The proposed mining operation is not located in a prohibited areas and meets all requirements regarding buffering, access, application, impact assessment, documentation, setback slope, reclamation requirements, and any other requirements, all as contained in the section;

- 10) The proposed mining operation has obtained an Environmental Resource Permit from the Southwest Florida Water Management District (SWFWMD) (ERP Permit No.: 43046299.000 issued 12/22/2022) and the required “Notice of Intent to Mine or Mining Other Resources” from the Florida Department of Environmental Protection (FDEP) on 7/27/2023;
- 11) The proposed mining operation will not be detrimental to the area residents or businesses, or public health, safety, welfare of the community as a whole due to the subject property’s location, proposed screening/buffering being provided from neighboring properties, and traffic impact and load impact being similar in nature to the subject property’s existing agricultural operations;

**(d) Specific Criteria, Standards, Conditions and Requirements for Special Exceptions for Major Mining Operations:**

**1) Prohibited Areas For Major Mining Operations**

- a) The proposed mining operation is located more than 500 feet from any abandoned dumpsites, landfills, or effluent ponds as identified by the FDEP. The proposed mining operation will not be performing any blasting as part of the operation;
- b) The proposed mining operation is located more than 1000 feet from any public water wellheads of 100,000 GPD or greater (5+/- miles from the Town of Bronson Water Treatment Facility);
- c) The proposed mining operation is located more than 1 mile from any public water supply wellhead of 100,000 GPD or greater, however, no blasting is proposed to be performed as part of the mining operation;
- d) The proposed mining operation is located 23+/- miles from Manatee Springs and 24+/- miles from the Fanning Springs State Park Boundaries;
- e) The proposed mining operation is located 20+/- miles of known streams, conduits, lineaments, fractures, or matrix flow paths with the potential to impact Manatee Springs or Fanning Springs, more than 100 feet from any private supply wells, and more than 1000 feet from any public supply wells which may directly or indirectly result in the occurrence of one or more of the following:
  - i) The deterioration of water quality of adjacent private or public supply wells, or reduction of their water level.

- ii) The deterioration of water quality of flow of Manatee Springs or Fanning Springs.
- f) The proposed mining operation is located more than one-quarter mile (1,320+/- feet) from any schools, hospitals, county, state, or federal parks;
- g) The proposed mining operation is located more than one-quarter mile (1,320+/- feet) from a platted and recorded subdivision with lot sizes of five acres or less that include constructed streets and developed parcels. The subject property is located approximately 2,640+/- feet from the Black Jack Ridge Estates Subdivision to the Northwest of the subject property and approximately 1,338+/- feet to the Sunny Highlands Subdivision located to the North/Northwest of the subject property. The distance can be reduced to 660 feet to the platted subdivisions since buffering is provided and if approved by the Levy County BOCC;

2) Buffering Standards:

- a) Length: The proposed mining operation will incorporate a buffer along the entire perimeter of the subject property (18,500+/- linear feet) as to shield mining activity from incompatible land uses.
- b) Depth: The proposed mining operation will provide a minimum of 100 feet depth buffer setback measured perpendicularly from the subject property's property boundary;
- c) Opacity: The proposed mining operation will provide a vegetative buffer consisting of three (3) rows of native sand pine trees spaced six (6) feet apart and staggered rows spaced eight (8) feet apart. In addition, it is proposed to utilize overburden material and excavated sand to create an 8+/- feet high earthen berm with 1:1 side slopes to provide the required 80% opacity standard (See attached detail);
- d) Makeup: The proposed buffer will consist of a vegetated screen augmented by a berm to obtain opacity.
  - i) with the proposed earthen berm, the outer 50 feet of the buffer will consist of a vegetated buffer.

- ii) Existing trees, which is minimal, located within the vegetative screen will remain in place.
- iii) Since sufficient vegetation does not exist, the proposed vegetative screen will be planted with sand pine trees native to the area and compatible with the area soils.

e) Berms:

- i) The proposed earthen berm will run parallel to, and no closer than 50 feet from the property line.
- ii) The proposed earthen berm will be constructed to a height of 8 feet above natural surface of the ground to shield mining activity from the property lines so that it cannot be viewed through the buffer from adjoining properties when viewed from the property line. The proposed earthen berm will undulate along the perimeter of the subject property while still providing the shielding from view of the adjoining properties from the property line.
- iii) The proposed earthen berm will be stabilized with the planting of a vegetation cover and slopes will not exceed 1:1 vertical to horizontal.

3) Access Requirements:

- a) & b) The proposed mining operation is located within an area that has direct ingress/egress access to a major collector road (CR 337) to the west of the subject properties. However, an alternate route accessing N.E. 30<sup>th</sup> Street to the South could be utilized as ingress/egress routes if approved by the Levy County BOCC.
- c) The proposed access and truck routes to and from the site do not traverse through platted recorded and unrecorded residential subdivisions.
- d) Hauling Requirements: The traffic study prepared by Kittelson & Associates and Pavement Analysis prepared by Geo-Tech, Inc. supports that the proposed mining operation will not damage public nor private property due to the hauling of material and that hazardous traffic conditions will not be created since the special exception use is similar in nature to the existing agricultural operation. Hauling trucks utilizing public roads will be covered in a manner to prevent spillage and

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;

4) Setback Requirements:

- a) The proposed mining operation is located more than 100 feet from any road right-of-way boundary;
- b) The proposed mining operation excavation activities will occur at least 100 feet from any adjoining undeveloped lot or parcel and from any residentially developed lot or parcel boundary.

5) Slope Requirements:

The proposed mining operation of dormant sand and clay will provide a side slope not steeper than one foot rise for each three feet horizontal measurement (3:1 slopes).

6) Reclamation Plan:

The owner of the proposed mining operation has received the required "Notice of Intent to Mine or Mining Other Resources" from FDEP on 7/27/2023 and submitted the Excavation and Fill Permit Application to the Levy County Development Department on May 16, 2023.

7) Mining Impact Assessment Report:

- a) Compatibility: The proposed mining operation will not perform any blasting to remove sand/clay materials.

b) Transportation System:

The traffic study prepared by Kittelson & Associates and Pavement Analysis prepared by Geo-Tech, Inc. supports that the proposed mining operation will not damage public nor private property due to the hauling of material and that hazardous traffic conditions will not be created since the special exception use is similar in nature to the existing agricultural operation. Hauling trucks utilizing public roads will be covered in a manner to prevent spillage and 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;

c) Water Pumping Activities:

The proposed mining operation will utilize water pumping facilities and water trucks to provide dust control activities within the mining areas and access roads.

d) Fill Activities:

The proposed mining operation will only utilize clean fill material to reclaim the subject properties back to the original agricultural use and existing grade.

If you have any questions or require any additional information, please feel free to contact our office.

Sincerely,

*Douglas VanDeursen*

Douglas A. VanDeursen, P.E.  
President



**SPECIAL EXCEPTION APPLICATION  
LEVY COUNTY, FLORIDA**

**Filing Date** \_\_\_\_\_

**Petition No. SE** \_\_\_\_\_

**Fee:** \$3,600 (see fee schedule)

**Validation No.** \_\_\_\_\_

**TO THE LEVY COUNTY PLANNING COMMISSION:**

Special exceptions are intended to provide for land uses and activities not permitted by right in the applicable zoning district where they are located. Because a special exception use is not normally a permitted use in a particular district, the burden is placed upon the applicant to document that the granting of a special exception is suitable in the area and will not create a hardship upon adjoining properties as they are currently being used or as they may be used in the future.

This application is hereby made to the Board of County Commissioners (BOCC) of Levy County, Florida, pursuant to the provisions of Chapter 163, Florida Statutes, the adopted Levy County Comprehensive Plan and Chapter 50 of the Levy County Code (Land Development Code), petitioning for a Special Exception on the following described property:

**Section I. APPLICANT INFORMATION:**

Please print unless otherwise specified.

Applicant's Name <u>Ryan Thomas</u>	Owner's Name <u>Lee A. Thomas</u>
Address <u>11151 N.E. 35th Street, Bronson, FL</u>	Address <u>4990 N.E. 195th Street, Williston, FL</u>
Zip Code <u>32621</u> Phone No. ( <u>352</u> ) <u>258-9547</u>	Zip Code <u>32696</u> Phone No. ( <u>352</u> ) <u>258-9547</u>
email <u>rbthomas75@gmail.com</u>	email <u>rbthomas75@gmail.com</u>

**Section II. PARCEL INFORMATION:**

Parcel Number (s)	Section/Township/Range	Acreage
1. <u>0359701600</u>	<u>35/12S/17E</u>	<u>80+/-</u>
2. <u>0359700400</u>	<u>35/12S/17E</u>	<u>160+/-</u>
3. <u>0359700000</u>	<u>35/12S/17E</u>	<u>120+/-</u>
4. <u>0359700300</u>	<u>35/12S/17E</u>	<u>40+/-</u>
SEE ATTACHMENT "A" FOR INGRESS/EGRESS PROPERTIES	Total Acreage:	<u>400+/-</u>

Subdivision Name (if applicable): \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_

Current Land Use: A/RR Current Zoning: A/RR

Current Use (Actual) and Improvements on the Property: (i.e. Single-family, well & septic, pole barn, ect.  
Farm/Crop Land improved with (2) Pole Barns, (2) 10" Wells and (2) 4" wells

Proposed Use:  
Major Mining, Excavation, and Fill (Sand Mine)

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Directions to the Property: (Please start directions from a State or County Road):

From Bronson, FL head South on N.E. CR 337 approximately 3.82+/- miles to N.E. 42th St. (Main Ingress/Egress Driveway Connection);

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**Section III. TO BE SUPPLIED AT THE TIME OF SUBMISSION;** Attach the items in the order listed below. The application will not be processed without these items. Any information changes must be submitted, in writing, to the Planning and Zoning Department and received within 10 working days prior to the Planning Commission Public Hearing.

\*\*\* Upon completion of the above application, **please submit the original and four (4) copies** to the Levy County Planning and Zoning Department, 320 Mingo Street, Bronson, Florida, for staff review and comment. After the application has been found complete, an additional twenty (12) copies will need to be submitted for distribution to the Planning Commission, Board of County Commission and office staff.

**Surrounding Land Owners & Mapping**

X A list of names and addresses of property owners within 300 feet of the subject property (excluding rights-of-way) with corresponding address labels. This information shall be based on the latest available property records of the Levy County Property Appraiser. The applicant shall also provide a map clearly showing the subject property and all of the other properties within 300 feet. As per our conversation with Debbie Benton with Levy County, the requirements of this item will be handled internally upon submittal of the application.

**Property Description**

X **Property Deed.** The most recent deed pertaining to the proposed special exception property. This may be obtained from the Clerk of the Circuit Court's Office.

X **Certified property boundary survey.** Provide a certified legal boundary survey of the proposed special exception site. If the proposed special exception is to be on only part of the parcel, indicate that area. The legal description of the parcel or portion of the parcel must be described and signed and stamped by a certified Registered Land Surveyor (RLS), Professional Land Surveyor (PLS), Professional Mapper and Surveyor ( PMS), or a professional engineer (PE).

X **Detailed Site Plan.** See Section IV of this application for required information to be shown on the site plan.

X **Photographs.** Provide at least four (4) photographs showing site views from the site looking north, south, east and west. Identify the photo viewpoint and provide a brief description beneath each view (North, South, East, West). Additional photos showing relevant information may also be included.

**Maps** All required maps and information can be obtained from the Levy County Property Appraiser.

X **Property Appraiser's Parcel Map.**

1. Identify the proposed site clearly using a color or pattern.
2. Identify on the map the existing uses within 300 (three hundred) feet of the subject property's boundary using the following descriptive types: Residential, Commercial, Industrial, Recreation, Crops/Farming, Silviculture and Undeveloped. Please indicate all uses on the adjacent property. For example, residence and crops/farm, or Commercial/restaurant and recreational/golf course.
3. Identify the FLUM designation and zoning classifications for those properties identified by question #2.

X **Property Appraiser's Aerial Photograph with Parcel Overlay.** Identify the proposed site clearly using a bright color or pattern taking care to obscure as little information as possible.

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**Documentation**

X     **Existing Conditions and Compatibility on Property adjacent to the proposed special exception site.**  
Provide a cover letter for this application which documents in writing how you believe the proposed special exception will be compatible with the adjoining development and the proposed zoning district where it is to be located.

X     A narrative description of the total project in sufficient detail to provide an understanding of the nature of the development proposal and a statement describing how the special exception meets all requirements, criteria, and standards for approval set forth in Chapter 50, Article XIII, Division 5, and Subdivision I and Subdivision II, Levy County Code.

**Note: The Planning and Zoning Department, Planning Commission, the BOCC, or other provisions of the Levy County Code, may require additional information to be included in any site plan submitted with this application.**

**Section IV. Detailed Site Plan:** The applicant shall submit a site plan of his proposed special exception to be reviewed by the Planning Commission and the Board of County Commissioners. The site plan should be detailed at a scale of 1" = 20' or larger (subject to the Zoning Official's approval), showing the relationship of existing and proposed structures and uses on the parcel. Where site plan approval is required, and the development is not being submitted as a PUD as provided in Section 50-901 ff., Levy County Code, the following shall be required:

- 1) Project identification.**
  - a. Title of project or development.
  - b. Name of engineer, architect and developer (if different than applicant).
  - c. North point, scale, date and legal description of the entire property encompassing the special exception.
  
- 2) Existing conditions.**
  - a. Boundaries of the property involved, all existing easements, existing buildings, section lines, property lines, existing street paving and rights-of-way, topography, existing surface water areas, existing water mains, sanitary and storm sewers, culverts and other underground structures in and adjacent to the property.
  - b. A one inch equals 200 feet (1" = 200') aerial photograph of sufficient quality to delineate existing vegetation, or a tree survey prepared by a licensed surveyor or engineer.
  
- 3) Proposed development plans.**
  - a. Proposed placement of structures on the property, provisions for ingress and egress, off-street parking and off-street loading areas, refuse and service areas and required yards and other spaces.
  - b. Plan showing proposed locations for utility hookups.
  - c. Plan for screening and buffers, with reference to type, dimensions and character.
  - d. Proposed landscaping.
  - e. Proposed signs and lighting, including type, dimensions and character.
  - f. Size of proposed lot (s) or parcel (s).

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**4) Tabulation of proposed development plans.**

- a. Tabulations of total number of gross acres in the site and the acreages and percentages thereof proposed to be devoted to the uses including: uses (residential, commercial, industrial or other nonresidential), streets, parking and open and enclosed storage areas.
- b. Tabulations of total number of dwelling units by dwelling type within the project.
- c. Proposed development schedule and phasing.
- d. Square footage of floor area by type of structure.

**Section V. Additional written and mapping documentation required for the specific proposed special exceptions listed in Schedule I of Section 50-676, Levy County Code, in applicable zoning districts.** These uses include, but are not limited to, mining, excavation and quarries, development in the Airport Overlay Zone, and concentrated commercial farming operations. Confirm with the Planning and Zoning Department whether the proposed use requested has additional requirements.

**Section VI. In order for a special exception to be approved, the applicant must show that it meets the following criteria, at a minimum, and any other applicable requirements, criteria or standards as set forth in the Land Development Code. \*Please make all narrative responses to numbers 1 – 8 on the following provided page. While all documents, maps, etc., that support a response should be included in the application, narrative responses cannot be simply referred to another document, map, etc. in your application; doing so will result in an incomplete application.**

- 1) **That** the use is a special exception use as set forth in Schedule 1. Use Regulations, of section 50-676, Levy County Code, or as set forth in the Levy County Comprehensive Plan.
- 2) **That** the use is so designated, located and proposed to be operated that the public health, safety, welfare and convenience will be protected.
- 3) **That** the use will not cause substantial injury to the value of other property in the neighborhood where it is to be located.
- 4) **That** the property that is the subject of the special exception is suitable for the type of use proposed by virtue of its location, shape, topography, and by virtue of its compatibility with adjacent development, with uses allowed in adjacent land use and zoning districts, and with the character of the zoning district where it is located.
- 5) **That** adequate buffering, landscaping and screening are provided as required in this article, or as necessary to provide a visual and sound barrier between adjacent property and the property that is the subject of the special exception.
- 6) **That** adequate off-street parking and loading are provided and ingress and egress are so designed as to cause minimum interference with or congestions of vehicular or pedestrian traffic on abutting streets or of boat or vessel traffic on adjacent waterways.
- 7) **That** the use conforms with all applicable regulations governing the district where located, as may otherwise be determined for large-scale developments.
- 8) **That** the use is consistent with the provisions of the Levy County Comprehensive Plan and the Land Development Code, and that the application and use comply with the applicable provisions of Chapter 50, Article XIII, Division 5, Subdivision II, Levy County Code and with any specific requirements for the use contained in Chapter 50, Article XIII, Division 3, Subdivision II, Levy County Code.

