



HUNTER'S MANOR
100% GOPHER TORTOISE (*Gopherus polyphemus*) BURROW SURVEY
October 27, 2021

INTRODUCTION

The subject property is a 9.08-acre site located at the northeast corner of the intersection of NW 6th Street and NW 19th Avenue, Pompano Beach, Broward County, Florida (parcel ID numbers 484234440010 and 484234440020). Please see the included Location Map.

METHODOLOGY

On April 21st, 2021, an Authorized Gopher Tortoise Agent (AGTA) from WGI, Inc. (WGI) Environmental Division visited the above referenced site to perform a site review for the presence of gopher tortoises or their burrows. The gopher tortoise is listed as a Threatened Species in the State of Florida, and therefore, protected under regulations set forth in the Wildlife Code of the State of Florida, Chapter 39 FAC, Rule 39-4.001 and 39-25.002, as well as 39-27. WGI biologists used the following methodology to review the site for the presence of gopher tortoises. WGI biologists walked the site in a serpentine search pattern covering all on-site suitable gopher tortoise habitat within the entire survey area. Burrows were categorized as potentially occupied or abandoned. All burrow locations were marked on an aerial photograph of the site and GPS located. This survey methodology is the protocol as recommended in Ecology and Habitat Protection Needs of Gopher Tortoise Populations Found on Lands Slated for Large-scale Development in Florida; Non-game Wildlife Program, Technical Report #5, Florida Game and Fresh Water Fish Commission (FGFWFC) Tallahassee, December 1987 (biologically sound methodology, Per. FGFWFC guidelines) and Gopher Tortoise Permitting Guidelines, Florida Fish and Wildlife Conservation Commission, January 2017.

Note: As of July 1999, the FGFWFC was reorganized and is now the Florida Fish and Wildlife Conservation Commission (FFWCC).

The following are the results of the WGI Gopher Tortoise survey.

SITE DESCRIPTION

The topography of the property is relatively flat. The site has previously been cleared and is regularly mowed. There is no natural habitat on the site but the open terrain with low growing vegetation could potentially support gopher tortoises or burrowing owls. In some areas ground cover is low, near 10-30% and in other areas it is higher, near 50-75%.

UPLAND ECOSYSTEM

The following is the Florida Land Use Covers and Forms Classification System (Florida Department of Transportation, 1985) designation number, description with approximate acreages and vegetation list of upland habitats located on the subject property.

The Florida Land Use Covers and Forms Classification System (FLUCCS) acreages and FLUCCS map community location are approximate. See the FLUCCS Map, for reference.

Upland FLUCCS Designations

740 – Disturbed Area (approx. 9.08 acres)

This community consists of sites that have been disturbed by anthropogenic activities and do not maintain natural conditions.

<u>Common Name</u>	<u>Scientific Name</u>	<u>Designation</u>
Sabal palm	<i>Sabal palmetto</i>	Native
Slash pine	<i>Pinus elliottii</i>	Native
Strangler fig	<i>Ficus aurea</i>	Native
Prickly pear cactus	<i>Opuntia humifusa</i>	Native
Sand spur	<i>Cenchrus echinatus</i>	Native
Bahia grass	<i>Paspalum notatum</i>	Non-native
Black olive	<i>Bucida buceras</i>	Non-native
Mango	<i>Mangifera indica</i>	Non-native
Indian laurel fig	<i>Ficus microcarpa</i>	Non-native
Weeping fig	<i>Ficus benjamina</i>	Non-native
Albizia	<i>Albizia lebbek</i>	Non-native

SOILS

Immokalee fine sand, 0 to 2% slopes and Immokalee-Urban land complex are the historic soils found throughout the subject property according to the Broward County Soil Survey from 1979. Please see attached Soil Survey.

RESULTS

WGI biologist who is an authorized gopher tortoise agent conducted a gopher tortoise survey on the site using biologically sound methodology as provided by FFWCC. No gopher tortoises, burrows, or signs of their presence were observed on the property. No burrowing owls, burrows, or signs of their presence were observed on the property.

No other listed species, plant or animal, were observed. Given the urban surroundings and disturbed condition of the subject property, it is unlikely that any listed species is using the land.



