

ENVIRONMENTAL RISK MANAGEMENT, INC.

Licensed Engineering and Geology Firm • Assessment & Remediation Consultants

ENGINEER LETTER OF CERTIFICATION

January 16, 2008

DERM Main Building
701 N. W. 1st Court, 6th Floor
Miami, FL 33136

RE: Class IV Short Form Permit Application Number FW06-007, by Chosica Ranch Corporation for the after-the fact approval to impact 30-acres of freshwater wetlands located at, near or in the vicinity of S.W. 136th Street and S.W. 207th Avenue, Section 15, Township 55 South, Range 38 East, Miami-Dade County, Florida; Folio No. 30-5815-000-0800.

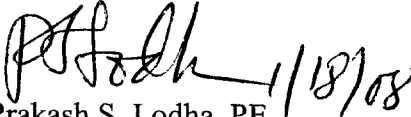
This letter will certify that I am an engineer registered in the State of Florida, qualified by education and experience in the area of construction, and that to the best of my knowledge and belief, the proposed work does not violate any laws of the State of Florida or any provision of the Code of Miami Dade County which may be applicable, that diligence and recognized standard practices of the engineering profession have been exercised in the engineer's design process for the proposed work, and in my opinion based upon my knowledge and belief, the following will not occur:

- a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.
- b. Harmful or increased erosion, shoaling of channels or stagnant areas of water. (Not applicable to Class IV permits)
- c. Material injury to adjacent property.
- d. Adverse environmental impacts from changes in water quality or quantity. (Applicable to Class IV permits only)

Further, I have been retained by the applicant to provide inspections throughout the construction period and shall prepare a set of reproducible record prints of drawings showing changes made during the construction process based upon the marked-up prints, drawings, and other data furnished by the contractor to me.

Sincerely,

ENVIRONMENTAL RISK MANAGEMENT, INC.


Prakash S. Lodha, PE
Licensed Professional Engineer
State of Florida, License Number 43510

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Biological Report (UMAM)

PROJECT/ACTIVITY DESCRIPTION:

Class IV Short Form Permit Application Number FW06-007, by Chosica Ranch Corporation for the after-the-fact approval to impact freshwater wetlands located at, near or in the vicinity of S.W. 136th Street and S.W. 207th Avenue, Section 15, Township 55 South, Range 38 East, Miami-Dade County, Florida; Folio No. 30-5815-000-0800.

DESCRIPTION OF GENERAL PROJECT/ACTIVITY AREA:

The subject property consists of approximately 4.12 acres. The subject property is located on the northeast corner of SW 207th Avenue and SW 136th Street in Miami-Dade County, Florida and is not within an area of Fill Encroachment Requirements. The surrounding area is both undeveloped and developed with agricultural and residential land uses. The undeveloped property adjacent west was observed to consist of a 643 Wet Prairie system.

BIOPHYSICAL CHARACTERISTICS OF THE SPECIFIC PROJECT/ACTIVITY SITE:

The subject property was observed to have been previously impacted. This evaluation is based on the site visit, neighboring ecosystem analysis and historical research. It is believed that the entire parcel would have previously been classified as a 643 Wet Prairie system. Ultimately, approximately 0.35 acres of this 643 Wet Prairie system is proposed to be impacted.

EXPECTED IMPACTS OF PROJECT/ACTIVITY:

The subject property is proposed to consist of 0.35 acres of impacted area and 3.77 acres of non-impacted area.

MITIGATION:

Offsite mitigation through an approved mitigation bank. Hole in the Donut is the proposed mitigation bank.

RECOMMENDATIONS:

Impacts to the wetland ecosystems located on the subject property will be mitigated through an appropriate mitigation bank through the purchasing of mitigation credits. Other restoration agreements have been made through a separate process.