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**COMPLETE RESPONSES MUST BE PROVIDED ON THIS PAGE. IF MORE SPACE IS NEEDED, PLEASE ATTACH AN ADDITIONAL PAGE. IF THERE IS ANY DOCUMENTATION TO SUPPORT THE RESPONSES BELOW, PLEASE ATTACH SUCH DOCUMENTATION.**

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- 1) That the use is a special exception use as set forth in Schedule 1. Use Regulations, of section 50-676, Levy County Code, or as set forth in the Levy County Comprehensive Plan.  
Major mining, excavation and fill activities or operations is listed as a special exception for District "A/RR."  

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- 2) That the use is so designated, located and proposed to be operated that the public health, safety, welfare and convenience will be protected.  
The proposed use is remotely located and will be operated in accordance with the requirements of Chapter 50-719 of the Levy County Code in order to protect Public Health, Safety, Welfare, and Convenience.  

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- 3) That the use will not cause substantial injury to the value of other property in the neighborhood where it is to be located.  
By incorporating the requirements of CH. 50-719 of the Levy County Code into the design of the proposed use, the proposed use will not cause substantial injury to the value of the property(s) in the neighborhood where it is located and the land will return to the original use of Farm/Crop Land upon completion.
- 4) That the property that is the subject of the special exception is suitable for the type of use proposed by virtue of its location, shape, topography, and by virtue of its compatibility with adjacent development, with uses allowed in adjacent land use and zoning districts, and with the character of the zoning district where it is located.  
The proposed property is suitable for the proposed mining activity based upon the geotechnical evaluation performed on the property and based upon the location, shape, topography, and is similar in compatibility with neighboring properties that major mining activities are to be allowed as a Special Exception within District A/RR.
- 5) That adequate buffering, landscaping and screening are provided as required in this article, or as necessary to provide a visual and sound barrier between adjacent property and the property that is the subject of the special exception.  
The proposed project will incorporate a vegetative buffer consisting of the planting of Sand Pines spaced 6 feet apart in staggered rows 6 feet apart within a minimum 50 feet width of the provided 100 feet setback from property lines and to provide a minimum of 80% opacity while standing at the property lines.
- 6) That adequate off-street parking and loading are provided and ingress and egress are so designed as to cause minimum interference with or congestions of vehicular or pedestrian traffic on abutting streets or of boat or vessel traffic on adjacent waterways.  
No off-street parking and loading are required for the proposed use and the Ingress/Egress to/from the property will be from a privately owned improved road therefore not causing congestion of vehicular or pedestrian traffic on abutting streets.
- 7) That the use conforms with all applicable regulations governing the district where located, as may otherwise be determined for large-scale developments.  
The proposed major mining use conforms with all applicable regulations governing the District A/RR.  

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- 8) That the use is consistent with the provisions of the Levy County Comprehensive Plan and the Land Development Code, and that the application and use comply with the applicable provisions of Chapter 50, Article XIII, Division 5, Subdivision II, Levy County Code, and with any specific requirements for the use contained in Chapter 50, Article XIII, Division 3, Subdivision II, Levy County Code.  
The proposed major mining use is consistent with the Levy County Comprehensive Plan, Land Development Code, and the application and use complies with the applicable requirements of Chapter 50-729 of the Levy County Code.  

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**STANDARD CONDITIONS OF APPROVAL – THESE CONDITIONS, IN SUBSTANTIALLY THE FORM CONTAINED HEREIN, WILL BE CONTAINED IN EACH ORDER OF APPROVAL FOR SPECIAL EXCEPTIONS. THERE MAY BE ADDITIONAL CONDITIONS THAT WILL APPLY.**

1. The following words, terms, or phrases, when used in this Order or Conditions of Approval, shall have the meanings ascribed to them in this Condition 1, except where the context clearly indicates a different meaning:

*Applicant* shall mean \_\_\_\_\_, jointly or severally (use this phrase if more than one applicant) or any of his/her, its or their successors or assigns.

*Application* \_\_\_\_\_ shall mean the request filed by Applicant with the County for a Special Exception for \_\_\_\_\_ including the completed application form and all additional documents submitted by the Applicant (include all supplementary documents if unusual supplementary documents are part of the application so that maps/other documents that were part of the Application are identifiable).

*County* shall mean Levy County, Florida.

*Department* shall mean the Levy County Planning and Zoning Department, or any successor County Department with the duties of administering and enforcing the zoning regulations of the County.

*Subject Property* shall mean the property described on Exhibit "A" attached hereto. (Or described as (and insert legal): \_\_\_\_\_ ).

2. The Conditions of Approval contained in this Order shall be enforceable against the Applicant, any of the Applicant's parent entities, any of the Applicant's subsidiary entities that are involved in any way in the activities, uses, or operations approved by this Order, the owner of the Subject Property, any operator of the activities or operations approved by this Order, the holder of the special exception approval granted by this Order, or any of their successors or assigns, jointly and severally. In addition, any decision, approval, or determination made or required to be made by the County or the Department pursuant to any Condition of Approval contained in this Order shall be final.

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**STANDARD CONDITIONS OF APPROVAL**

3. The approval granted by this Order is for \_\_\_\_\_ (insert the use from the Application). The approval granted by this Order is also subject to any and all conditions or requirements contained in Section \_\_\_\_\_ (insert the specific section number that governs the use, if any), Levy County Code, for \_\_\_\_\_ (insert the term from the Code for the proposed use), and all other applicable provisions of the Levy County Code, regardless of whether such condition or requirement is expressly set forth in these Conditions of Approval.

4. Issuance of this Order does not in any way create any rights on the part of the Applicant to obtain a permit from any state or federal agency and does not create liability on the part of the County for issuance of this Order if the Applicant fails to obtain requisite approvals or fulfill the obligations imposed by such state or federal agency or undertakes actions that result in violation of state or federal law.

5. All other state or federal permits applicable to the approvals granted by this Order shall be obtained prior to commencement of the use of the Subject Property for \_\_\_\_\_ (insert proposed use from Application).

**I have read and understand the foregoing Standard Conditions of Approval and that these Standard Conditions of Approval will be contained in any Order granting approval of this application, if this application is approved, in substantially the same form as shown.**

**Applicant's Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**SPECIAL EXCEPTION APPLICATION  
LEVY COUNTY, FLORIDA**

---

**Section VII. COMPREHENSIVE PLAN.** The proposed use must be compatible with the Comprehensive Plan and Future Land Use Map. Refer to the adopted Levy County Comprehensive Plan for applicable goals, objectives and policies. For assistance, call the Levy County Planning and Zoning Department at 352-486-5203.

**Section VIII.** The applicant states that he/she has read and understands the instructions and submission requirements stated in this application. Approval granted by the BOCC in no way constitutes a waiver from any applicable local, state, or federal laws, statutes, ordinances, rules or regulations.

I hereby certify that the information contained in this application and its supplements are true and correct, and that I am the legal owner or authorized agent of the above described property.

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

**Section IX. APPLICATION INSTRUCTIONS:**

- ( a ) An application for a special exception must be accompanied with a fee as contained in the most recent fee schedule adopted by the BOCC. Please note, the application fee may be subject to change. Confirm fee at the time of application.
- ( b ) If the applicant is not the owner of record of the property, the owner must agree to this application either by signing the application form, or by submitting a notarized letter authorizing the applicant to act as an agent. **Owner's authorization is required at the time this application is submitted.**
- ( c ) **All required documentation and submission material is required to accompany the application at the time the application is submitted. Applications are screened for completeness. Depending on the proposed use, additional information may be required. Failure to provide all information and submission material required shall delay the review of the application until such time as all materials are received.**
- ( d ) The minimum criteria for the applicable zoning district must be met uniformly for every special exception. These standards are not exclusive of any other standards which may be established by the Planning Commission or the BOCC due to particular circumstances which are unique to the property for which the special exception is being requested.
- ( e ) **Special exception applications are processed once a month. Applications received and found complete by the first day of a month will tentatively be scheduled, advertised and presented at the Planning Commission public hearing the following month, and for the BOCC public hearing the next following month. Applications received after the first day of a month will not be scheduled for the following month.**
- ( f ) Any information changes must be submitted in writing to the Planning and Zoning Department and received within 10 working days prior to the Planning Commission public hearing.





**SPECIAL EXCEPTION APPLICATION  
LEVY COUNTY, FLORIDA**

**Section X. CERTIFICATION**

The undersigned has read and understands the application, and has received, read and understands the submittal requirements. It is agreed and understood that the undersigned will be held responsible for the accuracy of the application and information submitted. The undersigned hereby attests to the fact that the parcel number (s) and legal description (s) provided is/are the true and proper identification of the area of which the petition is being submitted. Signatures of all owners or their agents are required on this form. Signatures by other than the owner (s) will be accepted only with notarized proof of authorization by the owner (s).

**Owner of Record**

Name: Ryan Thomas

Address: 11151 N.E. 35th St., Bronson, FL 32621

Phone: (352) 258-9547

**Owner of Record**

Name: Lee A. Thomas

Address: 4990 N.E. 195th Ct., Williston, FL 32696

Phone: (352) 258-9547

No person submitting an application may rely upon any comment concerning a proposed amendment, or any expression of any nature about the proposal made by any participant, at any pre-application conference as a representation or implication that the proposal will be ultimately approved or rejected in any form. To meet with staff to discuss the proposal, please call (352) 486- 5203 for an appointment.

**OWNER VERIFICATION**

I hereby certify that the information contained in this application and its supplements are true and correct, and that I am the legal owner of the above described property.

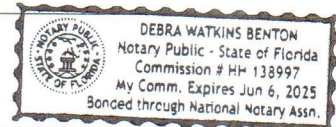
Date: 5/16/23 Owner Signature [Signature]

STATE OF FLORIDA  
COUNTY OF Levy

Sworn to and scribed before me this 16 Day of May 20 23, by (name)

Personally known X Identification Expiration Date: \_\_\_\_\_

[Signature]  
Notary Public Signature



**AGENT VERIFICATION**

I hereby certify that the information contained in this application and its supplements are true and correct, and that I am the authorized agent of the above described property.

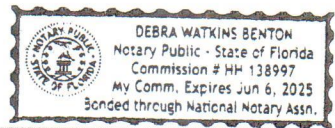
Date: 5/16/2023 Authorized Agent Signature [Signature]

STATE OF FLORIDA  
COUNTY OF Levy

Sworn to and scribed before me this 16 Day of May 20 23, by  
Ryan Thomas

Signature – Notary Public [Signature]

Personally known X Identification Expiration Date \_\_\_\_\_



**SPECIAL EXCEPTION APPLICATION  
LEVY COUNTY, FLORIDA**

**Section X. CERTIFICATION**

The undersigned has read and understands the application, and has received, read and understands the submittal requirements. It is agreed and understood that the undersigned will be held responsible for the accuracy of the application and information submitted. The undersigned hereby attests to the fact that the parcel number (s) and legal description (s) provided is/are the true and proper identification of the area of which the petition is being submitted. Signatures of all owners or their agents are required on this form. Signatures by other than the owner (s) will be accepted only with notarized proof of authorization by the owner (s).

**Owner of Record**

Name: Ryan Thomas  
Address: 11151 N.E. 35th St., Bronson, FL 32621  
Phone: (352) 258-9547

**Owner of Record**

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Phone: (352) 258-9547

No person submitting an application may rely upon any comment concerning a proposed amendment, or any expression of any nature about the proposal made by any participant, at any pre-application conference as a representation or implication that the proposal will be ultimately approved or rejected in any form. To meet with staff to discuss the proposal, please call (352) 486- 5203 for an appointment.

**OWNER VERIFICATION**

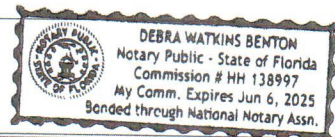
I hereby certify that the information contained in this application and its supplements are true and correct, and that I am the legal owner of the above described property.

Date: 5/16/2023 Owner Signature [Signature]

STATE OF FLORIDA  
COUNTY OF Levy

Sworn to and scribed before me this 16 Day of May 2023, by (name)

Personally known X Identification Expiration Date: \_\_\_\_\_  
[Signature]  
Notary Public Signature



**AGENT VERIFICATION**

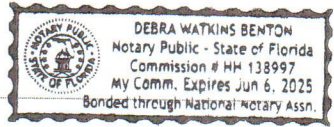
I hereby certify that the information contained in this application and its supplements are true and correct, and that I am the authorized agent of the above described property.

Date: 5/16/2023 Authorized Agent Signature [Signature]

STATE OF FLORIDA  
COUNTY OF Levy

Sworn to and scribed before me this 16 Day of May 2023, by  
Lee A. Thomas

Signature – Notary Public [Signature]  
Personally known X Identification Expiration Date \_\_\_\_\_



ATTACHMENT "A"

SECTION II: PARCEL INFORMATION

INGRESS/EGRESS PROPERTIES

<u>Parcel Number(s)</u>	<u>Section/Township/Range</u>	<u>Acreage</u>	<u>Owner</u>
5) 0360400600	02 / 13S / 17E	80+/-	Ryan Thomas
6) 0360400000	02 / 13S / 17E	40+/-	Ryan Thomas
7) 036040040B	02 / 13S / 17E	20+/-	Ryan Thomas
8) 036040040A	02 / 12S / 17E	20.54+/-	Ryan Thomas
9) 0360400400	02 / 13S / 17E	40.54+/-	Ryan Thomas
10) 0360400500	02 / 13S / 17E	80+/-	Ryan Thomas
11) 0360600500	03 / 13S / 17E	26+/-	Ryan Thomas
12) 0360600300	03 / 13S / 17E	151.44+/-	Lee A. Thomas
13) 0360600000	03 / 13S / 17E	45.83+/-	Lee A. Thomas
14) 0359400000	34 / 12S / 17E	160+/-	Lee A. Thomas
15) 0359200000	33 / 12S / 17E	49+/-	Lee A. Thomas

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 4<sup>th</sup> 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 4<sup>th</sup> 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.