PZ21-1200010

9/06/2022



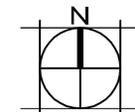
Source: Google Earth

HUNTER'S MANOR

PREPARED FOR DR HORTON

LOCATION MAP

2035 VISTA PARKWAY • WEST PALM BEACH, FLORIDA 33411 • P : (561) 687-2220 • F : (561) 687-1110



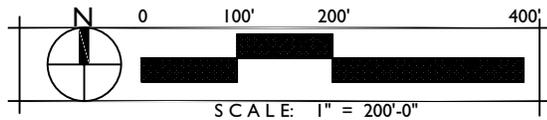
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DRAWING #:	5578.00_EV-MAPS.dwg
FILE #:	578.00
DATE:	1/27/2021

AAC

PZ21-12000010



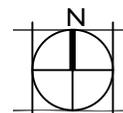
FLUCCS CODE
740 - Disturbed Land - 9.08 ac.

Source: *FDOT Aerials GIS*

HUNTER'S MANOR

PREPARED FOR DR HORTON

FLUCCS MAP

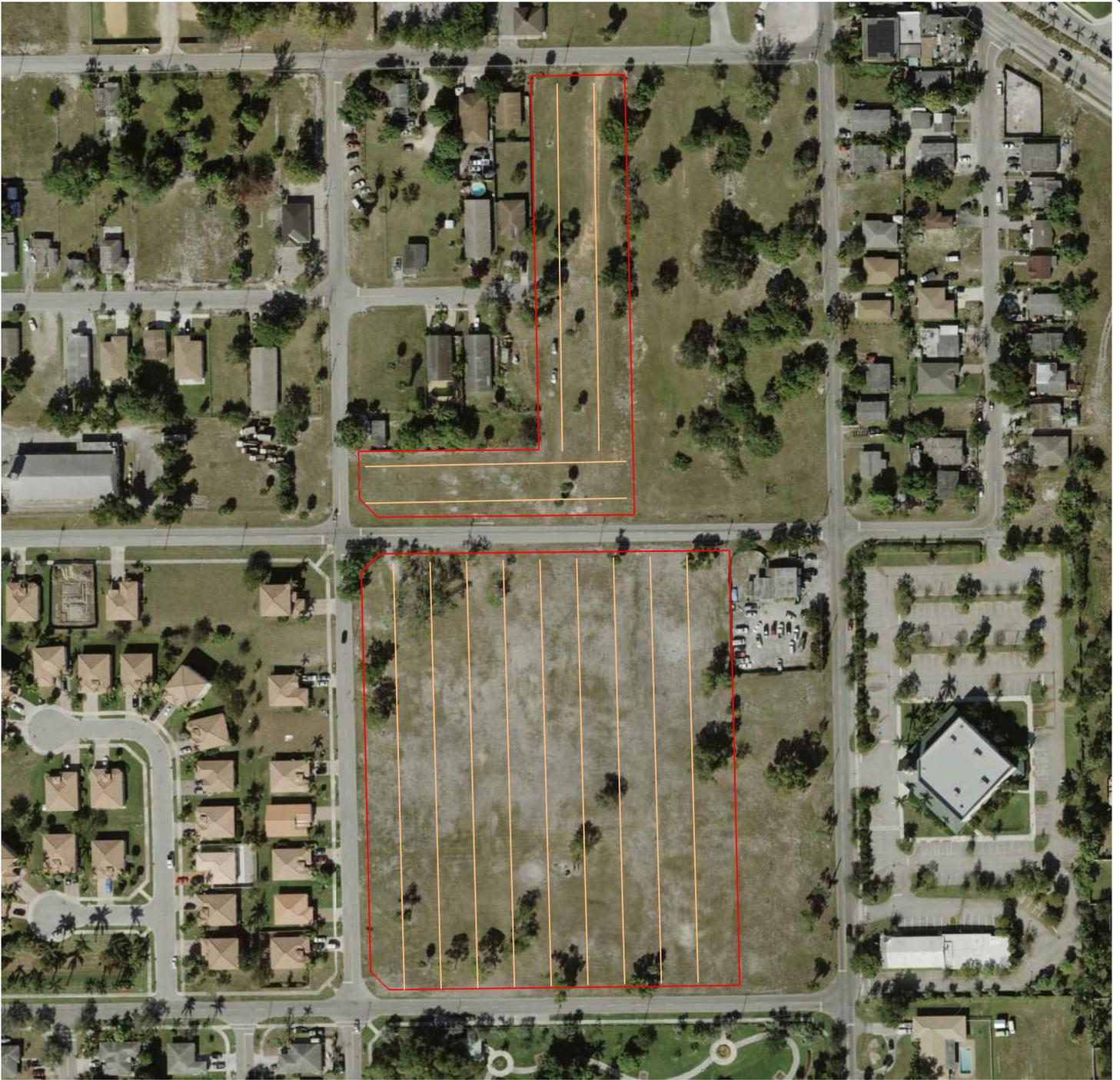


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DRAWN BY: RNF
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AAC

