

DEPARTMENT OF PLANNING AND ENVIRONMENTAL PROTECTION - Biological Resources Division 218 S.W. 1st Avenue • Fort Lauderdale, Florida 33301 • 954-519-1230 • FAX 954-519-1412

June 21, 2002

Philip Jimrusti Philip R. Jimrusti & Associates, Inc. 12730 SW 12 Court Davie, FL 33325

Re:

Miramar Park of Commerce - Phase V DPEP License #DF 01-1072 Modification

Dear Mr. Jimrusti:

This letter is to inform you that your request to modify the above referenced license is hereby granted. This modification allows for the relocation of the 5.12 acres of multi-habitat wetlands from its originally licensed location. The mitigation will be installed in an existing lake directly adjacent to and south of the mitigation for Phase III, licensed under DPEP License No. DF 96-1018. The attached drawings, stamped June 21, 2002 by this Department, and showing the details of the work, serve to replace drawings 3 of 5 and cross-section C-C on drawing 5 of 5, attached to the originally issued license.

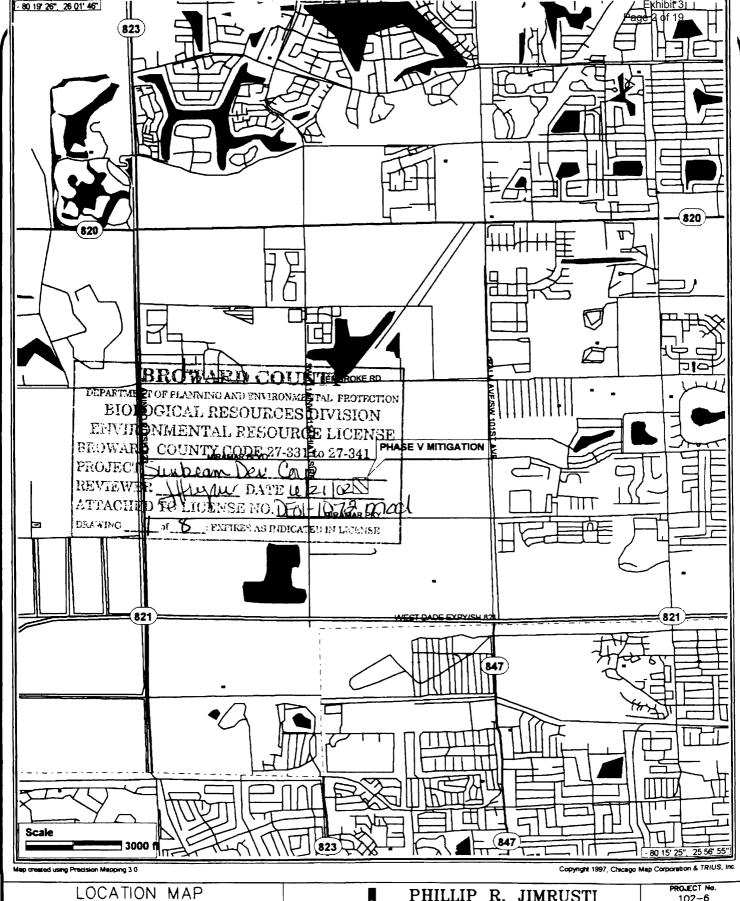
The scope and all other conditions of the License remain the same. Attach this letter and drawings, stamped June 21, 2002 by this Department, to the original License as they become a part thereof.

I have read the terms, conditions, requirements, limitations and restrictions set forth herein. I accept and agree to abide by all such provisions.

Eric T. Myers, Director

ological Resources Division

Sunbeam Development Corporation cc:



MIRAMAR PARK OF COMMERCE PHASE V MITIGATION SUNBEAM PROPERTIES, INC MIRAMAR, FLORIDA

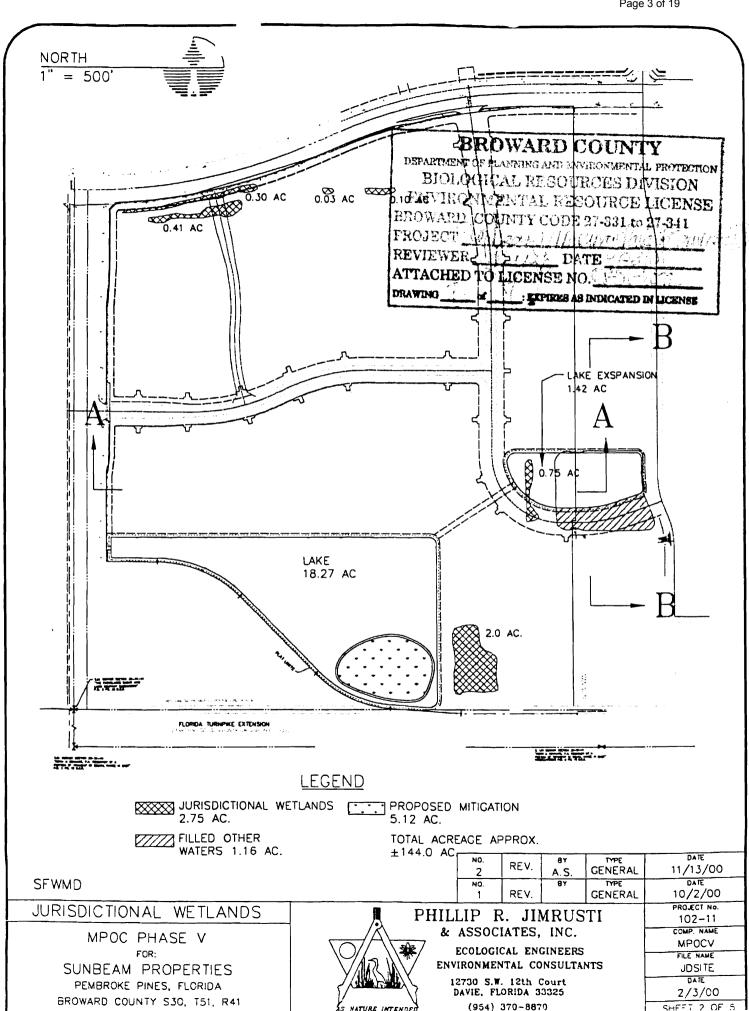


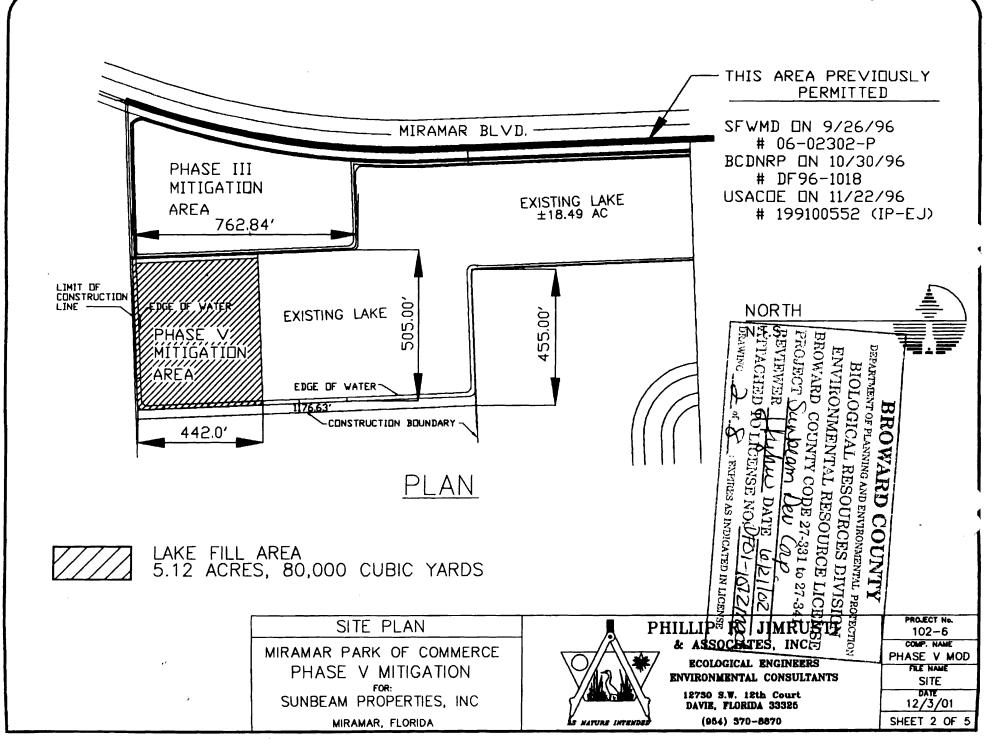
PHILLIP R. JIMRUSTI & ASSOCIATES, INC.

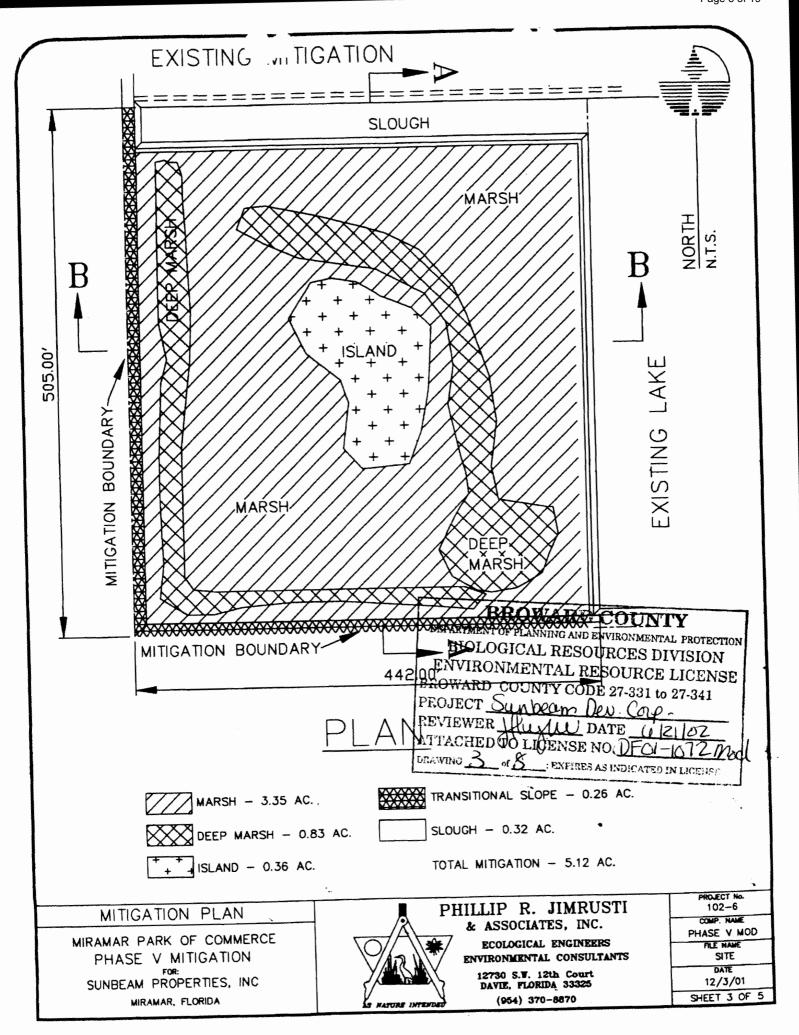
ECOLOGICAL ENGINEERS ENVIRONMENTAL CONSULTANTS 12730 S.W. 12th Court DAVIE, FLORIDA 33325