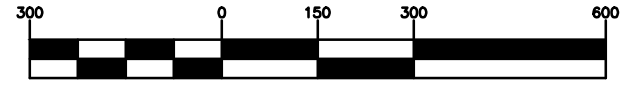
Subject to any restrictions, easements, and/or adverses that pertain to this property.  
Parcel ID# 0412300200

AND

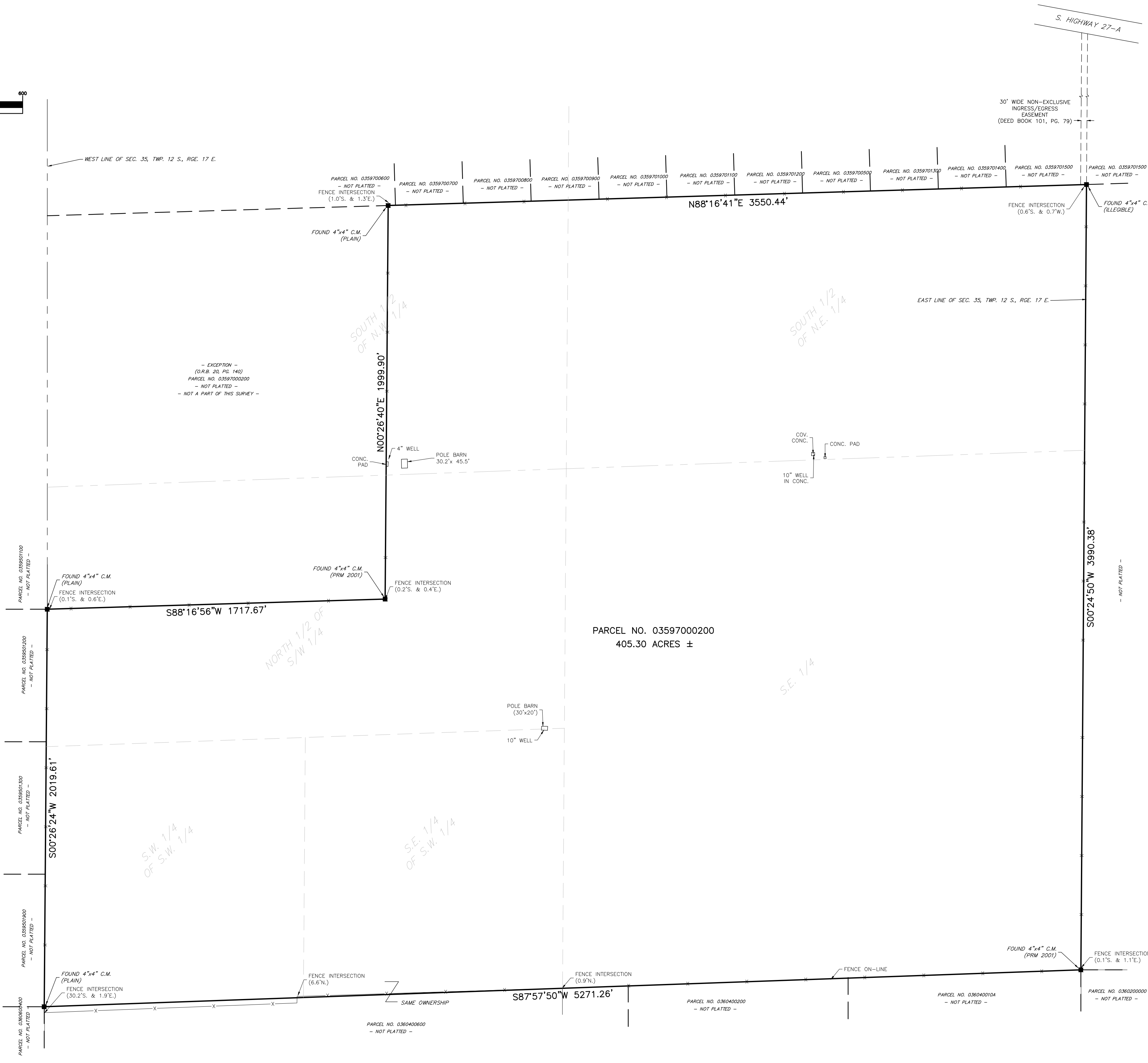
A parcel of land lying in Section 23, inside the Arredondo Grant, Township 12 South, Range 18 East, Levy County, Florida, being more particularly described as follows: Commence at a railroad spike at the Northeast corner of said Section 23, Inside the Arredondo Grant, and run N 89°59'38" West, along 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



GRAPHIC SCALE



(IN FEET)  
HORIZ. 1 inch = 300 ft.



LEGAL DESCRIPTION:

THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE NORTH 1/2 OF THE SOUTHWEST 1/4 AND THE SOUTH 1/2 OF THE NORTHWEST 1/4 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 1/4 OF THE SOUTHWEST 1/4 OF SECTION 35, TOWNSHIP 12 SOUTH, RANGE 17 EAST, LEVY COUNTY, FLORIDA. PARCEL ID# 0359700300

AND

THE SOUTHEAST 1/4 OF SECTION 35, TOWNSHIP 12 SOUTH, RANGE 17 EAST, LEVY COUNTY, FLORIDA. PARCEL ID# 0359700400

AND

THE SOUTH 1/2 OF THE NORTHEAST 1/4 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 1/4 OF THE NORTHEAST 1/4 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

SURVEY REPORT:

1. FIELD MEASURED BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE, NAD-83, AND DERIVED FROM THE L-NET NETWORK.
2. FIELD SURVEY DATE: 2-2-2023.
3. NO TITLE INFORMATION REFLECTING RIGHTS-OF-WAY, OR EASEMENTS OF RECORD, WAS FURNISHED TO THE SURVEYOR UNLESS SHOWN OR NOTED HEREON.
4. INTERIOR FENCES WERE NOT SHOWN FOR CLARITY.
5. UNDERGROUND IMPROVEMENTS OR UTILITIES, IF ANY, WERE NOT LOCATED.
6. THIS PROPERTY APPEARS TO BE IN A ZONE "X" (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY NUMBER 120145, PANEL 0215, SUFFIX F, WITH AN EFFECTIVE DATE OF 11/2/2012.
7. THIS PROPERTY THIS SURVEY MEETS THE STANDARDS OF PRACTICE CONTAINED IN CHAPTER 5J-17.050 THROUGH .052, FLORIDA ADMINISTRATIVE CODE AND THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THE MINIMUM RELATIVE DISTANCE ACCURACY FOR RURAL LAND USE.
8. UNLESS IT BEARS THE DIGITAL SIGNATURE AND CERTIFICATION OR THE PHYSICAL SIGNATURE AND SEAL OF THE LICENSED SURVEYOR AND MAPPER, THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

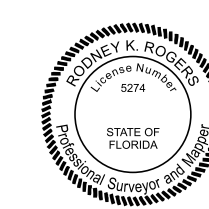
DATE	REVISION

Robert L. Rogers, PE  
rlrogers@rogerseng.com  
Rodney K. Rogers, PSM  
rkrogers@rogerseng.com  
Mekelle M. Boyette, PSM  
kboyette@rogerseng.com

**ROGERS ENGINEERING, LLC**  
Civil Engineering & Land Surveying

1105 S.E. 3rd Avenue • Ocala, Florida 34471 • Ph. (352) 622-9214 • Lic. Bus. #4074

A BOUNDARY SURVEY FOR 3RT SAND MINE



RODNEY K. ROGERS DATE  
PROFESSIONAL SURVEYOR & MAPPER  
REGISTRATION NO. 5274  
STATE OF FLORIDA

JOB No. 22_MASTER
DATE 2-7-2023
SCALE 1" = 300'
SHEET 1 OF 1





**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Main Ingress/Egress from/to N.E. 30<sup>th</sup> St.



Ingress/Egress Road



Point 1 on Site Plan looking East



Point 1 on Site Plan looking Southeast



Point 1 on Site Plan looking South



Point 1 on Site Plan looking Southwest



**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Point 1 on Site Plan looking West



Point 1 on Site Plan looking Northwest



Point 1 on Site Plan looking North



Point 1 on Site Plan looking Northeast



Point 2 on Site Plan looking South



Point 2 on Site Plan looking Southwest



**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Point 2 on Site Plan looking West



Point 2 on Site Plan looking Northwest



Point 2 on Site Plan looking North



Point 2 on Site Plan looking Northeast



Point 2 on Site Plan looking East



Point 2 on Site Plan looking Southeast



**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Point 3 on Site Plan looking West



Point 3 on Site Plan looking Northwest



Point 3 on Site Plan looking North



Point 3 on Site Plan looking Northeast



Point 3 on Site Plan looking East



Point 3 on Site Plan looking Southeast



**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Point 3 on Site Plan looking South



Point 3 on Site Plan looking Southwest



Point 4 on Site Plan looking North



Point 4 on Site Plan looking Northeast



Point 4 on Site Plan looking East



Point 4 on Site Plan looking Southeast



**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Point 4 on Site Plan looking North



Point 4 on Site Plan looking Northeast



Point 4 on Site Plan looking East



Point 4 on Site Plan looking Southeast



Point 5 on Site Plan looking West



Point 5 on Site Plan looking Southwest



**3RT Sand Mine Property  
400.0+/- Acres  
Sec. 35, Twn. 123S, Range 17E.  
11151 N.E. 35<sup>th</sup> Street  
Bronson, Levy County, Florida**



Point 5 on Site Plan looking North



Point 5 on Site Plan looking Northeast



Point 5 on Site Plan looking East



Point 5 on Site Plan looking Southeast



Point 5 on Site Plan looking South



Point 5 on Site Plan looking Southwest



**3RT Sand Mine Property**  
**400.0+/- Acres**  
**Sec. 35, Twn. 123S, Range 17E.**  
**11151 N.E. 35<sup>th</sup> Street**  
**Bronson, Levy County, Florida**



Point 6 on Site Plan looking North



Point 6 on Site Plan looking Northeast



Point 6 on Site Plan looking East



Point 6 on Site Plan looking Southeast



Point 6 on Site Plan looking South



Point 6 on Site Plan looking Southwest





**3RT Sand Mine Property  
400.0+/- Acres  
Sec. 35, Twn. 123S, Range 17E.  
11151 N.E. 35<sup>th</sup> Street  
Bronson, Levy County, Florida**



Point 6 on Site Plan looking West



Point 6 on Site Plan looking Northwest



## MEMORANDUM

---

Date: April 17, 2023  
To: Ms. Stacey Hectus  
Planning and Zoning Director  
Levy County  
320 Mongo Street  
Bronson, FL 32621  
From: Kok Wan Mah, PE  
Project: 3RT Sand Mine  
Subject: Traffic Impact Statement, Roadway Capacity

---

Project #: 29057

### **Introduction**

The purpose of this memorandum is to provide a Traffic Impact Assessment as required by Levy County Code of Ordinances, Sec. 50-719 for the proposed 3RT Sand Mine, which requires a Traffic Impact Assessment to support a Special Exception and demonstrate adequate capacity on impacted roads. The proposed sand mine project location is approximately 1.3 miles east of CR 337 and 1 mile north of NE 30th Street in Levy County, Florida. Access to the site will be a restricted access driveway that will lead out to CR 337 via NE 42<sup>nd</sup> Street. The property includes parcel numbers are 0359701600, 0359700400, 0359700000, and 0359700300. The property is approximately 400 acres. A map showing the parcel boundary and parcel ownership is attached (**Figure 1**).

### **Trip Generation Summary and Site Operations**

The ITE Trip Generation Manual, 11<sup>th</sup> Edition does not include information for a sand mine or other similar use. Therefore, the trip generation for the proposed project is based on input from the Applicant with a description of the operations for the site.

As a natural resource extraction mine, the site is expected to generate a low volume of trips per day and is not open to the public. The mine is expected to have two to three employees on site and only one or two truck drivers that will make multiple trips to and from the facility along the hauling route. Additionally, the site may work with other contractors in the area to permit their trucks to haul fill from the site. Based on input from the property owner, this may include two or three additional trucks. Each truck has capacity to hold between 10 and 16 cubic yards of fill. Loading times vary, depending on whether the loading is done with an excavator or front loader, the type of loading being done, and distance between the fill and the truck. On a productive day, it is expected that the trucks can make a maximum of 12 to 14 loads per day but often there will be less. Using a conservatively high average of three trucks with 14 loads per truck, this would result in a maximum of 140 trip ends (14 loads \* 2 trips ends \* 5 trucks). Three on-site employees would generate a maximum of 12 trips per day, assuming arrival at the beginning of the workday, departing and arriving for the lunch hour, and then departing at

the end of the day (2 work trips \* 2 lunch trips \* 3 employees). This would result in a total of 152 trip ends per day and less than 10 trips during the peak-hour. It should be noted that the current land use on the property includes agricultural operations. Per the owner of the property, during harvesting seasons, the number of trucks entering and leaving the highway exceeds the number of truck trips that would be experienced as a sand mine.

**Roadway Capacity Evaluation**

Roadways within a 3-mile radius of the site were evaluated for existing and future capacities.

Segment ID	Segment	From	To	# Lanes	Classification	LOS Std.	Daily Capacity	2021 AADT	LOS	v/c
349131	CR 337	E Levy Street	Alt US 27	2	Arterial	C	6,020	2,400	B	0.40
349100	NE 60th Street	CR 337	Alt US 27	2	Collector	C	9,030	850	C	0.09
349111	CR 343	CR 326	CR 337	2	Arterial	C	6,020	250	B	0.04
340132	Alt US 27	CR 337	NE 60th Street	4	Arterial	C	34,000	9,200	C	0.27
Source: LOS Standard based on Levy County Comprehensive Plan, daily capacity from FDOT Generalized LOS tables										
AADT from FDOT Traffic Online										

As the table shows, there is adequate capacity on the area roadway segments. Even if all project traffic were routed on the same segment, none of the segments would be over capacity. The volume-to-capacity ratio for road segments in the area range from 0.09 to 0.40.

**Driveway Access Assessment**

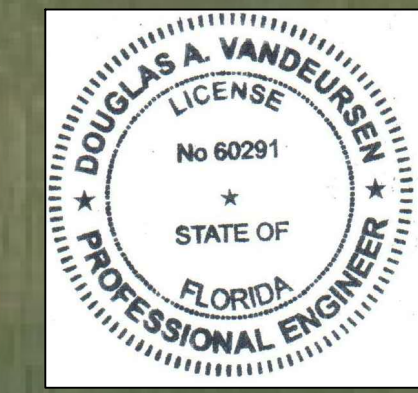
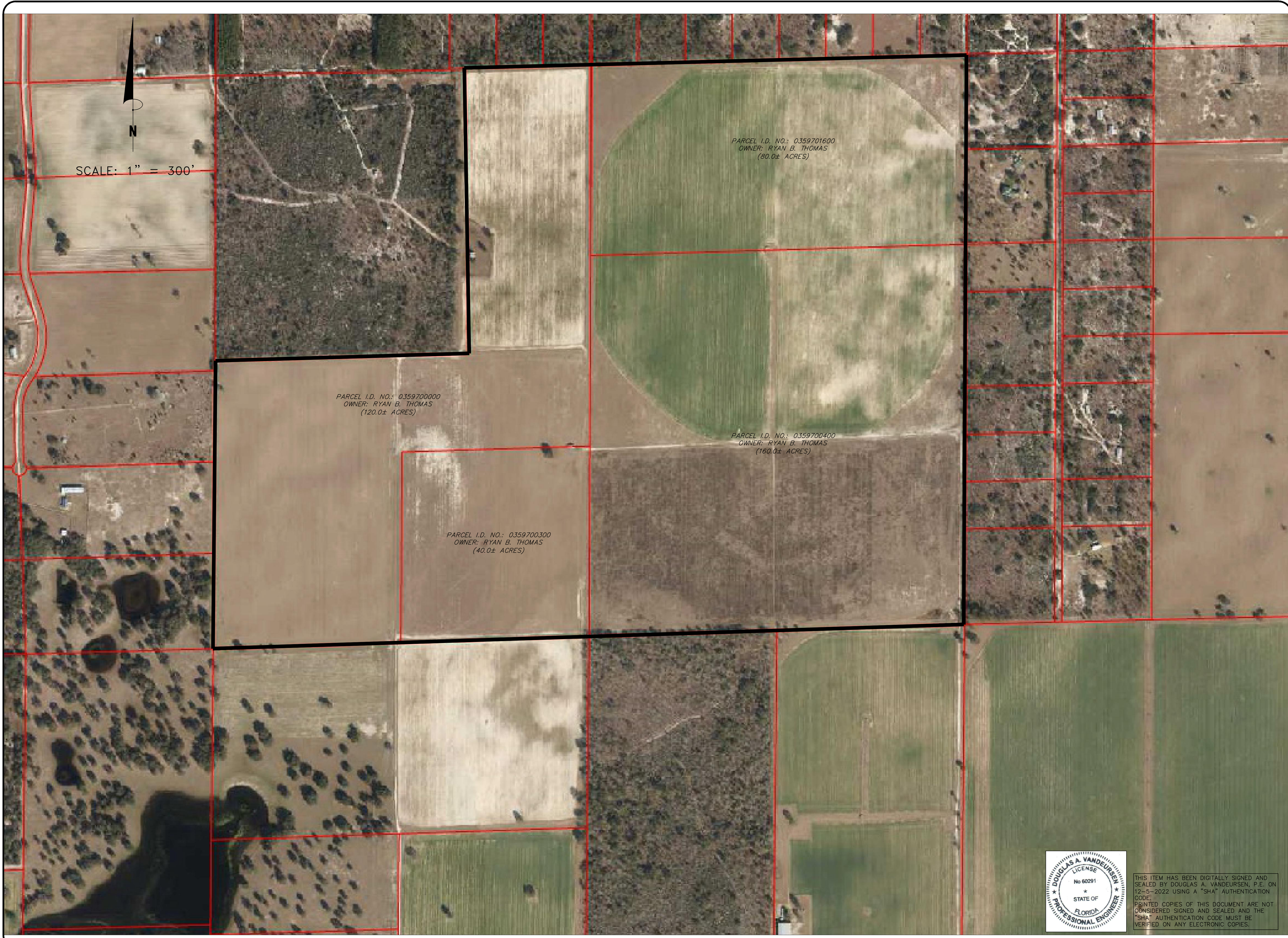
Access to the proposed property will be to CR 337 via NE 42<sup>nd</sup> Street. A map showing the general routing from the site to CR 337 is provided in **Figure 2**. The truck route shown will navigate through the site and properties owned by the Applicant or Applicant’s family to CR 337.

