Compliance Documentation

KEY WEST PLANNING DEPT
OCT 1 - 2010
MONROE COUNTY

October 13, 2010

City of Key West (Commission Resolution No. 2008-001, Planning Board Meeting of January 17, 2008)
Conditions of the Site Plan Approval for Additional Parcel
Status Update

1. The applicant shall use consistent terminology for future site development and approval processes, as follows: 5210 College Road (Monroe County Property Appraiser Real Estate Number 00072082.002000) shall be called the Original Key West Botanical Garden Site; and, 5100 College Road (Monroe County Property Appraiser Number Real Estate Number 00072080.001800) shall be called the Key West Botanical Garden Addition. Phases for each site shall be identified in reference to this terminology.

   Reply: The Client will use consistent terminology for future site development and approval processes.

2. All surface disturbing activities that might occur due to development shall be monitored by a professional archaeologist.

   Reply: An archaeologist was present during surface disturbing activities for Phase I (see attached report).

3. The trailer and temporary education facility which were located in the Original Key West Botanical Garden site (which is zoned C-UH) in 2007 shall be removed from the C-UP zoning within two years of the Major Development Approval. In addition, the applicant shall perform after-the-fact mitigation acceptable to the City for any impacts to upland hammock which occurred or will occur from the placement and/or removal of the trailer prior to building permit issuance on the Key West Botanical Garden Addition site.

   Reply: This item is pending and timing is dependent upon the Gardens finding an alternative space on the site that is suitable for the relocation and will not interfere with the future construction projects. The Botanical Garden

4. The applicant has obtained approval for Phase I of the Key West Botanical Garden Addition from the Liaison Committee, as required by the lease with the City; however, the applicant shall obtain approval of the Liaison Committee for each future phase of development prior to issuance of building permits.

   Reply: The Liaison Committee met on January 7th, 2007 and has approved Phase I of the Key West Botanical Garden Addition.

5. The applicant shall obtain approval from the City Manager for the capital improvements proposed as part of this application prior to issuance of building permits for each phase.

   Reply: A letter was submitted to Jim Scholl on May 12, 2008 and he provided his approval for the improvements prior to issuance of the building permits.

6. The applicant shall obtain an after-the-fact permit from the Landscaping Department and Engineering Department for the landscaping that has been placed in the city right-of-way along College Road. Further, the applicant shall coordinate the location of the proposed sidewalk with the City Engineer, and adjust the location if necessary, prior to building permit issuance for the first phase.

   Reply: Permit application and permit drawings were submitted to Ms. Coogle on April 11, 2008. The sidewalk that was proposed was not constructed.

7. All improvements shall be ADA accessible and receive approval from the City's Bicycle/Pedestrian/ADA Coordinator.

   Reply: Received an approval from Jim Malcolm for the Addition parcel on April 25, 2008

8. The applicant shall obtain all necessary federal, state, and local permits prior to the commencement of any construction including the Botanical Garden contacting an independent engineer agreed to by the City, Key West Golf Club and Botanical Garden, to address hydrology concerns if the existing hydrology report is not acceptable to the City.

   Reply: Coordination and required permits were obtained. Summary: SFWMD permit was issued August 8, 2008. ACOE did not require a permit for this project. Coordination with FDEP occurred and they deferred their authority to SFWMD. We submitted the report and it was approved by Annalise Mannix on May 29, 2008.

9. The applicant shall provide the City with a Floristic Evaluation of Phase I of the Key West Botanical Garden Addition which includes an inventory of plants with GPS locations within 30 days of Major Development Plan approval. GPS location specifications shall be provided as recommended by the Institute for Regional Conservation and approved by the City.

   Reply: The inventory was provided to Ms. Coogle, Ms. Mannix and Ms. Murley were submitted on April 25, 2008.

10. The applicant shall provide the City with a Floristic Evaluation of the remaining phases of the Key West Botanical Garden Addition which includes an inventory of plants with GPS locations within one year of the Major Development Plan approval. GPS location specifications shall be provided as recommended by the Institute for Regional Conservation and approved by the City.

    Reply: The inventory for the remaining phases of the Key West Botanical Garden Site was completed (see attached Husbandry Report).

11. The applicant shall provide the City an appropriately sourced inventory for the Original Key West Botanical Garden Site with GPS locations within one year after the Major Development Plan approval. GPS location specifications shall be provided as recommended by the Institute for Regional Conservation and approved by the City.

    Reply: The inventory for the Original Key West Botanical Garden Site was completed (see attached Husbandry Report).

12. All invasive exotic plants on the Key West Botanical Garden Addition, as defined by Exotic Pest Control Council as Category I plants, will be removed or eradicated in-place.