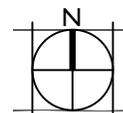


— = Transects
No GT Burrows found
 *Survey performed April 21, 2021
 by an Authorized Gopher Tortoise
 Agent

Source: FDOT Aerials GIS

HUNTER'S MANOR
 PREPARED FOR DR HORTON
GT TRANSECT MAP

2035 VISTA PARKWAY, WEST PALM BEACH, FLORIDA 33411 P: (561) 687-2220 F: (561) 687-1110



SCALE: 1" = 200'0"

DRAWN BY: RHF
 DRAWING #: 55700-17-MA-14
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 DATE: 10/27/2021



AAC

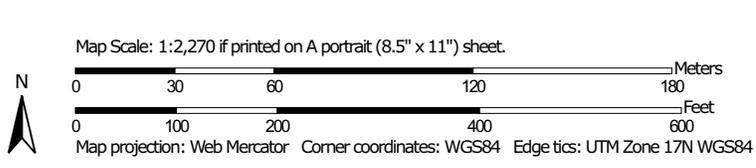
PZ21-12000010

9/06/2022

Soil Map—Broward County, Florida, East Part



Soil Map may not be valid at this scale.



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

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

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

-  Streams and Canals

Transportation

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

Background

-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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: Broward County, Florida, East Part
 Survey Area Data: Version 17, Aug 25, 2021

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

Date(s) aerial images were photographed: Jan 7, 2020—Mar 26, 2020

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
15	Immokalee fine sand, 0 to 2 percent slopes	7.3	76.4%
17	Immokalee-Urban land complex	2.3	23.6%
Totals for Area of Interest		9.6	100.0%



Authorized Gopher Tortoise Agent
 FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
 Division of Habitat and Species Conservation
 Wildlife Diversity Conservation Section
 620 South Meridian Street, Mail Station 2A
 Tallahassee, Florida 32399-1600
 (850) 921-1031

Permittee Name: Rick Harman
 Permittee Address: WGI
 2035 Vista Parkway
 WEST PALM BEACH, FLORIDA 33411
 UNITED STATES

Permit Number: GTA-09-00140F
 Effective Date: **May 21, 2021**
 Expiration Date: **August 6, 2025**

IS AUTHORIZED TO:

1. Conduct gopher tortoise surveys
2. Capture gopher tortoises using hand shovel excavation of gopher tortoise burrows
3. Mark, transport, and release captured gopher tortoises at recipient sites
4. Supervise backhoe excavation of gopher tortoise burrows to capture gopher tortoises

Permittee Signature:  Date: 5/21/2021

Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. **Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.**

Authorized By: Eric Seckinger Authorized for: Eric Sutton, Executive Director

Authorizing Signature:  Date: 05/21/2021
 Wildlife Diversity Conservation Section

Is Authorized To (Continued)

This permit is in effect an amendment and supersedes all previous versions. All other amended conditions and provisions of the previous permit (changed or new items) are indicated in bold text.

PERMIT CONDITIONS AND PROVISIONS:

- 1 Authorization to conduct the specified activities in association with the relocation of gopher tortoises in Florida is subject to Rules 68A-9.002 and 68A-27, Florida Administrative Code (F.A.C.), the Gopher Tortoise Permitting Guidelines (April 2008 – revised July 2020) [hereafter, the "Permitting Guidelines"], and subsequent revisions of these guidelines that are in effect at the time the authorized activities are conducted, and subject to the following provisions/conditions.
- 2 Authorized activities are also predicated and conditioned on the information and assurances provided in the Permittee's **05/10/2021 application (as supplemented)**, the assurances of which are herein incorporated by reference.
- 3 The Permittee shall only take, attempt to take, pursue, hunt, harass, capture, possess, or transport gopher tortoises, or molest, damage or destroy any gopher tortoise burrows when such activity is authorized by a separate permit (e.g., Conservation, 10 or Fewer Burrows, Temporary Exclusion, Recipient Site, Scientific Collecting) issued by the FWC for a specified property that authorizes the Permittee to capture and possess gopher tortoises from or within that property.
- 4 Gopher tortoise burrow surveys must be conducted in accordance with the Permitting Guidelines, or as amended. Surveys must be conducted no more than 90 days prior to submitting a relocation application.
- 5 Tortoises shall only be relocated when the low temperature at the recipient site is forecasted by the National Weather Service to be above 50° Fahrenheit for three consecutive days after release (including the day of relocation). This three-day window of milder overnight temperatures is required to allow the relocated tortoises to settle into the recipient site and to reduce the chance of cold-related stress or mortality.
- 6 Captured gopher tortoises that show signs of disease (i.e., nasal and ocular discharge, emaciation, etc.) shall not be relocated off-site to the authorized recipient site **and must be reported to the Gopher Tortoise Program**