**Conclusion**

In conclusion, the proposed sand mine site is expected to be a low trip generator, producing approximately 152 trips per day and less than 10 trips during the peak-hour. The number of truck trips is expected to be less than the current agricultural operations on the site. This analysis is provided to support the Special Exception Application. We would appreciate the County’s consideration of this request.

Sincerely,

Kok Wan Mah, P.E.  
Associate Transportation Engineer  
Kittelsohn and Associates Inc.  
kmah@kittelsohn.com



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DOUGLAS A. VANDEURSER, P.E. ON 12-5-2022 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.

**DNM ENGINEERING & ASSOCIATES, INC.**  
P.O. BOX 42  
(352) 624-2068  
OCALA, FLORIDA 34478  
FAX (352) 622-6643  
CAN: 9724

**PROPERTY OWNERSHIP MAP**  
**3RT SAND MINE**  
**N.E. 110TH AVENUE**  
**BRONSON, LEVY COUNTY, FLORIDA**

DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE

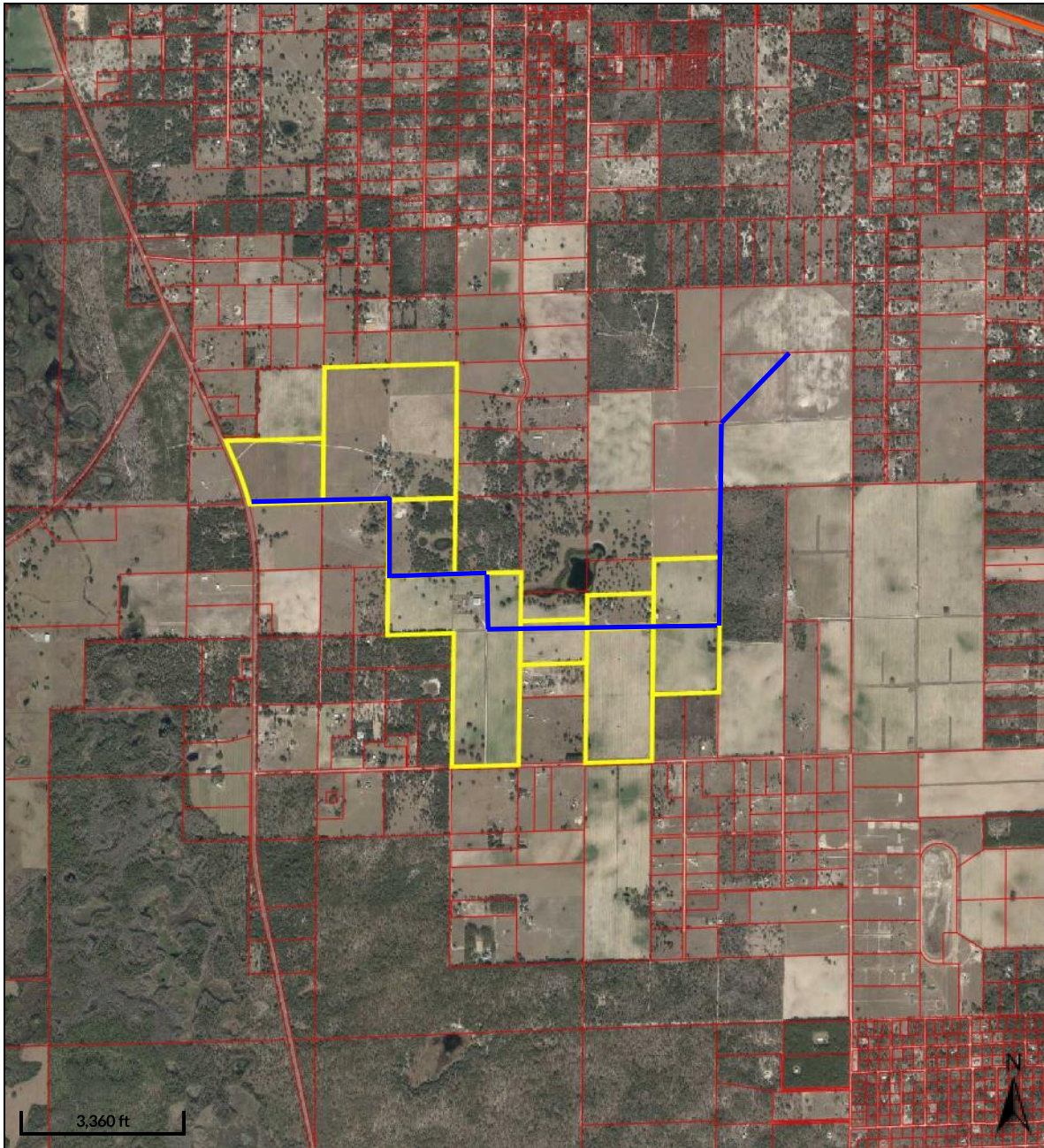
Project No. 22-084

**SM1**

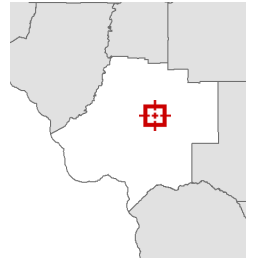
Sheet 3 Of 8



# Levy County, FL



## Overview



## Legend

- Parcels
- City Labels

Date created: 4/6/2023  
Last Data Uploaded: 4/5/2023 7:22:21 PM

Developed by  Schneider  
GEOSPATIAL

April 21, 2023  
Project No. 23-2162.19.1

Douglas A. VanDeursen, P.E.  
DNM Engineering & Associates, Inc.  
P.O. Box 42  
Ocala, Florida 34478

Reference: Existing County Road 337, Proposed 3RT Sand Pit, NE 110<sup>th</sup> Avenue  
Bronson, Levy County, Florida  
**Pavement Analysis**

Dear Mr. VanDeursen:

Geo-Technologies, Inc. (Geo-Tech) performed pavement analysis on a section of existing County Road 337 between County Road 326 and north of NE 30<sup>th</sup> Street per your request. Our analysis was performed in order to provide an opinion on roadway stability for an expected increase in traffic due to three (3) axle trucks accessing the proposed sand mine.

The original asphalt thickness is unknown for this section of roadway. However, Geo-Tech was provided the spread rate for each time the roadway was resurfaced to estimate the approximate asphalt thickness for use in our analysis.


Geo-Tech has determined an existing structural number of 3.67. This structural number is capable of withstanding 5,000,000 ESALs according to Table A.2A in the FDOT Flexible Pavement Design Manual.

Geo-Tech understands the proposed daily traffic will be approximately 75 one-way trips based on information provided by you. Geo-Tech utilized a Reliability (%R) of 80 and a Resilient Modulus ( $M_R$ ) of 12,000 for our calculations to determine that the total ESALs for the aforementioned traffic is approximately 550,000.

In Geo-Tech's opinion, an increase in ESALs due to the expected increase in traffic is minimal. Geo-Tech recommends additional roadway analysis be performed should traffic increase more significantly than expected. However, minimal increases would not be of concern.

Geo-Tech appreciates the opportunity to provide our services for this project. Please contact the undersigned with any questions regarding the contents of this report or for further assistance.

Sincerely,

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

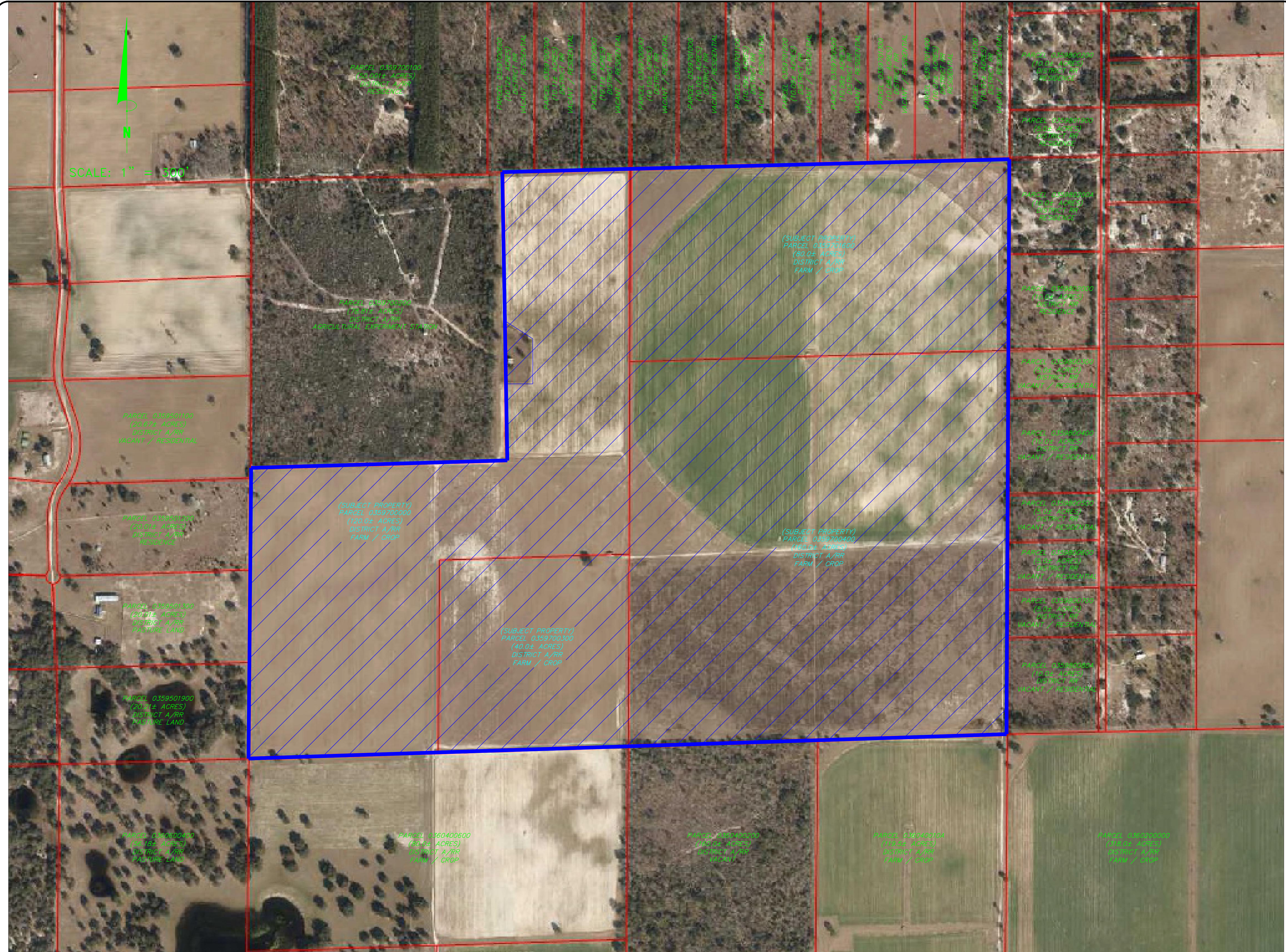








SCALE: 1" = 300'



PARCEL 0359501100  
(20.67± ACRES)  
DISTRICT A/RR  
VACANT / RESIDENTIAL

PARCEL 0359501200  
(20.01± ACRES)  
DISTRICT A/RR  
RESIDENCE

PARCEL 0359501300  
(20.01± ACRES)  
DISTRICT A/RR  
PASTURE LAND

PARCEL 0359501900  
(20.01± ACRES)  
DISTRICT A/RR  
PASTURE LAND

PARCEL 0360000400  
(80.18± ACRES)  
DISTRICT A/RR  
PASTURE LAND

PARCEL 0359700100  
(83.04± ACRES)  
DISTRICT A/RR  
PASTURE

PARCEL 0359700200  
(120.01± ACRES)  
DISTRICT A/RR  
AGRICULTURAL EXPERIMENTAL STATION

(SUBJECT PROPERTY)  
PARCEL 0359700000  
(120.0± ACRES)  
DISTRICT A/RR  
FARM / CROP

(SUBJECT PROPERTY)  
PARCEL 0359700300  
(40.0± ACRES)  
DISTRICT A/RR  
FARM / CROP

PARCEL 0360400600  
(80.0± ACRES)  
DISTRICT A/RR  
FARM / CROP

PARCEL 0360000500  
(100.0± ACRES)  
DISTRICT A/RR  
PASTURE

PARCEL 0360400100  
(119.9± ACRES)  
DISTRICT A/RR  
FARM / CROP

PARCEL 0360000800  
(100.0± ACRES)  
DISTRICT A/RR  
FARM / CROP

(SUBJECT PROPERTY)  
PARCEL 0360000100  
(80.0± ACRES)  
DISTRICT A/RR  
FARM / CROP

(SUBJECT PROPERTY)  
PARCEL 0359700400  
(80.0± ACRES)  
DISTRICT A/RR  
FARM / CROP

**DNM ENGINEERING & ASSOCIATES, INC.**  
P.O. BOX 42  
(352) 624-2068  
OCALA, FLORIDA 34478  
FAX (352) 622-6643  
CAN: 9724

**PROPERTY APPRAISER AERIAL OVERLAY**  
**3RT SAND MINE**  
**N.E. 110TH AVENUE**  
**BRONSON, LEVY COUNTY, FLORIDA**

DRN	CHK	DATE	DESCRIPTION
DAV	DAV	28 FEB 23	ORIGINAL ISSUE

Project No. 22-084

**AO**

Sheet 1 Of 1



# 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](http://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)

December 22, 2022

Ryan Thomas  
11151 NE 35th St  
Bronson, FL 32621

Subject: **Notice of Intended Agency Action - Approval  
ERP Individual Construction**  
Project Name: 3RT Sand Mine  
App ID/Permit No: 857006 / 43046299.000  
County: Levy  
Sec/Twp/Rge: S36/T12S/R17E, S02/T13S/R17E, S35/T12S/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,

David Kramer, P.E.  
Bureau Chief  
Environmental Resource Permit Bureau  
Regulation Division

cc: Orlando Rivera  
Douglas VanDeursen P.E., DNM Engineering & Assoc., Inc.



# Southwest Florida Water Management District

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Sec/Twp/Rge: S36/T12S/R17E, S02/T13S/R17E, S35/T12S/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](http://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](http://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,

David Kramer, P.E.  
Bureau Chief  
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:             Orlando Rivera  
                  Douglas VanDeursen P.E., DNM Engineering & Assoc., Inc.

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
ENVIRONMENTAL RESOURCE  
INDIVIDUAL CONSTRUCTION  
PERMIT NO. 43046299.000**

**EXPIRATION DATE:** December 22, 2027

**PERMIT ISSUE DATE:** December 22, 2022

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:** 3RT Sand Mine  
**GRANTED TO:** Ryan Thomas  
11151 NE 35th St  
Bronson, FL 32621  
**OTHER PERMITTEES:** N/A

**ABSTRACT:** This permit authorization is for the construction of a 400-acre borrow pit project. The proposed activities include the construction of a borrow area as named above and as shown on the approved construction drawings. This includes a buffer around the property to allow offsite flows to be accommodated. The excavation will occur above the seasonal high water table and there is no impervious area proposed. Information regarding the stormwater management system, 100-year floodplain, wetlands and/or surface waters is stated below and on the permitted construction drawings for the proposed project. The project is located on the south side of NE 50th St, west of NE 121st Ave, in Levy County.

**OP. & MAIN. ENTITY:** Ryan Thomas  
**OTHER OP. & MAIN. ENTITY:** N/A  
**COUNTY:** Levy  
**SEC/TWP/RGE:** S36/T12S/R17E, S02/T13S/R17E, S35/T12S/R17E  
**TOTAL ACRES OWNED  
OR UNDER CONTROL:** 540.54  
**PROJECT SIZE:** 400.00 Acres  
**LAND USE:** Mining  
**DATE APPLICATION FILED:** September 20, 2022  
**AMENDED DATE:** N/A

**I. Water Quantity/Quality**

Water Quantity/Quality Comment:

The proposed borrow area will include a 100-foot setback around the 400-acre site to maintain historic drainage patterns. There is no impervious area proposed. Therefore, water quantity attenuation and water quality treatment are not required.