(954) 370-8870

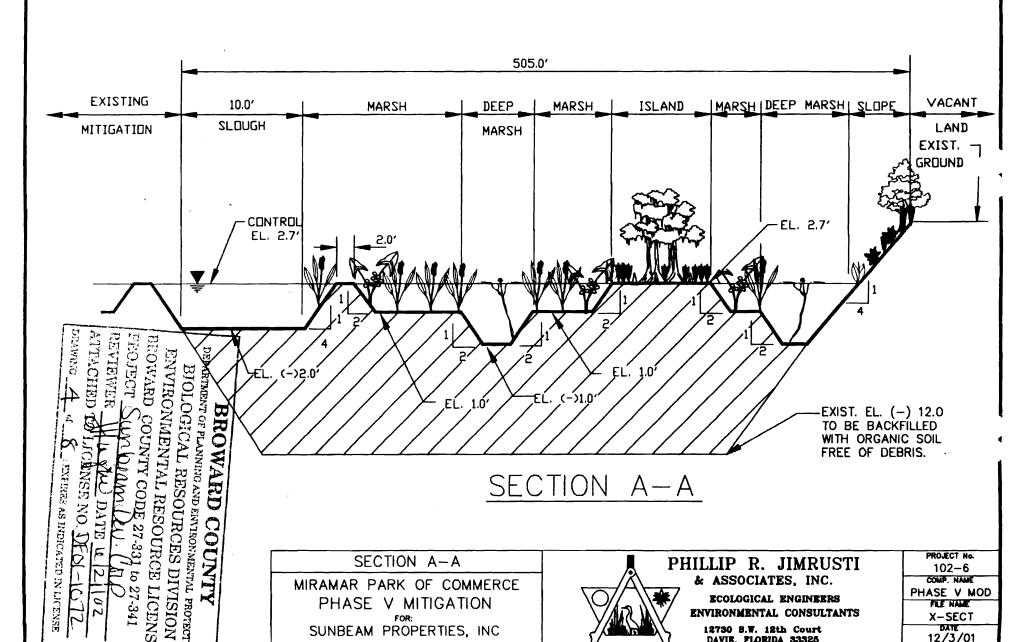
102-6 COMP. NAME PHASE V MOD FILE NAME LOC MAP DATE 12/3/01 SHEET 1 OF 5











SECTION A-A

MIRAMAR PARK OF COMMERCE PHASE V MITIGATION SUNBEAM PROPERTIES, INC MIRAMAR, FLORIDA

LICENSE



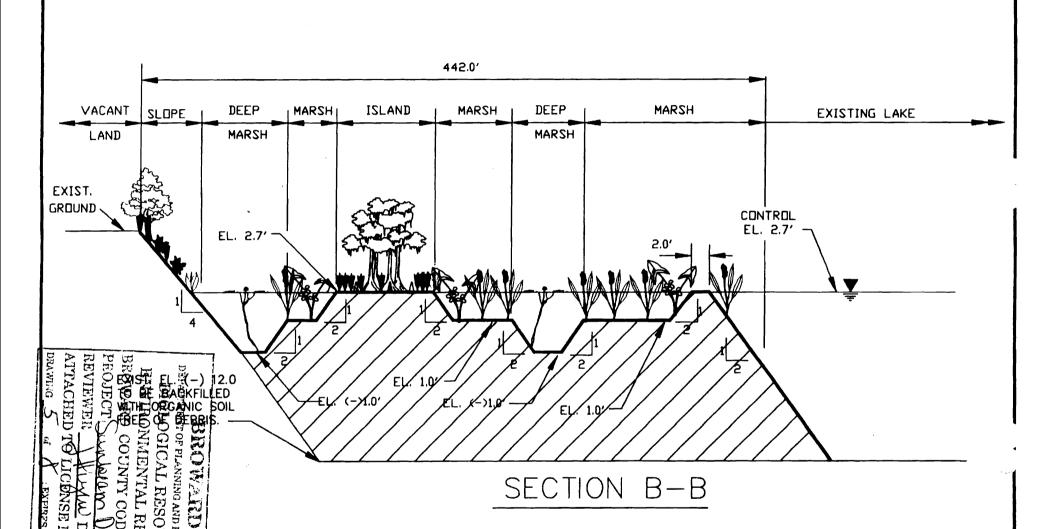
PHILLIP R. JIMRUSTI & ASSOCIATES, INC.