(by phone 850-921-1031 or by email to GTPermits@MyFWC.com) within 48 hours of capture . At the Permittee's discretion, symptomatic tortoises may be: relocated on-site; transported to and quarantined at a FWC-licensed wildlife rehabilitation center (list available upon request) or licensed veterinary facility for treatment and subsequent relocation of recovered, non-symptomatic gopher tortoises along with others from the population; transported and donated to a FWC-permitted disease research program; or humanely euthanized by a licensed veterinarian when disease is advanced.

- 7 Gopher tortoises released at a recipient site shall be released into an enclosure in conformance with the FWC enclosure requirements specified in the Permitting Guidelines, or as amended. Gopher tortoises should be released near existing abandoned burrows or excavated starter burrows at the recipient site.
- 8 Marking of gopher tortoises must be done for all permits except for 10 or Fewer Burrows permits with on-site relocation. All tortoises must be marked with marginal scutes of tortoises ≥ 130 mm carapace length (CL) drilled or notched, and marginal scutes of juveniles < 130 mm CL notched. Passive Integrated Transponder (PIT) tags may be used as an alternative to drilling or notching the marginal scutes.
- 9 During transport, gopher tortoises must be held in shaded conditions and in individual containers large enough to allow the tortoise to turn around. Tortoises must not be held more than 72 hours after capture unless otherwise authorized by FWC permit.
- 10 Supervised backhoe excavation of gopher tortoise burrows shall only take place with at least two people present at each burrow. A backhoe operator and a person on the ground at the burrow is required at all times during backhoe excavation. Backhoes must be equipped with a flat blade on the bucket for digging. Excavation of a burrow should not be started unless it can be fully excavated in the same day. Burrow excavation is not complete until the burrow terminus is reached and all side chambers are found and completely excavated.
- 11 This permit does not authorize Permittee access to any public or private properties. Permission to access the property must be secured from the appropriate landholders prior to undertaking any work on such properties.
- 12 This permit is non-transferable and must be readily available for inspection at all times while engaging in the permitted activities. This permit can be suspended, revoked or not renewed for just cause pursuant to 68-1.010, Florida Administrative Code and Chapter 120, Florida Statutes. Criteria for suspension, revocation, or non-renewal of authorized agent permits and registered agents can be found in the Permitting Guidelines, or as amended.
- 13 The activities authorized under this Permit must be carried out by the Permittee or the Assistant(s) that are designated by the Permittee. The Permittee shall revise its list of designated Assistants utilizing the FWC online permitting system prior to that Assistant conducting any gopher tortoise activities authorized under this permit. The FWC reserves the right to deny a Permittee's designation of an individual as its Assistant if rights of the individual to obtain gopher tortoise permits have been suspended or revoked. All activities conducted by Assistants must be under the supervision and responsibility of the Permittee. Assistants must be directly supervised on-site by the Permittee when the Assistant(s) are collecting gopher tortoise blood samples or during backhoe excavation of gopher tortoise burrows. The Permittee shall be as fully responsible for activities conducted by Assistants and contracted backhoe operators to the same extent as if they had themselves carried out those activities under this Permit.
- 14 The Permittee and its Assistant(s) must carry with them either this original permit, or a complete copy, while engaged in the permitted gopher tortoise activities. The Assistant(s) must also be in possession of a copy of the letter of designation from the Permittee.
- 15 The Permittee, by signing this permit, specifically agrees to allow authorized Commission personnel, upon presentation of credentials as may be required by law, access to sites to inspect the activities authorized under this permit.
- 16 A request for permit renewal or extension should be submitted at least 45 days prior to the expiration date of this permit.

A person whose substantial interests are affected by FWC's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. A person seeking a hearing on FWC's action shall file a petition for hearing with the agency within 21 days of receipt of written notice of the decision. The petition must contain the information and otherwise comply with section 120.569, Florida Statutes, and the uniform rules of the Florida Division of Administration, chapter 28-106, Florida Administrative Code. If the FWC receives a petition, FWC will notify the Permittee. The attached Explanation of Rights statement provides additional information as to the rights of parties whose substantial interests are or may be affected by this action.