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**

<b>Encroachment (Acre-Feet of fill)</b>	<b>Compensation (Acre-Feet of excavation)</b>	<b>Compensation Type</b>	<b>Encroachment Result* (feet)</b>
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 the 100-year, 24-hour event.

\*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 December 05, 2022.
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](mailto: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.

**David Kramer, 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 June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(8)(b)5, F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
  - d. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice,"[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 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**

3RT Sand Mine

PROJECT NAME

Mining

PROJECT TYPE

Levy

COUNTY

S36/T12S/R17E, S02/T13S/R17E, S35/T12S/R17E

SEC(S)/TWP(S)/RGE(S)

Ryan Thomas

PERMITTEE

APPLICATION ID/PERMIT NO: 857006 / 43046299.000

DATE ISSUED: December 22, 2022



David Kramer, 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](http://www.flrules.org) or at the District's website at [www.WaterMatters.org/permits/rules](http://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) 367-9776. 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](http://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 Environmental Protection

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

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Shawn Hamilton**  
Secretary

July 7, 2023

3RT Sand Mine  
c/o Ryan Thomas  
11151 Northeast 35<sup>th</sup> Street  
Bronson FL, 32621  
Email: [rbthomas75@gmail.com](mailto:rbthomas75@gmail.com)

Re: **Notice of Intent to Mine - Deemed Complete**  
**Facility Name: 3RT Sand Mine**  
**DEP File No.: MMR\_436785**  
**Levy County**

Dear Mr. Thomas:

A Mining Notice for the referenced mine was received by the Department of Environmental Protection (Department) on June 13, 2023. The notice was determined to be complete upon receipt. Based on the review and recommendation of the Department staff, this is to advise you that the Mining Notice you have submitted is in compliance with Chapter 62C-39, Florida Administrative Code (F.A.C.).

The Mining Notice is not a permit and is not transferable. You are advised that authorizations may be required by other federal, state, and local entities. This notice does not relieve you from the obligation to obtain all required permits and authorizations. All areas disturbed by mining operations must be reclaimed to the standards provided in Rule 62C-39.008, F.A.C.

Department staff is available to assist you with satisfying your responsibility to meet all reclamation requirements. If you have recommendations, comments, or questions about reclamation regulation issues, do not hesitate to call Evan A. Martin, CWE at 850.245.8483 or via email at [Evan.A.Martin@FloridaDEP.gov](mailto:Evan.A.Martin@FloridaDEP.gov).

Sincerely,

A handwritten signature in blue ink that reads "Marisa Rhian".

Marisa Rhian, CWE, PWS  
Program Administrator  
Mining and Mitigation Program



***LEVY COUNTY  
SPECIAL EXCEPTION  
&  
EXCAVATION & FILL PERMIT  
APPLICATION  
FOR  
3RT SAND MINE***

***LOCATED AT:  
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***

***March 2023  
May 2023 (Revised)  
November 2023 (Revised)***

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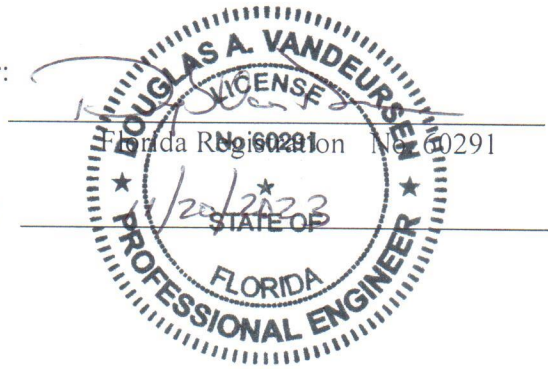
## CERTIFICATIONS

### 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: \_\_\_\_\_



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

## **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 20+/- acre 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 utilizing only on-site materials .

The main Ingress/Egress to the subject properties will be provided by an improved driveway connection located at the intersection of County Road 337 and N.E. 42<sup>nd</sup> Street with the travel route traversing along existing dirt roads through properties currently owned by either Lee A. Thomas and Ryan Thomas as shown on the Ingress/Egress Map in Appendix A. County Road 337 currently has the capacity and is structurally stable to handle the increased traffic from the proposed project.

The proposed hours of operation of the sand mine will be between the hours of 7:00 am to 6:00 pm Monday thru Saturday. All excavation on the subject property will be removed mechanically with no blasting proposed. 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: **Ryan B. Thomas**  
Mailing Address: **11151 Northeast 35<sup>th</sup> Street**  
City, State, Zip: **Bronson, Florida 32621**  
Office Number: **(352) 258-9547**  
Email Address: [\*\*rbthomas75@gmail.com\*\*](mailto:rbthomas75@gmail.com)

## **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 C 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 B. 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 maintaining 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 – Ingress/Egress Map

Appendix B – Soils Map

Appendix C – FEMA FIRM Map

Appendix D – Geotechnical Report

Appendix E – Perimeter Buffer Detail

*APPENDIX A*

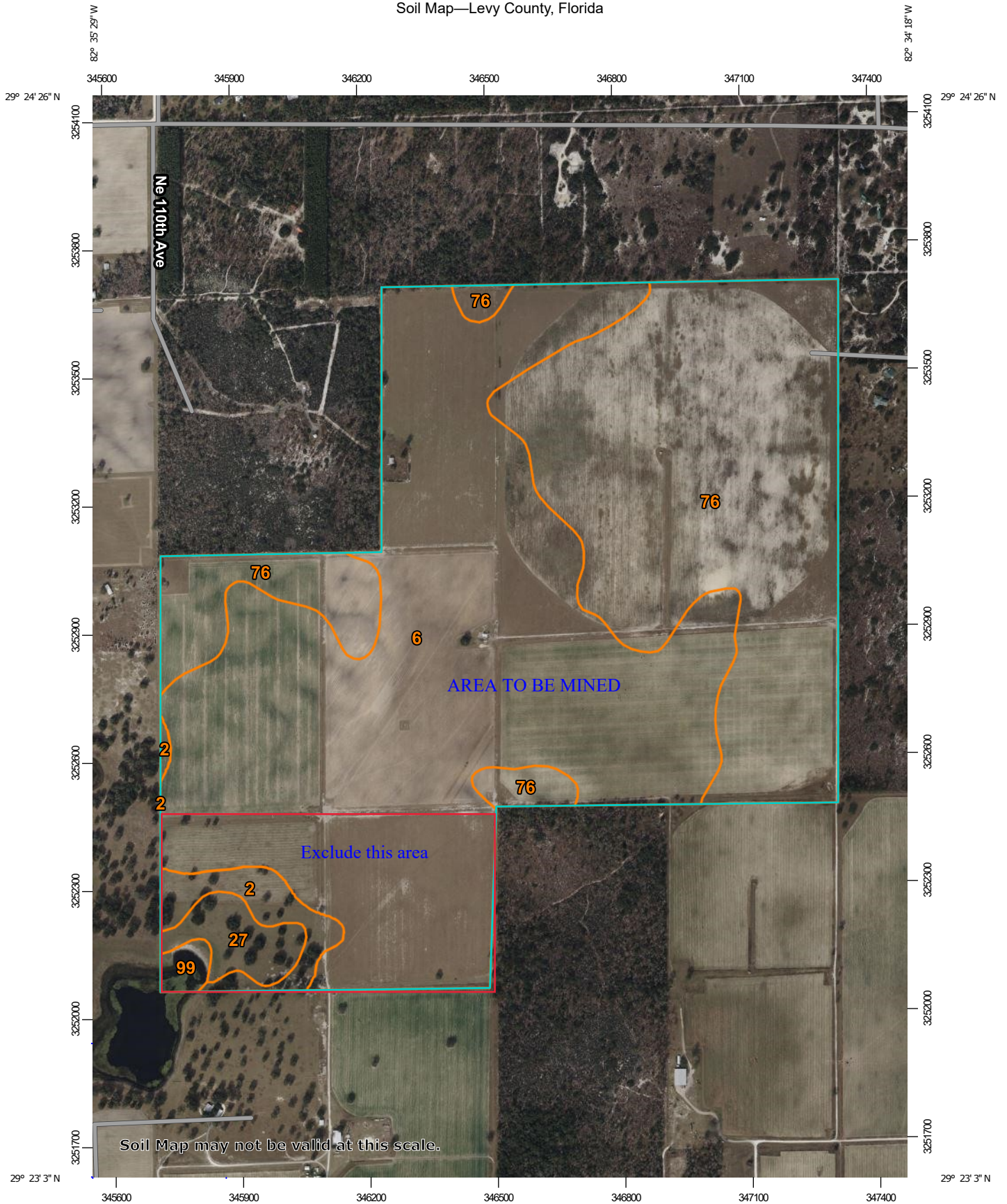
*INGRESS / EGRESS MAP*

***APPENDIX B***

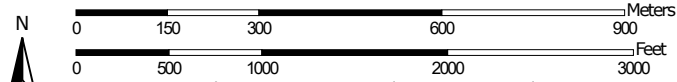
***SOILS MAP***



Soil Map—Levy County, Florida



Map Scale: 1:12,400 if printed on A portrait (8.5" x 11") sheet.



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



Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

5/26/2022 Page 1 of 3

### 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 C*

*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.

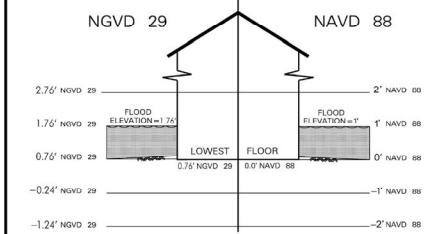
**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

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.

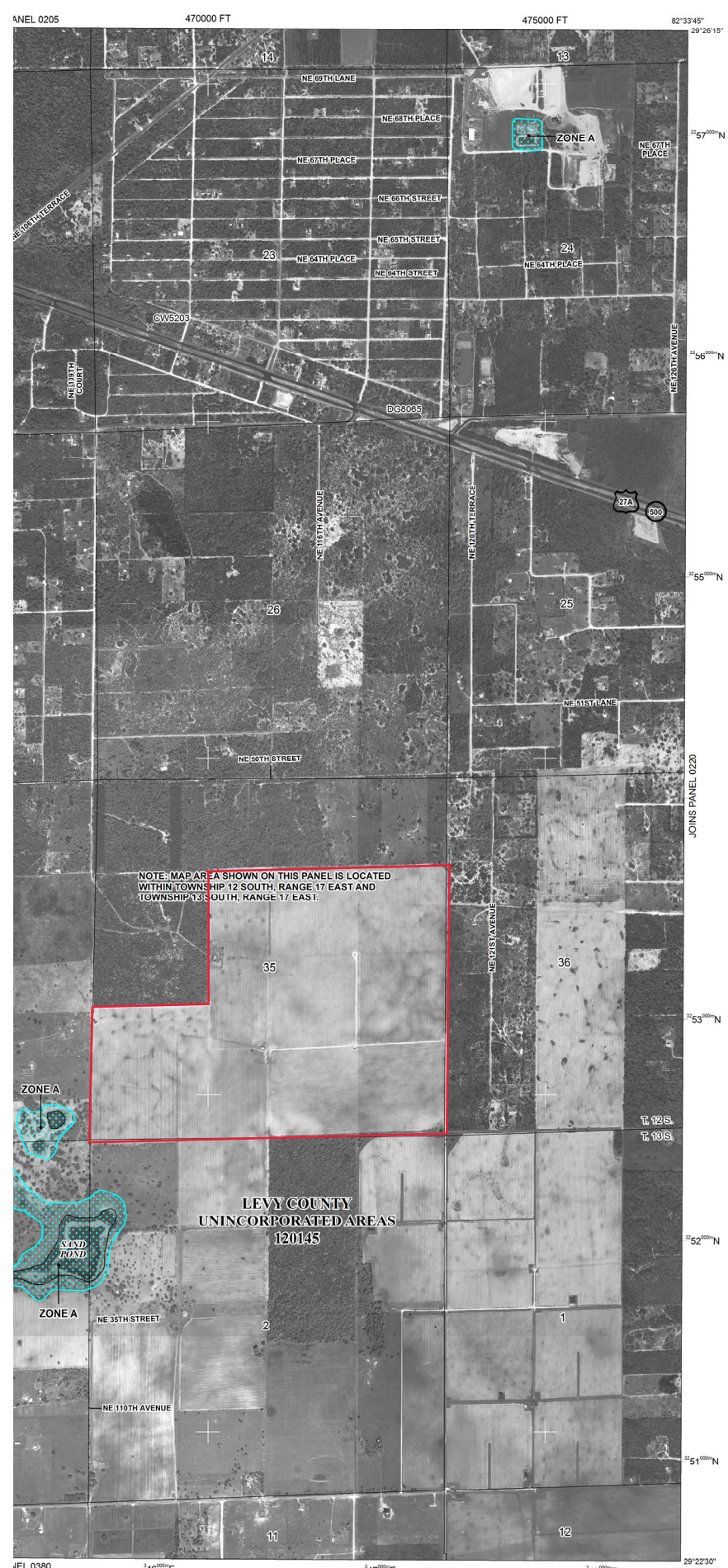
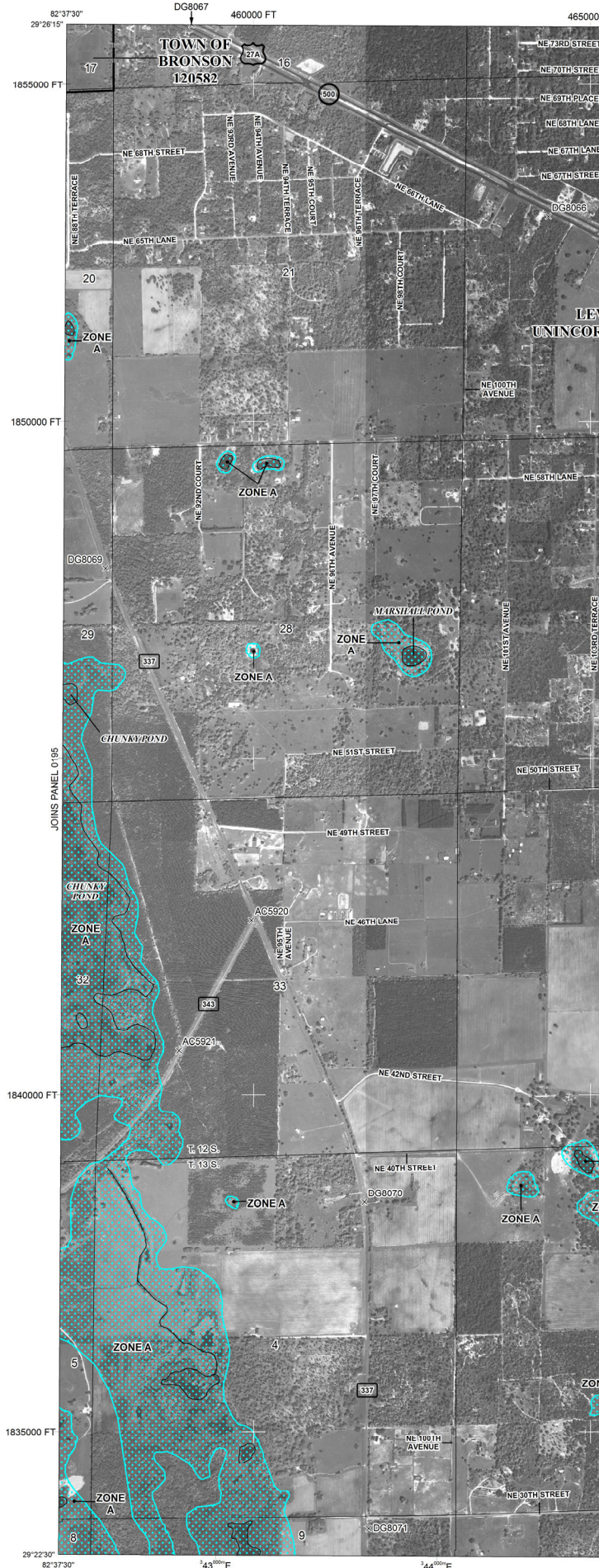
Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also 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**

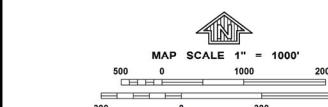


This Flood Insurance Rate Map was developed in cooperation between Federal Emergency Management Agency and Southwest Florida Water Management District and Suwannee River Water Management District.