ECOLOGICAL ENGINEERS **ENVIRONMENTAL CONSULTANTS** 

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PROJECT No. 102 - 6COMP. NAME PHASE V MOD FILE NAME X-SECT DATE 12/3/01 SHEET 4 OF 5





SECTION B-B

MIRAMAR PARK OF COMMERCE
PHASE V MITIGATION
FOR:
SUNBEAM PROPERTIES, INC
MIRAMAR, FLORIDA



PHILLIP R. JIMRUSTI & ASSOCIATES, INC.

ECOLOGICAL ENGINEERS ENVIRONMENTAL CONSULTANTS

12730 S.W. 12th Court DAVIE, FLORIDA 33325 (954) 370-8870

PROJECT No.		
102-6		
COMP. NAME		
PHASE V MOD		
FILE NAME		
X-SECT_		
DATE		
12/3/01		
SHEET 5 OF 5		

# MIRAMAR PARK OF COMMERCE - PHASE V

## **BROWARD COUNTY**

VEGETATION LISTPARTMENT OF FLAMMING AND ENVIRONMENTAL PROTECTION

BIOLOGICAL RESOURCES DIVISION

Select 3 Species Minimum ONMENTAL RESOURCE LICENSE

BROWARD COUNTY CODE 27-331 to 27-341

Trees: Elevation - 2.7' NGVD

PROJECT SIMPLAM DATE 10 121/02

Acer rubrum
Annona glabra

PONICADE IN SERVICE AS INDICATED IN LICENSE

Bursera simaruba Celtis laevigata

(GUMBO LÍMBO) (SUGARBERRY) (SATIN LEAF)

Chrysophyllum oliviforme
Coccoloba diversifolia

(PIGEON PLUM)
(GREEN BUTTONWOOD)

Conocarpus erectus llex cassine

(DAHOON HOLLY)

Magnolia virginiana

(SWEET BAY) (MASTIC)

Mastichodendron foetidissimum

(BLACK GUM)

Nyssa sylvatica
Persea borbonia
Persea palustris

(RED BAY) (SWAMP BAY)

Persea porponia
Persea palustris
Pinus elliotii
Quercus laurifolia

(SLASH PINE) (LAUREL OAK) (LIVE OAK)

Quercus virginiana Swietenia mahagoni Taxodium distichum

(MAHOGANY) (BALD CYPRESS)

Palms:

Elevation - 2.7' NGVD

Acoelorrhaphae (Paurotis) wrightii

(PAUROTIS PALM) (CABBAGE PALM)

Sabal palmetto Serenoa repens Thrinax radiata

(SAW PALMETTO) (THATCH PALM)

Shrubs:

Elevation - 2.7' NGVD

Baccharis halimifolia Bumelia salicifolia (SALT BUSH) (WILLOW BUSTIC) (BEAUTYBERRY)

Callicarpa americana
Capparis cynophallophora
Cephalanthus occidentalis

(JAMAICAN CAPER) (BUTTON BUSH) (COCOPLUM)

Chrysobalanus icaco

(SILVER BUTTONWOOD) (SPANISH STOPPER)

Conocarpus erectus var. sericeus Eugenia foetida

(FIREBUSH)

Hamelia patens Itea virginica

(VIRGINIA WILLOW)
(SIMPSON STOPPER)

Myrcianthes fragrans

(WAX MYRTLE)

Myrica cerifera
Myrsine floridana
Psychotria nervosa

(MYRSINE) (WILD COFFEE)

Salix floridana

(WILLOW)

Sambucus simpsonii

(ELDERBERRY)

# MIRAMAR HARK OF COMMERCE - PHASE V

# **VEGETATION LIST**

Page - 2 -

BROWARD COUNTY

DEPARTMENT OF PLANNING AND ENVIRONMENTAL PROTECTION BIOLOGICAL RESOURCES DIVISION ENVIRONMENTAL RESOURCE LICENSE

BROWARD COUNTY CODE 27-331 to 27-341 PROMET Sunblam

Select 3 Species Min

REVIEWER

ATTACHED OF LICENSE NO

Aquatics:

Elevation - 0.0' NGVD to 2.7' NGVD

(CANNA LILY) Canna flaccida (SAWGRASS) Cladium iamaicense Crinum americanum (SWAMP LILY) Eleocharis cellulosa (SPIKERUSH) (SPIKERUSH) Eleocharis geniculata (SPIKERUSH) Eleocharis interstincta Hymenocallis spp. (SPIDER LILY) Iris virginica (BLUE FLAG IRIS) (SOFT RUSH) Juncus effusus

Lachnanthes caroliniana (RED ROOT) (FRAGRANT WHITE WATER LILY) Nymphaea odorata

Peltandra sagittifolia (SPOONFLOWER) Peltandra virginica (ARROW-ARUM) Pontederia cordata (PICKERELWEED)

(ARROWHEAD/DUCK POTATO) Sagittaria lancifolia

(COMMON ARROWHEAD) Sagittaria latifolia

Sagittaria montevidensis (ARROWHEAD)

(DWARF ARROWHEAD) Sagittaria subulata Scirpus californicus (GIANT BULRUSH)