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**PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)**

Site/Project Name Chosica Ranch	Application Number FW06-007	Assessment Area Name or Number Folio # 30-5815-000-0800 Impact Area	
FLUCCs code 643	Further classification (optional) Wet Prairie	Impact or Mitigation Site? Impact	Assessment Area Size 0.35 acres
Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands:

There is development on three of the four adjacent parcels. The undeveloped property to the west is hydrologically disconnected because of SW 207th Avenue. There is no direct connectivity to a similar 643 wetland system. Connectivity is limited by development, ditches and roads.

Assessment area description:

The assessment area is a 643 system with some exotic infestation and a somewhat reduced hydrology. The site is located in Miami-Dade County.

Uniqueness (considering the relative rarity in relation to the regional landscape.):

The subject property is not unique.

Mitigation for previous permit/other historic use:

No

Significant nearby features:

Major roads, roadside ditches, residential and agricultural development. No named wetlands were identified in the area.

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found):

cricket, frog, chorus frog, little grass frog, black racer, yellow rat snake, cottonmouth, pygmy rattlesnake, northern harrier, southeastern kestrel, killdeer, long-billed marsh wren, red-winged blackbird, marsh rabbit, cotton rat, and cotton mouse.

Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):

None are anticipated due to development of the area, and the location within the surrounding landscape. However, it is possible that the Florida Panther-E(*Puma concolor coryi*), Florida Black Bear-T(*Ursus americanus*) and various listed wading birds, ex. *Mycteria americana* and *Egretta spp.* may utilize the general area.

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

None

Additional relevant factors:

None

Assessment conducted by: ERMI - Nick Gallant, CFEA, LEP **Assessment Date:** January 17, 2007

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PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Chosica Ranch	FW06-007	Folio # 30-5815-000-0800 Impact Area
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	ERMI - Nick Gallant, CFEA, LEP	January 17, 2007

.500(6)(a) Location and Landscape Support

w/o preservation or current: 6
with: 0

Supporting Details: The surrounding area is significantly developed with residential and agricultural land uses. Development, major roads and roadside ditches cut off the subject property from the surrounding system. The subject property is adjacent (separated by a road) to a similar system that is also cut off from any other wetland system. The subject property itself is not a unique system.

.500(6)(b) Water Environments (n/a for uplands)

w/o preservation or current: 7
with: 0

Supporting Details: The subject property appears to have a reduced hydrology. Algal mats were the only hydrologic indicator observed. Area observations and historical research have indicated that the property was previously comprised of a 643 Wet Prairie system. The site does not appear to be inundated for the typical duration of a 643 system. Ditches, roads, canals and development have significantly cut the property off from the surrounding hydrology.

.500(6)(c) Community structure

w/o preservation or current: 5
with: 0

Supporting Details: There is significant exotic infestation, predominantly in the perimeter areas, in the form of Brazilian Pepper and Elephant Grass. The reduced hydrology appears to be supporting the introduction of upland and exotic vegetation. Area observations and historical research have indicated that the property was previously comprised of a 643 Wet Prairie system lacking in canopy and subcanopy and consisting of but not limited to vegetation such as Saw Grass, Yellow-eyed Grass, Broom Grass, Muhly Grass and White-top Sedge. Exotics such as Elephant Grass and Brazilian Pepper appear to be quite prevalent in the general area.

Score = sum of above scores/30 (if uplands, divide by 20)