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS SUBJECT BY THE 1% ANNUAL CHANCE FLOOD
- 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 flow.
- ZONE AR9 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
- Base Flood Elevation line and value; elevation (EL. 987)
- Base Flood Elevation value where uniform in feet
- Cross section line
- Transect line
- Geographic coordinates referenced to the Datum of 1983 (NAD 83), Western Hemisphere 1000-meter Universal Transverse Mercator 17
- 5000-foot grid values: Florida State Plane West zone (FIPS2000E 990), Transverse 17
- Bench mark (see explanation in Notes to FIRM panel)
- 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



**NFIP** PANEL 021

**FIRM**

**FLOOD INSURANCE**

**LEVY COUNTY, FLORIDA AND INCORPORATED**

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

**CONTAINS:**

COMMUNITY	NUMBER
BRONSON	

*APPENDIX D*

*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.

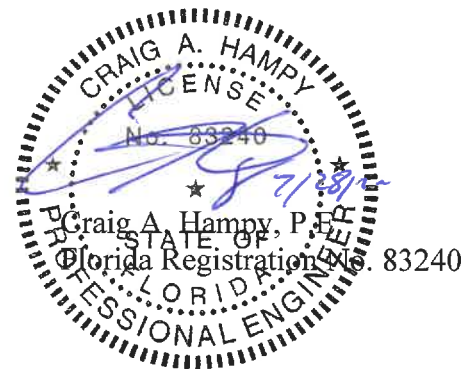
Our findings and evaluations are presented in the following report. Generally accepted soils and foundation engineering practices were employed in the preparation of this report.

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		<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)			
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 : 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	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 : 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					
7					
8					
9					
10		% PASS -200 AT APPROX. 10.0 FEET = 1.9	10.5	1	
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					
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 : 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]							
34			MEDIUM DENSE		8		22	▲ 22
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					
14			14.0		
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					
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 : 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

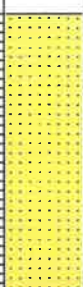

Project No: 22-9204.01.1

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		% PASS -200 AT APPROX. 10.0 FEET = 36			
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 : 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

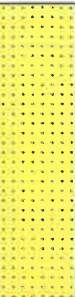

Project No: 22-9204.01.1

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)		1	
2					
3					
4					
5					
6					
7					
8					
9		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)		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)	10.5	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)		2	
8					
9					
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 : 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									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14			MEDIUM DENSE		4		10	▲	10
15									
16									
17									
18									
19									
20			MEDIUM DENSE	20.0	5		20	▲	20
21		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)							
22									
23									
24			MEDIUM DENSE		6		27	▲	27
25									
26									
27									
28									
29		<b>FINE SAND</b> LIGHT GREY FINE SAND (SP)	VERY DENSE	28.5	7		56	▲	56
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 : 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		CLAYEY SAND LIGHT BROWN CLAYEY SAND (SC)	MEDIUM DENSE		8		27	▲ 27		
35										
36										
37										
38										
39					MEDIUM DENSE		9		27	▲ 27
40										
41										
42										
43					DENSE		10		43	▲ 43
44										
45										
46										
47										
48										
49			VERY DENSE		11		56	▲ 56		
50										
51										
52										
53										
54			VERY DENSE		12		59	▲ 59		
55										
56										
57										
58										
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

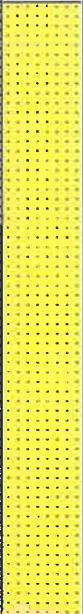

Enclosure: SITE PLAN

**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					
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

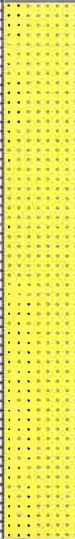


Project No: 22-9204.01.1

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

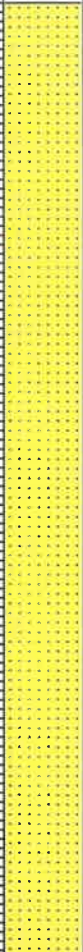


Project No: 22-9204.01.1

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		Ground Surface		0.0				
0 to 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 to 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


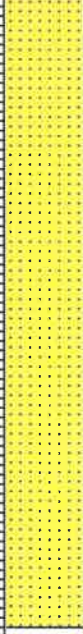

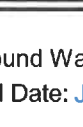
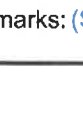

Project No: 22-9204.01.1

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								▲	27									
34																		
35																		
36																		
37																		
38																		
39																		
40																		
41																		
42																		
43																		
44											FINE SAND LIGHT GREY FINE SAND (SP)	VERY DENSE	43.5				▲	55
45																		
46																		
47																		
48																		
49			VERY DENSE					▲	50									
50																		
51																		
52																		
53			VERY DENSE					▲	57									
54																		
55																		
56			VERY DENSE	60.0				▲	76									
57																		
58		End of Borehole						▲										
59																		
60																		
61																		
62																		
63																		
64																		

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
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

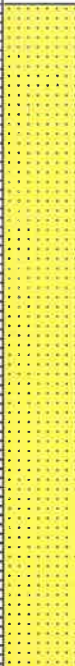

Project No: 22-9204.01.1

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

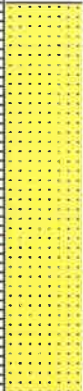

Project No: 22-9204.01.1

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)			
2					
3					
4					
5		% PASS -200 AT APPROX. 5.0 FEET = 1		1	
6					
7					
8					
9					
10			10.5		
11		<b>CLAYEY SAND</b> YELLOWISH BROWN AND GREY CLAYEY SAND (SC)			
12					
13					
14		% PASS -200 AT APPROX. 12.0 FEET = 24		2	
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 : 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

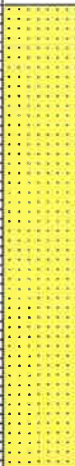

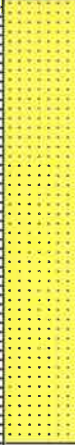
Project No: 22-9204.01.1

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		<b>FINE SAND</b> BROWN TO LIGHT GREY FINE SAND (SP)		1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13		<b>CLAYEY SAND</b> YELLOWISH BROWN CLAYEY SAND (SC)	12.5	2	
14					
15					
16					
17					
18					
19		<b>FINE SAND</b> LIGHT GREY FINE SAND (SP)	18.0	3	
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31		End of Borehole	30.0		
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

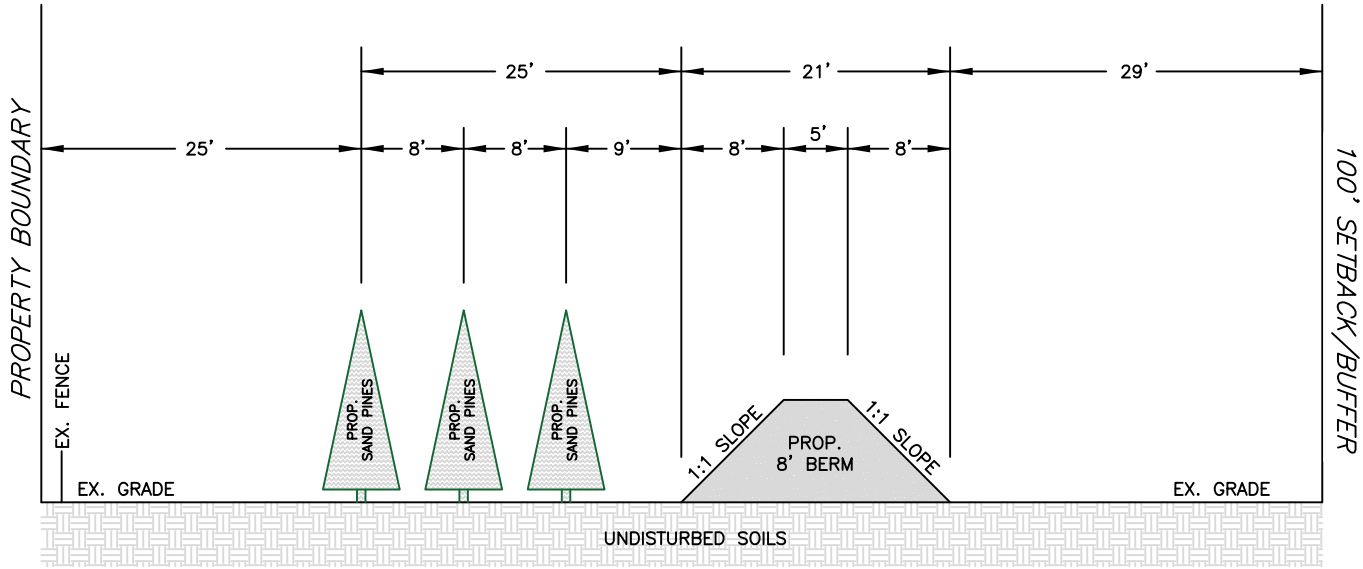
**GEO-TECH, INC.**

■ 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 D*

*PERIMETER BUFFER DETAIL*



SCALE: 1" = 15'

**3RT SAND MINE  
BUFFER DETAIL  
BRONSON, LEVY COUNTY, FLORIDA**

**DNM ENGINEERING & ASSOCIATES, INC.**

P.O. BOX 42  
OCALA, FLORIDA 34478

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

# ENVIRONMENTAL RESOURCE PERMIT FOR 3RT SAND MINE

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

## PROJECT INFORMATION

PERMITTEE: RYAN B. THOMAS, OWNER  
11151 NORTHEAST 35TH STREET  
BRONSON, FLORIDA 32621  
PHONE: (352) 258-9547

ENGINEER: DNM ENGINEERING & ASSOCIATES, INC.  
CONTACT: DOUGLAS A. VANDEURSEN, P.E.  
POST OFFICE BOX 42  
OCALA, FLORIDA 34478  
TELEPHONE: (352) 624-2068  
FAX: (352) 622-6643

GENERAL PURPOSE: TO MINE 400± ACRES OF AGRICULTURAL LAND FOR FINE SAND AND CLAYEY SAND.

## GENERAL NOTES:

1. THIS SET OF PLANS IS NOT TO BE USED FOR ANY PURPOSE UNLESS ALL SHEETS LISTED IN THE INDEX ARE INCLUDED IN THE SET, SECURELY BOUND AND EACH SHEET PROPERLY CERTIFIED.
2. ALL CONSTRUCTION COVERED BY THESE PLANS MUST CONFORM TO THE LATEST MATERIAL AND PROCEDURES REQUIREMENTS AND QUALITY CONTROL STANDARDS REQUIRED BY THE LEVY COUNTY "LAND DEVELOPMENT CODE," AS APPLICABLE.
3. ANY DEVIATION FROM THESE PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE PROFESSIONAL ENGINEER OF RECORD AND, IF APPLICABLE, FROM THE PROPERTY OWNER.
4. THE OWNER/CONTRACTOR FOR THE PROJECT IS HEREBY REQUIRED, AS PART OF THE CONTRACT, TO REVIEW EACH SHEET OF THE SET AND STUDY THEIR CORRELATION PRIOR TO MINING ACTIVITIES. OWNER/CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND ON THESE PLANS.
5. OWNER/CONTRACTOR IS HEREBY REQUIRED TO IMPLEMENT SITE SAFETY AT ALL TIMES PER OSHA.
6. THE OWNER/CONTRACTOR IS HEREBY REQUIRED TO CONTACT ALL PERTINENT UTILITY COMPANIES, FIELD VERIFY THE LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UTILITIES PERTINENT TO THE PROJECT PRIOR TO STARTING CONSTRUCTION.
7. ALL SIGN AND MARKINGS MATERIAL SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SAFETY PRACTICES FOR STREET AND HIGHWAYS AND UTILITY OPERATIONS.
8. THIS PROJECT FALLS WITHIN THE JURISDICTION OF THE FOLLOWING REGULATORY / MUNICIPAL AGENCIES. CONSTRUCTION SHALL COMMENCE ONLY AFTER APPROVAL OF ALL APPLICABLE PERMITS.  
- SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SAND MINE)  
- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (SAND MINE)
9. DNM ENGINEERING & ASSOCIATES, INC. AND ITS EMPLOYEES ARE NOT RESPONSIBLE FOR ON-SITE SAFETY DURING CONSTRUCTION.



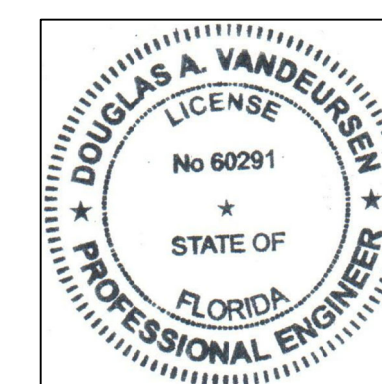
## INDEX OF SHEETS

SHEET	DESCRIPTION
CVR	COVER SHEET
SUR	SURVEY
SM1	PROPERTY OWNERSHIP MAP
SM2	SITE PLAN
SM3	TOPOGRAPHIC MAP
SM4	CROSS SECTIONS
SM5	CROSS SECTIONS
SM6	WELL LOCATION MAP

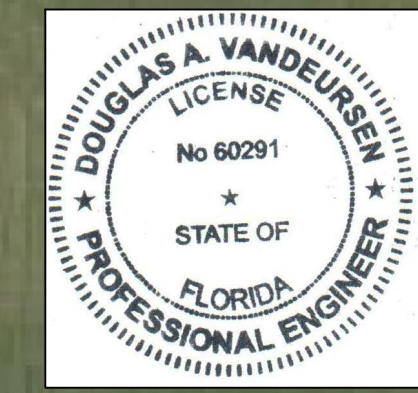
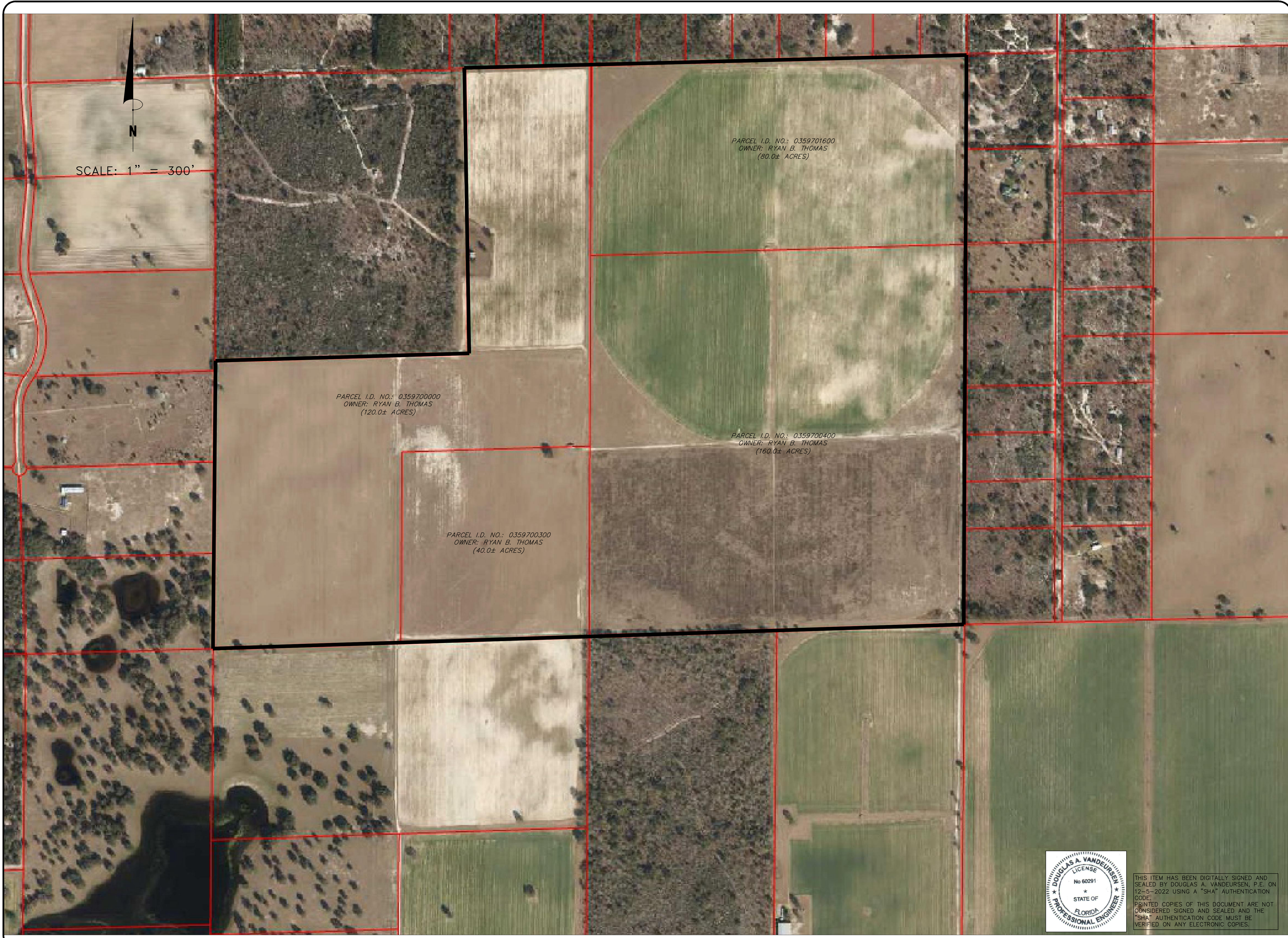
**DNM ENGINEERING & ASSOCIATES, Inc.**