(BULRUSH) Scirpus validus

(SOFT-STEM BULRUSH) Scirpus tabernaemontani

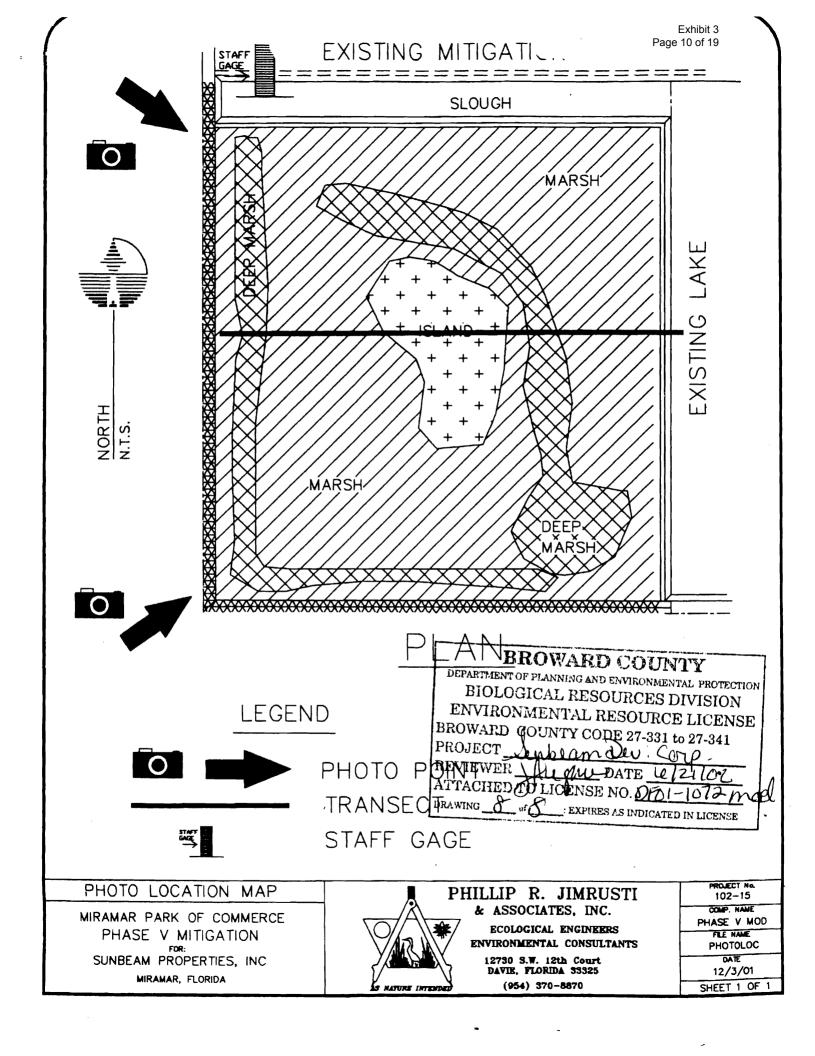
Elevation - 2.7' NGVD **Groundcovers:** 

> Acrostichum danaeifolium (LEATHERFERN) (SWAMP FERN) Blechnum serrulatum (ST. JOHN'S WORT) Hypericum fasciculatum Kosteletzkya spp. (MARSH-MALLOW) Muhlenbergia capillaris (MUHLY GRASS) Nephrolepis biserrata (SWORD FERN) (BOSTON FERN) Nephrolepis exaltata Osmunda regalis (ROYAL FERN)

Saururus cernuus (LIZARD'S TAIL) (SMOOTH CORDGRASS) Spartina alterniflora (SAND CORDGRASS) Spartina bakeri

Thalia geniculata (FIREFLAG) (FAKAHATCHEE GRASS) Tripsacum dactyloides (FLORIDA GAMA GRASS) Tripsacum floridanum

(CHAIN FERN) Woodwardig virginica Zamia pumila (COONTIE)





### Department of Planning and Environmental Protection

Biological Resources Division 218 S.W. 1st Avenue Fort Lauderdale, FL 33301

(954) 519-1230 • FAX (954) 519-1412

# ENVIRONMENTAL RESOURCE LICENSE

LICENSEE:

**LICENSE NO.: DF01-1072** 

PROJECT: MIRAMAR PARK OF

SUNBEAM DEVELOPMENT CORPORATION 1401 79TH STREET CAUSEWAY MIAMI, FLORIDA 33141

**COMMERCE - PHASE V** LAKE EXCAVATION/FILL WETLAND IMPACT WETLAND MITIGATION

This license is issued under the provision of Chapter 27 of the Broward County Code of Ordinances also cited as Broward County Natural Resource Protection Code hereinafter called the Code. The above-named applicant, hereinafter called licensee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications as submitted by applicant, and made a part hereof and specifically described as follows:

Description of Work: The project shall consist of the creation of a 18.27 acre lake by the excavation of 117,902 cubic yards and expansion of a 1.29 acre lakes by the excavation of 91.637 cubic yards of fill material; the filling 1.67 acres of an existing lake; and the filling of 2.52 acres of wetlands with clean fill from the on-site excavation. The lakes shall be excavated to a maximum depth of (-) 40 feet and lake slopes shall be as per attached plans in accordance with Section 27-337(b)(13).

Compensation for impacts to 2.52 acres of herbaceous wetlands shall be in the form of creation of 5.12 acres of multi-habitat wetlands by backfilling the larger lake with on-site muck soils to appropriate wetland elevations per attached drawings.