w/o preservation or current: .60
with: 0

Delta = [with-current]: 0.60

If preservation as mitigation

Preservation adjustment factor =

Adjusted mitigation delta =

For impact assessment areas

FL = delta x acres =

0.60 x 0.35 = **0.21**

If mitigation

Time lag (t-factor) =

Risk factor =

For mitigation assessment areas

RFG = delta/(t-factor x risk) =

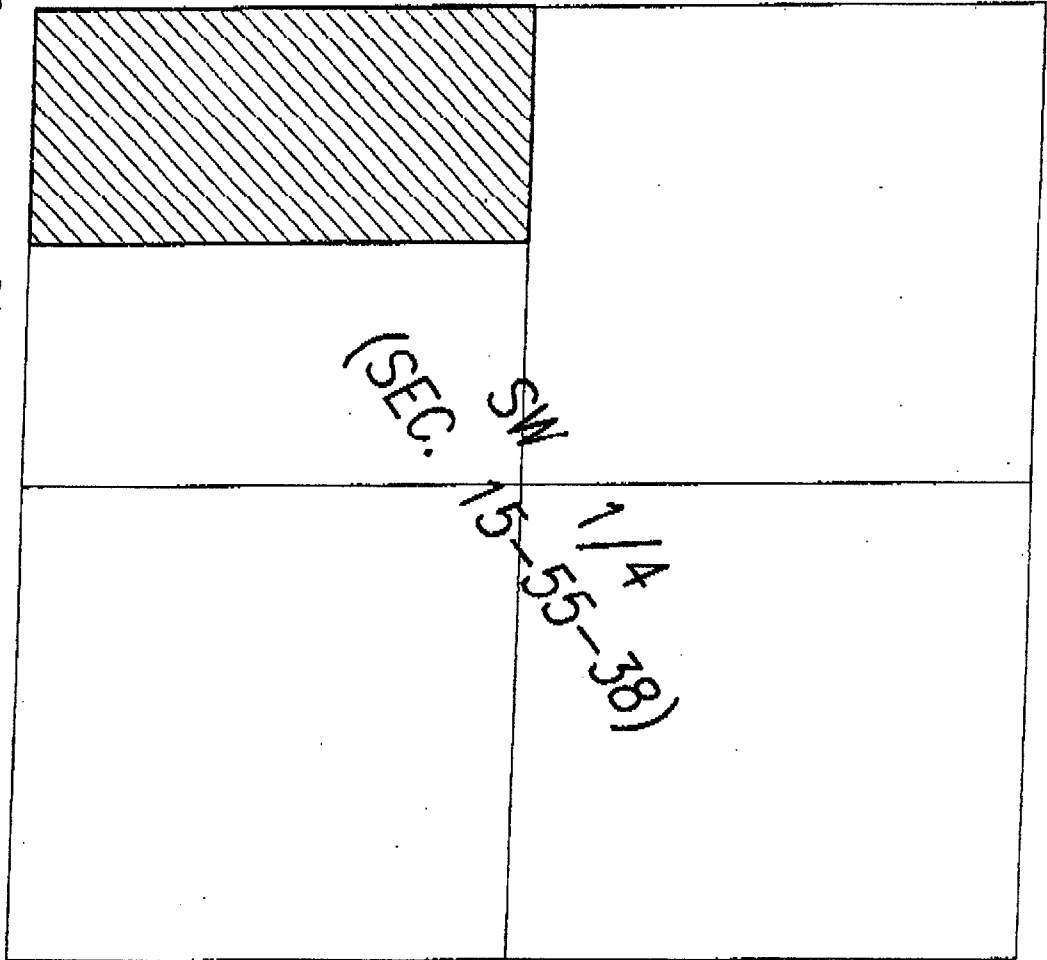