POST OFFICE BOX 42  
OCALA, FLORIDA 34478

(352) 624-2068  
FAX: (352) 622-6643  
CAN: 9724



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DOUGLAS A. VANDEURSEN, P.E. ON 12-5-2022 USING A "SHA" AUTHENTICATION CODE.  
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 P.O. BOX 42  
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 Ocala, Florida 34478  
 FAX (352) 622-6643  
 CAN: 9724

**PROPERTY OWNERSHIP MAP**  
 3RT SAND MINE  
 N.E. 110TH AVENUE  
 BRONSON, LEVY COUNTY, FLORIDA

DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE

Project No. 22-084

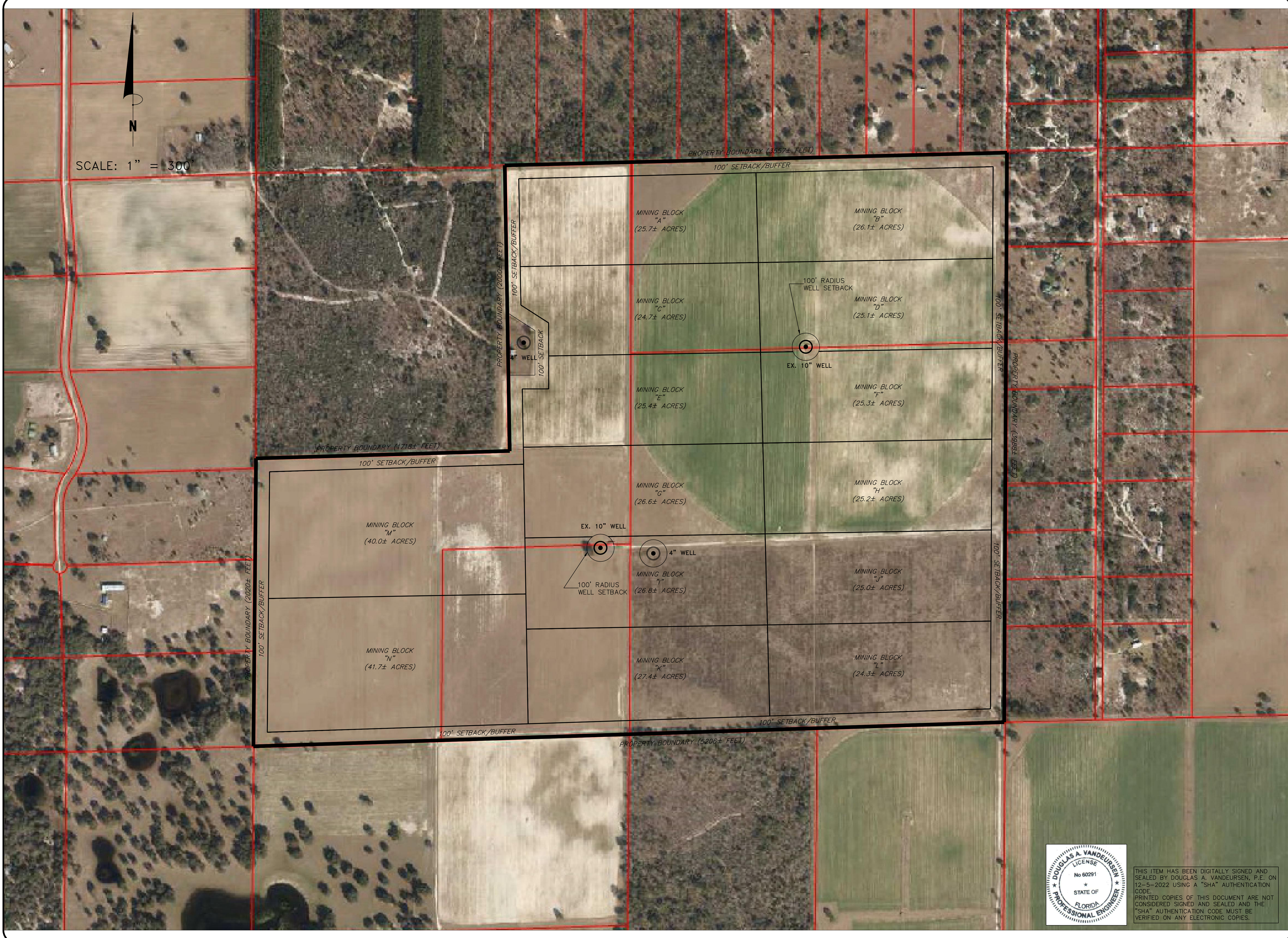
**SM1**

Sheet 3 Of 8





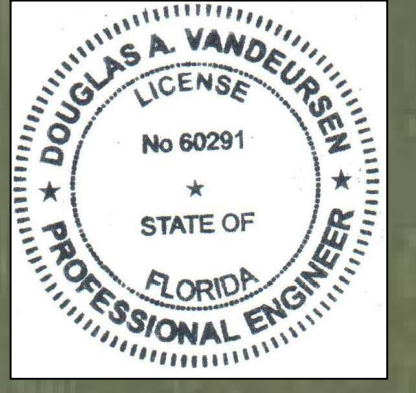
SCALE: 1" = 300'



**DNM ENGINEERING & ASSOCIATES, INC.**  
 P.O. BOX 42  
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 OCALA, FLORIDA 34478  
 FAX (352) 622-6643  
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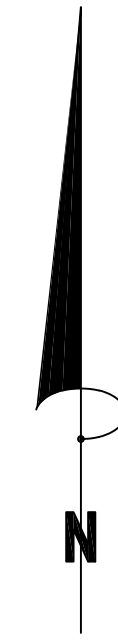
**SITE PLAN**  
**3RT SAND MINE**  
**N.E. 110TH AVENUE**  
**BRONSON, LEVY COUNTY, FLORIDA**

DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE



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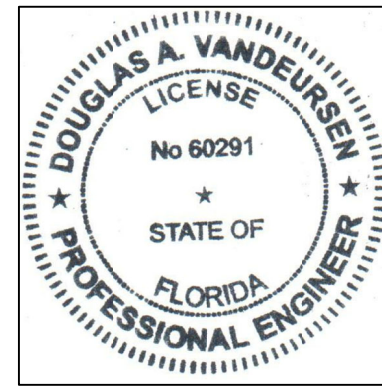
Project No. 22-084



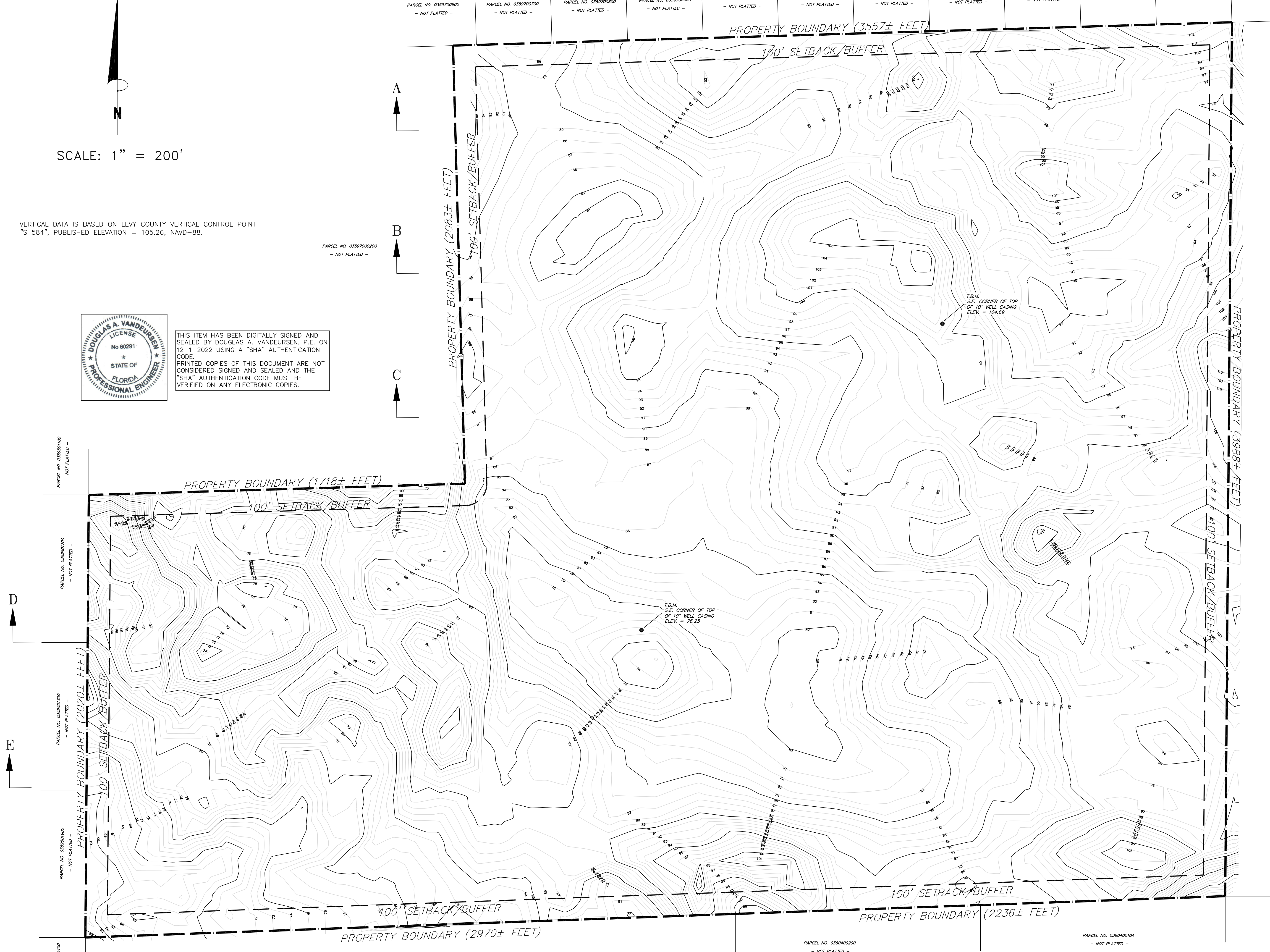
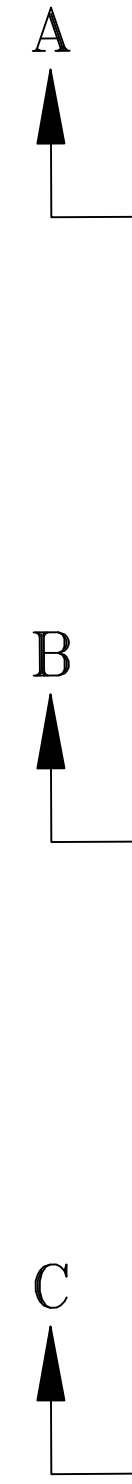
SCALE: 1" = 200'

VERTICAL DATA IS BASED ON LEVY COUNTY VERTICAL CONTROL POINT "S 584", PUBLISHED ELEVATION = 105.26, NAVD-88.

PARCEL NO. 0359700200  
- NOT PLATTED -



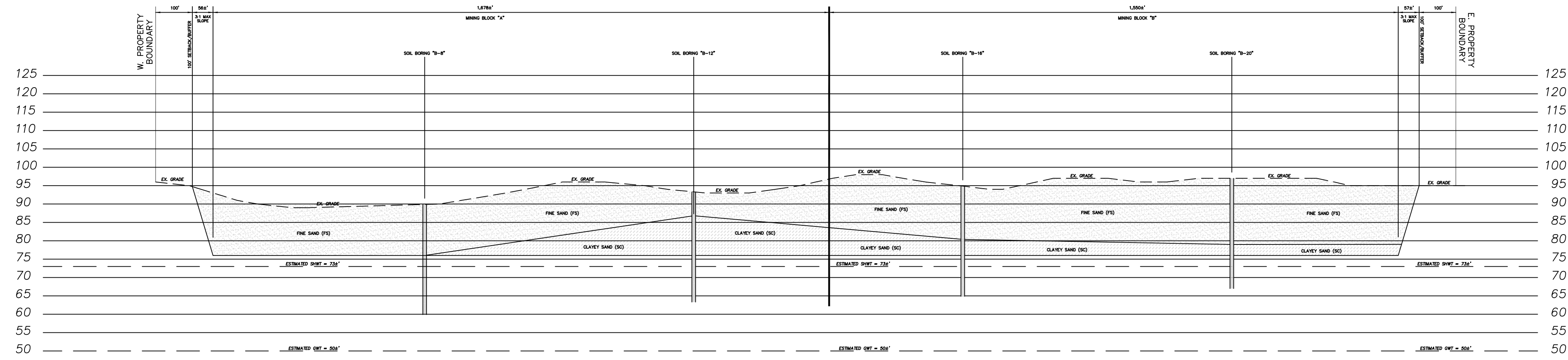
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OCALA, FLORIDA 34478  
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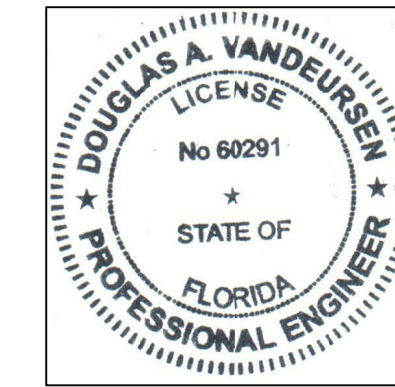
**TOPOGRAPHY MAP**  
3RT SAND MINE  
N.E. 110TH AVENUE  
BRONSON, LEVY COUNTY, FLORIDA

DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE
DAV	DAV	01 DEC 22	REVISED PER SWFMD COMMENTS