Location of Work: The project is located east of Red Road, south of Miramar Parkway, City of Miramar, Broward County, Florida, Section 30, Township 51 South, Range 41 East.

Construction shall be in accordance with Application SFWMD Form 0917 and DPEP Addendum both dated 5-25-00; and associated information, all of which is designated as DPEP File No. 00 17475; plans stamped by the Department on 4-23-01 (attached); and with all General and Specific Conditions of this license.

## **ENVIRONMENTAL RESOURCE LICENSE**

#### **GENERAL CONDITIONS**

- 1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted and must be completed by the licensee and enforceable by the Department of Planning and Environmental Protection (DPEP) pursuant to Chapter 27 of the Broward County Code of Ordinances. The DPEP will review this license periodically and may revoke or suspend the license, and initiate administrative and/or judicial action for any violation of the conditions by the licensee, its agents, employees, servants or representatives.
- 2. This license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation, suspension and/or enforcement action by the DPEP.
- 3. In the event the licensee is temporarily unable to comply with any of the conditions of the license or with the Code, the licensee shall notify the DPEP within eight (8) hours or as stated in the specific section of the Code. Within three (3) working days of the event, the licensee shall submit a written report to the DPEP that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention toward repair, replacement, and reconstruction of destroyed facilities, and a schedule of action leading toward operation within the license conditions.
- 4. The issuance of this license does not convey any vested rights or exclusive privileges, or does it authorize any injury to public or private property or any invasion of personal rights, or any violations of federal, state or local laws or regulations.
- 5. This license must be available for inspection on licensee's premises during the entire life of the license.
- 6. By accepting this license, the licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this licensed facility or activity that are submitted to the County, may be used by the County as evidence in any enforcement proceeding arising under Chapter 27 of the Broward County Code of Ordinances, except where such use is prohibited by Section 403.111, Florida Statues.
- 7. The licensee agrees to comply and shall comply with all provisions of the most current version of the Code.
- 8. Any new owner of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after the sale or legal transfer. The transferor shall remain liable for performance in accordance with the license until the transferee applies for, and is granted a transfer of license. The transferee shall be liable for any violation of the Code that results from the transferee's activities. The transferee shall comply with the transferor's original license conditions when the transferee has failed to obtain its own license.
- 9. The licensee, by acceptance of this license, specifically agrees to allow access and shall allow access to the license source at reasonable times by DPEP personnel for the purposes of inspection and testing to determine compliance with this license and Chapter 27, Broward County Code of Ordinances.
- 10. This license does not constitute a waiver or approval of any other license, approval or regulatory requirement by this or any other governmental agency that may be required.
- 11. If the licensee wishes to renew the license or extend its term, the licensee shall make application sixty (60) days prior to its expiration including payment of all appropriate fees. Expired licenses are not renewable.

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LICENSE NO. DF01-1072

LICENSEE: SUNBEAM DEVELOPMENT CORPORATION PROJECT: MIRAMAR PARK OF COMMERCE - PHASE V

### **SPECIFIC CONDITIONS:**

#### A. Standard

1. Notify the Department in writing a minimum of 48 hours prior to project commencement and a maximum of 48 hours after project completion. Failure to comply with this condition will result in enforcement action.

- 2. Any project caused environmental problem(s) shall be reported immediately to the DPEP Environmental Response Line at 954-519-1499.
- 3. All project generated solid waste and/or spoil material must be disposed of in a suitable approved manner at an upland location.
- 4. Turbidity screens or equivalent shall be properly employed and maintained as necessary during construction activities so that turbidity levels do not exceed 29 NTU's above natural background 50 feet downstream of point of discharge. If turbidity levels exceed these limits, project activities shall immediately cease, and work shall not resume until turbidity levels drop to within these limits [62-302.530(70) FAC].
- 5. Any water bodies or wetlands to be filled pursuant to this license must be filled only with rock, soil or muck, as appropriate and depicted on the attached drawings dated 4-23-01by the Department. Fill material which includes clean debris as defined in Section 27-214 is not authorized by this license. Use as fill of any materials other than rock, soil or muck shall constitute a violation of this license.
- 6. Notify the Department in writing within 48 hours from completion of final grading of the lake excavations.
- 7. Within thirty (30) days after the final grading of the lake slopes and before receiving a Certificate of Occupancy for any structure adjacent to the licensed lake, the licensee shall submit to the Department a letter, sealed by a Florida-licensed professional engineer, certifying that the slopes have been surveyed and noting whether they are in compliance with the licensed plans.

### B. Compensatory Mitigation (Area)

- 1. Construction and installation of the Area shall be in accordance with plans dated 4-23-01 by the Department (attached) and associated information. The Area shall be installed concurrently with licensed construction.
- 2. Upon completion of the Area, the following documentation shall be submitted to the Department: (a) certification of elevations in relation to design, (b) verification of actual acreage, and (c) the time-zero monitoring report. This documentation is required within 30 days of completion of the Area and prior to any Certificate of Occupancy being received for any structure on the site.
- 3. A viable wetland system shall be established that replicates a natural reference wetland in basic structure and function. In order to assure that the Area becomes self-sustaining, the following criteria shall be met:
  - a) A minimum of 80% coverage by desirable wetland species after a two (2) year period and demonstration of persistence for three (3) additional years.
  - b) Less than 2% coverage by invasive exotic and undesirable species is allowable if plants are dispersed and not concentrated in any particular area. Exotic and undesirable species include, but are not limited to, melaleuca, Australian pine, Brazilian pepper, bischofia, torpedo grass, primrose-willow, and cattail. Treatment efforts must be tailored to prevent these species from becoming reproductively mature.