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S.W. CORNER
SEC. 15-55-38

S.W. 207th AVENUE



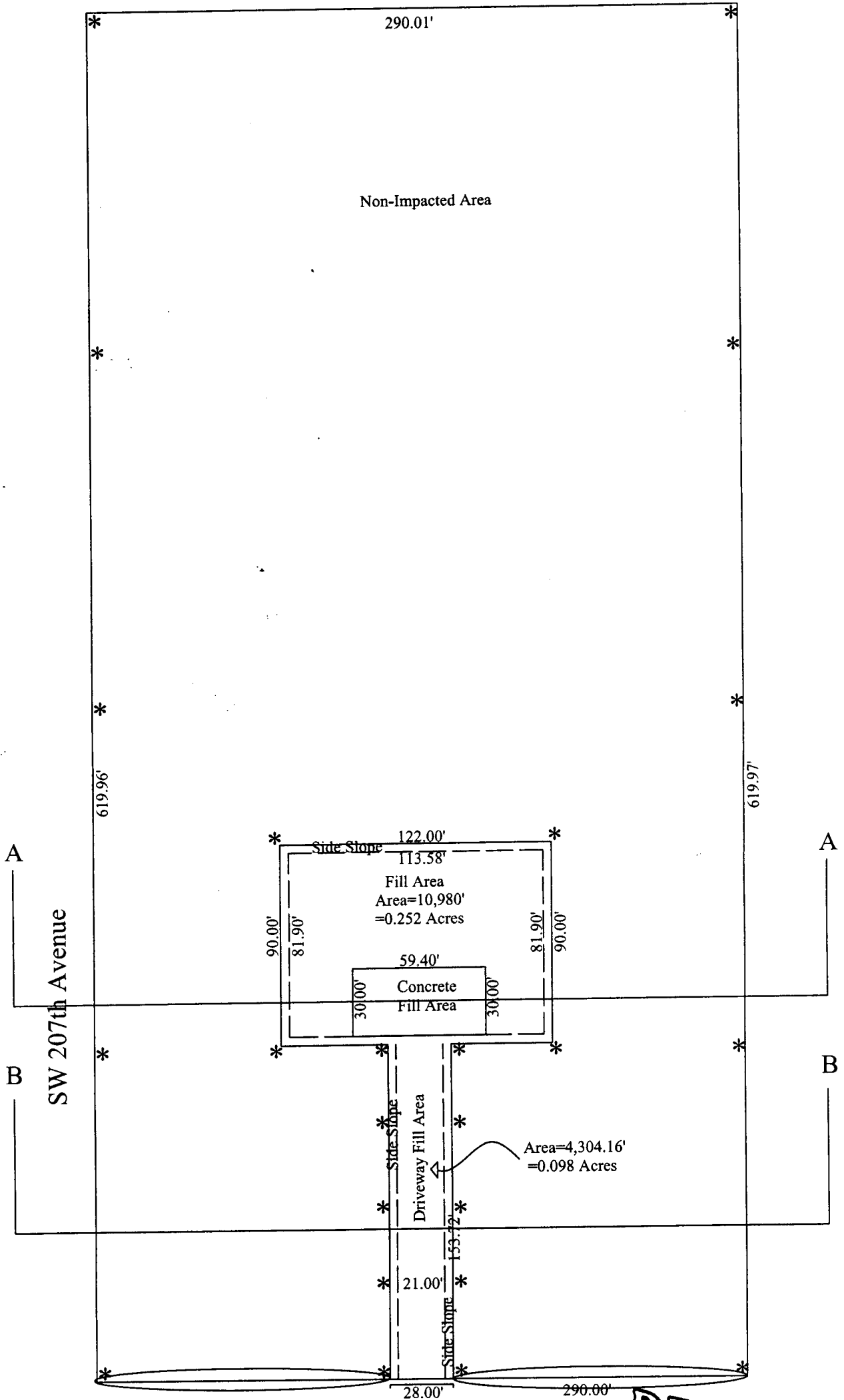
LOCATION SKETCH
N.T.S.

S.W. 136th STREET

(SEC. SW
15-55-38)
1/4

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1-18-08





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SITE LOCATION
 Folio #
 30-5815-000-0800
 Miami-Dade County, Florida