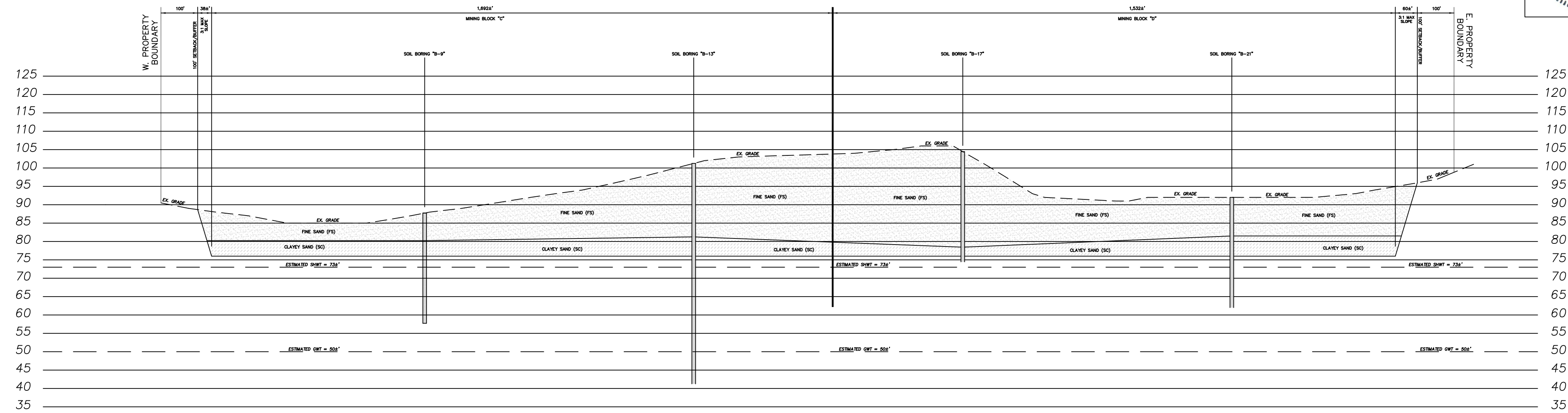


**CROSS SECTION "A - A"**

HORIZONTAL SCALE: 1" = 200 FEET  
 VERTICAL SCALE: 1" = 20 FEET

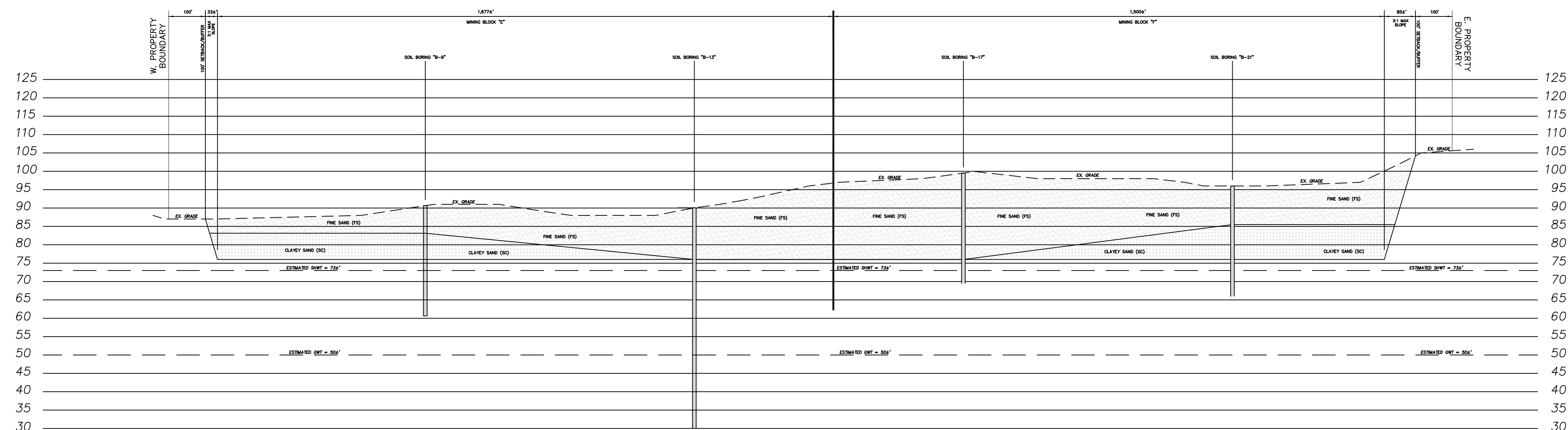


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**CROSS SECTION "B - B"**

HORIZONTAL SCALE: 1" = 200 FEET  
 VERTICAL SCALE: 1" = 20 FEET



**CROSS SECTION "C - C"**

HORIZONTAL SCALE: 1" = 200 FEET  
 VERTICAL SCALE: 1" = 20 FEET

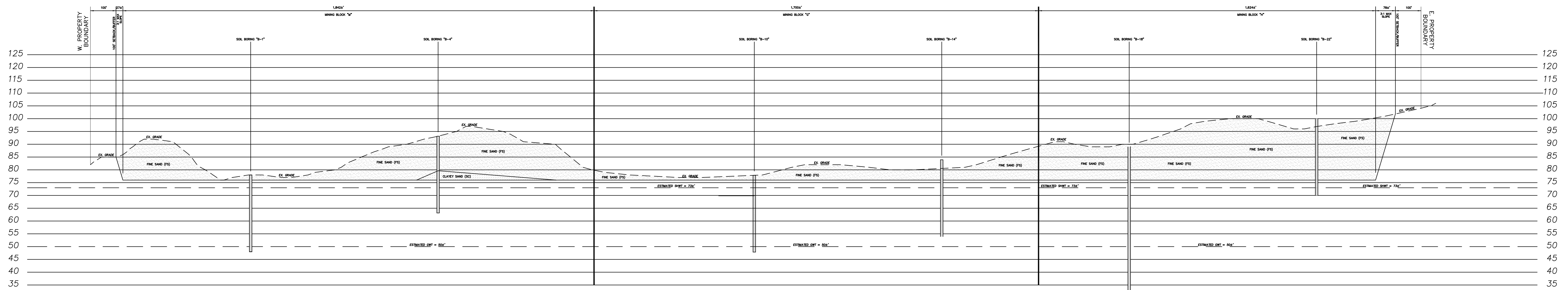
**DNM ENGINEERING & ASSOCIATES, INC.**  
 P.O. BOX 42  
 OCALA, FLORIDA 34478  
 (352) 624-2068  
 FAX (352) 622-6643  
 CAN: 9724

**CROSS SECTIONS**  
**3RT SAND MINE**  
**N.E. 110TH AVENUE**  
**BRONSON, LEVY COUNTY, FLORIDA**

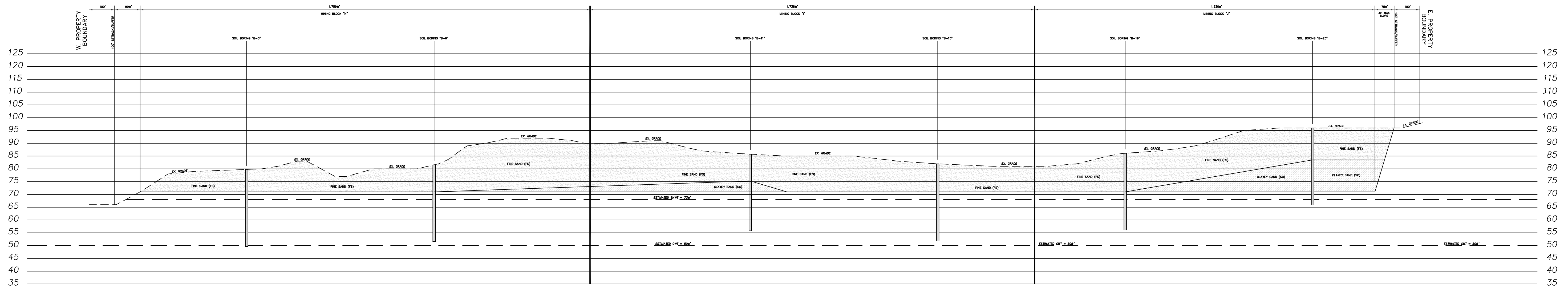
DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE
DAV	DAV	05 DEC 22	REVISED PER SURVEY

Project No. 22-084

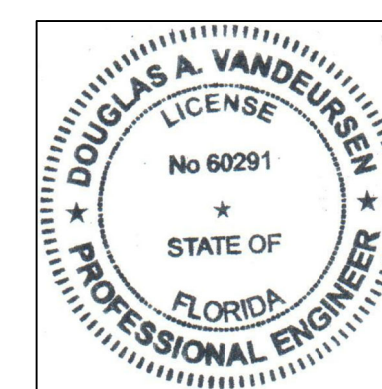




**CROSS SECTION "D - D"**  
 HORIZONTAL SCALE: 1" = 200 FEET  
 VERTICAL SCALE: 1" = 20 FEET



**CROSS SECTION "E - E"**  
 HORIZONTAL SCALE: 1" = 200 FEET  
 VERTICAL SCALE: 1" = 20 FEET



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**DNM ENGINEERING & ASSOCIATES, INC.**  
 P.O. BOX 42  
 (352) 624-2068  
 Ocala, Florida 34478  
 FAX (352) 622-6643  
 CAN: 9724

**CROSS SECTIONS**  
**3RT SAND MINE**  
**N.E. 110TH AVENUE**  
**BRONSON, LEVY COUNTY, FLORIDA**

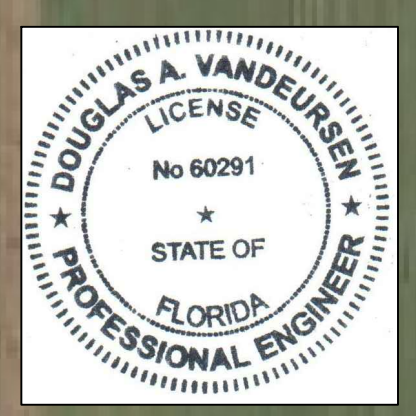
DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE
DAV	DAV	05 DEC 22	REVISED PER SURVEY

Project No. 22-084

**SM5**



SCALE: 1" = 300'



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**DNM ENGINEERING & ASSOCIATES, INC.**  
P.O. BOX 42  
(352) 624-2068  
OCALA, FLORIDA 34478  
FAX (352) 622-6643  
CAN: 9724

**WELL LOCATION MAP**  
**3RT SAND MINE**  
**N.E. 110TH AVENUE**  
**BRONSON, LEVY COUNTY, FLORIDA**

DRN	CHK	DATE	DESCRIPTION
DAV	DAV	13 SEP 22	ORIGINAL ISSUE

Project No. 22-084

**SM6**

LEVY COUNTY DEVELOPMENT DEPARTMENT

EXCAVATION AND FILL PERMIT APPLICATION

This application is to be submitted with the application for a Special Exception Use Permit for Major Mining as required by Levy County Code of Ordinances, Chapter 50, Land Development Code; Article XIII, Zoning; Division 3. District Regulations; Subdivision 2. Requirements for Specific Uses; Section 50-719. II (d).

Excavation and Fill Permit - means the permit required prior to any excavation, fill or extraction of minerals, resources, or natural resources pursuant to Section 50-719.

Filing Date: \_\_\_\_\_ Ex. & Fill Application Number: \_\_\_\_\_

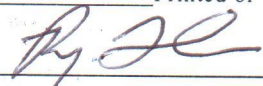
Impact Fee Paid: \_\_\_\_\_ Approved Special Exception No. \_\_\_\_\_

Amount of Surety or Performance Bond: \$ \_\_\_\_\_

Note: The Impact Fee and Surety Bond are not required at the time of the submittal of an application for the review of the Special Exception for the proposed Major Mining operation. The Fee and Bond shall be provided with the request for the Excavation and Fill permit after the Special Exception is approved and all required state and federal permits have been provided.

**I. Property Owner/Agent Information:**

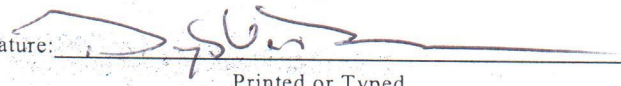
Owner's Name: Ryan Thomas & Lee A. Thomas  
\_\_\_\_\_  
Printed or Typed

Owner's Signature:   
\_\_\_\_\_

Address: 11151 N.E. 35th Street Zip Code: 32621  
Bronson, Florida

Phone # (352) 258-9547

\*\*\*\*\*  
Agent's Name: DOUGLAS VANDEURSEN, P.E.  
\_\_\_\_\_  
Printed or Typed

Agent's Signature:   
\_\_\_\_\_

Address: P.O. Box 42 Zip Code: 34478  
Ocala, FL 34478

Phone # 352-624-2068

LEVY COUNTY DEVELOPMENT DEPARTMENT  
EXCAVATION AND FILL PERMIT APPLICATION

This application is to be submitted with the application for a Special Exception Use Permit for Major Mining as required by Levy County Code of Ordinances, Chapter 50, Land Development Code; Article XIII, Zoning; Division 3. District Regulations; Subdivision 2. Requirements for Specific Uses; Section 50-719. II (d).

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Filing Date: \_\_\_\_\_ Ex. & Fill Application Number: \_\_\_\_\_

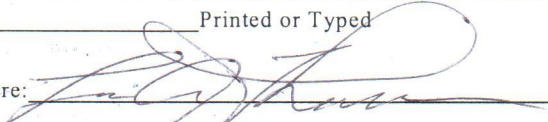
Impact Fee Paid: \_\_\_\_\_ Approved Special Exception No: \_\_\_\_\_

Amount of Surety or Performance Bond: \$ \_\_\_\_\_

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**I. Property Owner/Agent Information:**

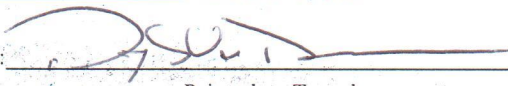
Owner's Name: Ryan Thomas & Lee A. Thomas  
\_\_\_\_\_ Printed or Typed

Owner's Signature:  \_\_\_\_\_

Address: 11151 N.E. 35th Street Zip Code: 32621  
Bronson, Florida \_\_\_\_\_

Phone # (352) 258-9547

\*\*\*\*\*  
Agent's Name: DOUGLAS VANDEURSEN, P.E.  
\_\_\_\_\_ Printed or Typed

Agent's Signature:  \_\_\_\_\_  
Printed or Typed

Address: P.O. Box 42 Zip Code: 34478  
Ocala, FL \_\_\_\_\_

Phone # (352) 624-2068

## II. Property Information:

1. Parcel Identification    1) 0359701600                      2) 0359700400                      3) 0359700000                      4) 0359700300

2. Section    35                      ;                      Township    12                      South;                      Range    17                      East;

3. Total Surface Area to be Altered Under This Permit:    400+/-                      Acres

4. Future Land Use Designation:    A/RR                      Zoning District:    A/RR

### \* Attach additional property information as necessary (STRS; Parcel ID Numbers)

Please see ATTACHMENT "A" For Ingress/Egress Properties

## III. REQUIRED ATTACHMENTS:

1. If you are the current property owner, attach a notarized letter of authorization from the owner of the property, corporation or other entity having received approval of the Special Exception Use Permit for Major Mining, authorizing you to act as the owner's agent to apply for the excavation and fill permit.
2. Provide three certified boundary surveys of the tract or parcel that is the subject of any land alterations. Please delineate the mining area if only a portion of the property is to be altered, excavated or filled. Provide the area of the mining area on the survey (in acres, to the tenth).
3. Provide three copies of all required state and federal permits needed for the excavation and/or fill operations. (mining, processing, crushing and washing, sizing, settling ponds, etc.)

These permit approvals may include, but are not limited to the following: an environmental resource permit, general works of the district permit, water consumptive use permit or a permit to develop a stormwater management system from the affected state water management district; permits or letter of sufficiency from the Department of Environmental Protection, Bureau of Mine Reclamation; Army Corps of Engineers; air quality permit from the Environmental Protection Agency, clearance from the Florida Wildlife Conservation Commission or US Fish and Wildlife Commission for the protection of endangered species.

4. Provide the surety or performance bond in the amount required by Section 50-719. II. (D)(14).
5. Provide three maps of the hauling route to be used to haul materials to or from the approved site (must be consistent with the special exception application).

## IV. Site Plan [Consistent with Section 50-719. III. (b)(2) and approved Special Exception]:

A **site plan** shall be furnished depicting the following:  shape and dimensions of the entire property and delineation of the project area (if a portion of the entire tract),  identify all existing and proposed buildings;  dimensions of buildings and distances of all buildings to property lines,  all streets and easements abutting property,  indicate with a dashed line any water, depressions and sinkholes,  show any storm water management systems and/or water retention areas,  locate and delineate the proposed area to be excavated or filled and identify approximate acreage delineated,  locate and delineate all areas to be used for stock-piles, slurry or settlement ponds, crushing or other processing operations,  show the location of any screening and buffering to be provided.



**V. Description of Work:**

**A description of the work to be performed (excavation, fill or both) shall be provided with the site plan and permit application giving the following information [Section 50-719. III (b)(4)]:**

1. Purpose of the excavation or fill operation.
2. Schedule of expected duration of the operation.
3. Provide a schedule of operating hours.
4. Type of fill to be placed (if applicable).
5. Depth of the excavation or the fill placed.
6. The grade of side slopes associated with an excavation or fill operation. (when applicable)
7. Description of screening, buffering or berms to be utilized.
8. Provide an estimate of truck traffic to be generated by excavation or fill operation.

**APPLICATION REVIEW :**

**The review of the application will be based on the approved special exception application, conditions of approval of the special exception use, if any, and all supporting documents. (Must be consistent with the approval Special Exception Use application)**

**The Levy County staff responsible for review of the Excavation and Fill Permit applications finds the submitted application be:**

- Consistent with Section 50-719 and the approved special exception application.**
- Inconsistent with Section 50-719 and the approved special exception application.**
- Absent all necessary permits or approvals from all affected agencies.**

**Development Director** \_\_\_\_\_ **Date:** \_\_\_\_\_

**County Engineer** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Staff comments, conditions of approval, or deficiencies noted:**

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