LICENSE NO. LICENSEE: PROJECT:

# DF01-1072

### SUNBEAM DEVELOPMENT CORPORATION MIRAMAR PARK OF COMMERCE - PHASE V

- A minimum of 80% survival of each planted species. This rate shall be maintained each quarter c) except where species composition, density of planted and recruitment species and overall wetland condition, growth rates and viability of the Area are of higher quality, as determined by the Department.
- d) Hydrologic conditions and soil characteristics are in general conformity to those specified in plans. Data from the permanent surveyed staff gauges must be collected every two weeks and submitted with the quarterly monitoring reports.
- e) Any preserved or planted species shall be maintained as to exhibit new growth and/or propagation, viability, and overall health.

The Area shall be monitored and reports submitted quarterly for five (5) years describing in detail the condition of the Area relative to the reference wetland and the criteria listed above (B. 3.a-e).

- Should the Department determine that the Area is not achieving the listed criteria during some portion 4. of the monitoring period, the licensee shall prepare plans that demonstrate clearly how the problem(s) will be corrected and submit such plans immediately to the Department for approval. Those plans shall then be implemented within thirty (30) days of the Department's written approval.
- 5. A Conservation Easement and a Surety Bond (SB) for \$64,746 have been submitted by the applicant. Should either of these documents be unacceptable to the County Attorney's Office or the County Commission, a replacement document shall be submitted in a form acceptable to the Department, the County Attorney's Office and the Commission within thirty (30) days of the Department's written notification that the document was unacceptable.
- The SB includes construction, planting, monitoring and maintenance costs. Upon DPEP review and 6. approval of all information required in Specific Condition B. 2, the licensee may request the release of the construction and planting portion of the SB, which totals \$37,246. After the five year maintenance and monitoring period has elapsed and upon demonstration that the licensee has met the intent and all information requested in Specific Conditions B.3 and 4 and if necessary B.5, the licensee may request the release of the monitoring and maintenance portion of the SB, which totals \$27,500. All requests shall be made in writing to the Wetlands Resources Section of DPEP.

C. A COPY OF THIS LICENSE SHALL BE KEPT ON SITE DURING ALL PHASES OF LICENSED CONSTRUCTION.

Recommended for approval by:	Reviewed by: Karhyneatter
License Processor	Licensing/Section Manager

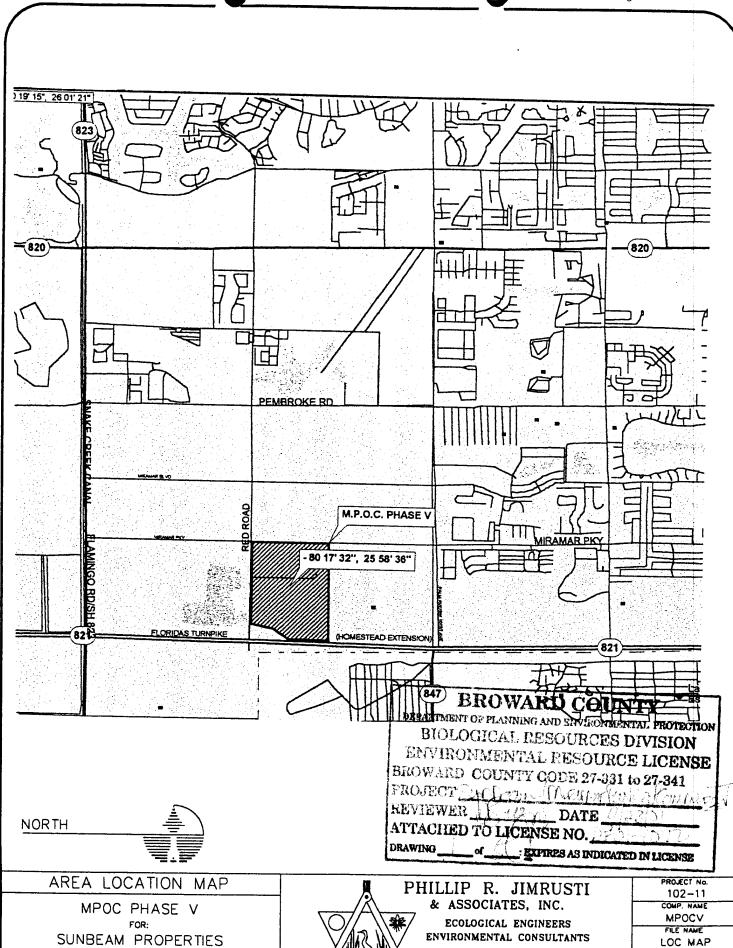
I have read the terms, conditions, requirements, limitations and restrictions set forth herein. I accept and agree to abide by all such provisions.