Sitemap:
 Class IV Wetland Permit
 Application FW06-007

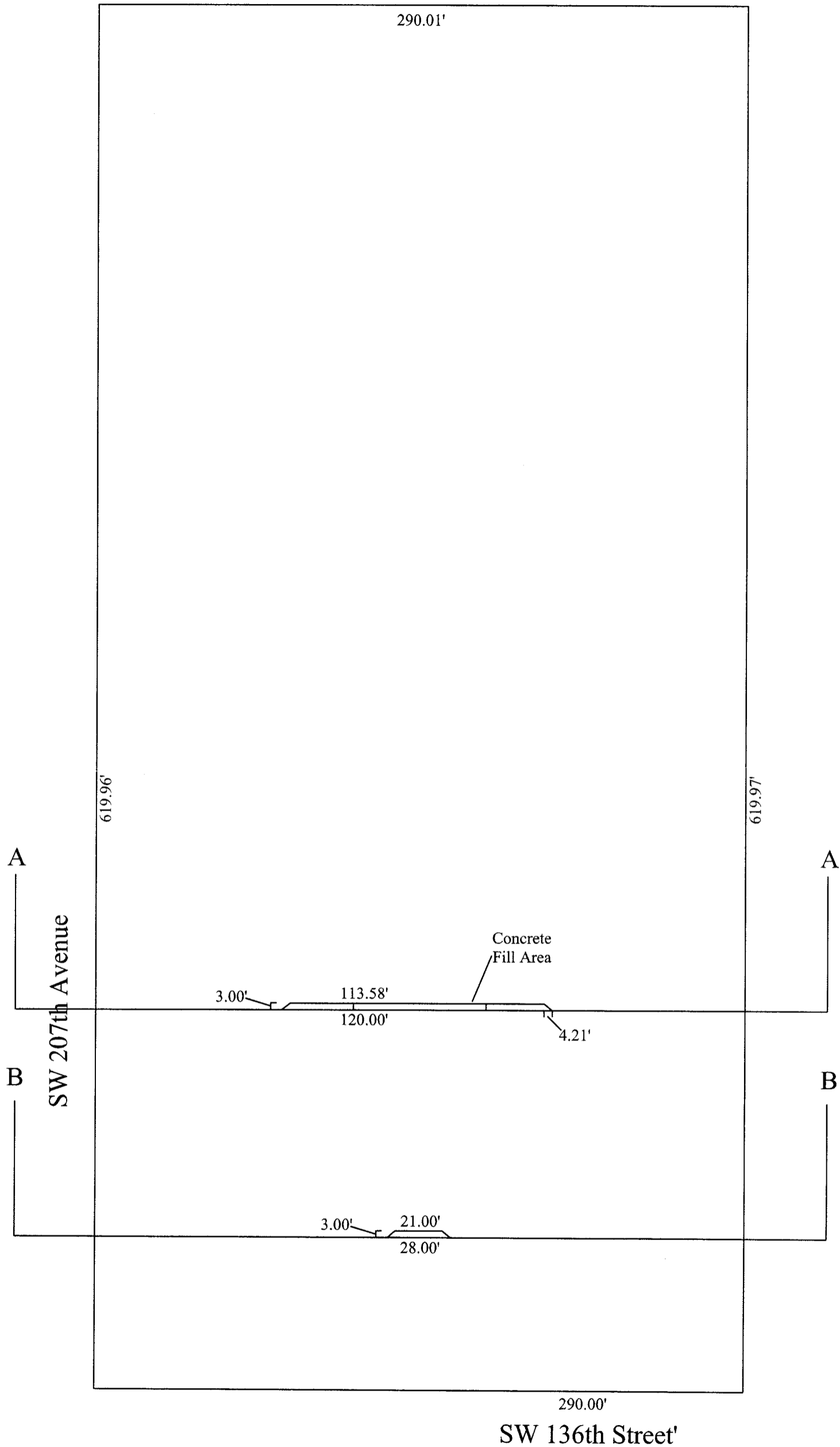
APPROXIMATE SCALE
 1" = 50'

Legend:

- * Palms
- * Hedgerow
- Impacted Area = 3.5 Acres
- Non-Impacted Area = 3.7 Acres



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<p>SITE LOCATION Folio # 30-5815-000-0800 Miami-Dade County, Florida</p>	<p>Cross-Section Sitemap: Class IV Wetland Permit Application FW06-007</p>	<p>APPROXIMATE SCALE 1" = 50'</p>
<p>ENVIRONMENTAL RISK MANAGEMENT, INC Licensed Engineering and Geology Firm • Assessment & Remediation Consultants</p>		

Handwritten signature and date:
12/17/07