Signature (Licensee of authorized agent)

Expiration Date:

BROWARD COUNTY DEPARTMENT OF PLANNING AND ENVIRONMENTAL PROTECTION

ERIC MYERS, DIRECTOR BIOLOGICAL RESOURCES DIVISION



PEMBROKE PINES, FLORIDA

BROWARD COUNTY S30, T51, R41

12730 S.W. 12th Court DAVIE, FLORIDA 33325

(954) 370-8870

2/3/00

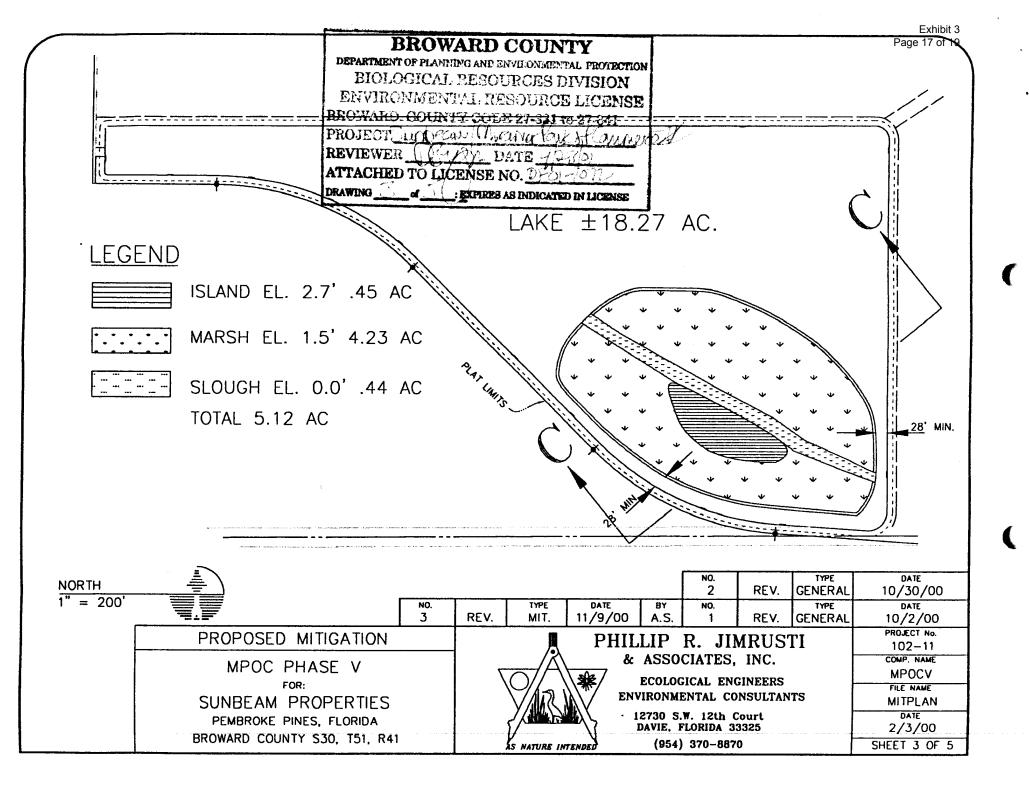
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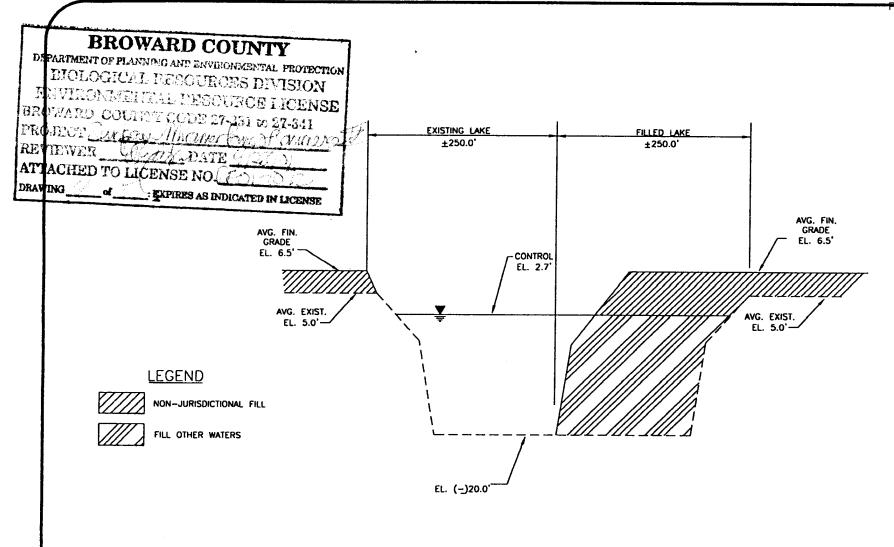
SUNBEAM PROPERTIES PEMBROKE PINES, FLORIDA BROWARD COUNTY \$30, T51, R41

**ENVIRONMENTAL CONSULTANTS** 

12730 S.W. 12th Court DAVIE, FLORIDA 33325 (954) 370-8870

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SHEET 2 OF 5	





CROSS SECTION B-B N.T.S.

## CROSS SECTION

MPOC PHASE V
FOR:
SUNBEAM PROPERTIES
PEMBROKE PINES, FLORIDA
BROWARD COUNTY S30, T51, R41



PHILLIP R. JIMRUSTI

& ASSOCIATES, INC.

ECOLOGICAL ENGINEERS
ENVIRONMENTAL CONSULTANTS

12730 S.W. 12th Court DAVIE, FLORIDA 33325 (954) 370-8870

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