    Reply: All invasive plants were removed (see attached Exotic Removals Summary).

13. Small maturing seedlings of palms and trees over three feet in height and seedlings of medium to large maturing trees of six feet in height or above within Phase 1 of the Key West Botanical Garden Addition will be transplanted prior to building permit issuance. The applicant will provide a transplantation plan to the City for approval. Future phases in the Addition will provide a seedling relocation plan to the City for approval prior to building permit approval.

    Reply: Transplantation Plan was mailed to the City on April 25, 2008 (see attached).

14. Within 30 days of Major Development Plan approval the applicant will reconfigure existing parking to ensure that there is no parking within the drip line of trees. Compacted areas will be aerated.

    Reply: Parking lot was reconfigured and compacted areas were aerated on May 6, 2008. The exotic almond tree was removed to allow the reconfiguration.

15. The applicant will prepare recommendations in accordance with state and federal regulations for any required treatment or management of contaminated sediments, if such contamination is identified.

    Reply: The City had a Phase I environmental report prepared for the Addition parcel when the City purchased the property from the County that addresses this issue.

16. Phase I site feature construction will not adversely impact the environment within the drip lines of existing trees. Boardwalk footers can be field adjusted as approved by an ISA certified arborist in field; however, one inch or larger roots systems will be avoided.

    Reply: The Contractor worked with the Botanical Garden ISA certified arborist to locate the Phase I site features to not adversely impact the environment within the dripline of trees.

Condition #2

IBI GROUP

May 16, 2008

KEY WEST PLANNING DEPT
MONROE COUNTY

Amy Kimball-Murley, AICP
Planning Director
Key West Planning Department
PO Box 1409
Key West, Florida
33041-1409

Dear Mrs. Kimball-Murley:

Condition #2 – Archaeologist

The Key West Botanical Garden Society, Inc. and its consultants pledge to utilize the professional services of a licensed archaeologist during the excavation of the pond on the Botanical Garden Addition parcel. Further, the expertise of an archaeologist will be used when appropriate for future phases of development on this parcel.

Condition of Approval #2 reads:

"All surface disturbing activities that might occur due to development shall be monitored by a professional archaeologist."

Respectfully,

James C. Taylor, AICP
Planner
IBI Group

1519 Main Street, Sarasota, Florida 34236 USA (941) 954-1718 FAX (941) 954-0231
IBI Group, Inc. is a Division of IBI Group and incorporates the practice of **The RMPK Group**

KEY WEST PLANNING DEPT.
OCT 1 - 2010
MONROE COUNTY

Preliminary Archaeological Monitoring Update

Following the initial site inspection, a bull dozer was used to skim the ground surface to remove vegetative cover and level the site. A frontend loader removed loose soil and transported it to an on-site stockpile. A second surface inspection was conducted during and after this operation.

The next phase was to remove the fill layer from the portion of the project to be excavated below the surround elevation. Once this fill layer was removed, any remaining soil was excavated to expose a nearly continuous limestone bedrock surface. Finally, working with the Project Archaeologist, an excavator was used to explore any solution features encountered while exposing bedrock. Once a continuous surface of intact bedrock had been exposed, the area was considered culturally sterile.

Following the exposure and inspection of the bedrock surface, the site was re-graded using spoil piles. This step was required to provide a level surface for Ditch Witch trenching machine operate on. The site was quarried for decorative limestone blocks to be used on-site. However, this operation did not require archaeological monitoring as the trenching and block removal occurred in solid limestone, below any potential cultural deposits. The quarried blocks were later inspected for the presence of any features not visible in-situ.

Preliminary Findings (Current as of 7/6/2008)

The portion of the project area excavated has consisted primarily of fill. The underlying oolitic limestone has a somewhat irregular surface gradually rising and falling with few solution features. The wide, shallow depressions in the limestone are filled with apparently intact, very dark gray to black soil. The soil has not had the typical characteristics of a midden deposit. To date, no prehistoric or historic-period cultural material has been discovered during monitoring of the project area. At no time during the excavations did the Archaeologist observe any evidence of artifacts or other possible archaeological features / deposits.

Condition #3

IBI GROUP

May 21, 2008

Amy Kimball-Murley, AICP
Planning Director
Key West Planning Department
PO Box 1409
Key West, Florida
33041-1409

KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY

Dear Mrs. Kimball-Murley:

Condition #3 – Hammock Mitigation

The Key West Botanical Garden Society, Inc. has acquired and planted three trees in compliance with the second sentence of condition of approval #3 which reads:

"The trailer and temporary education facility which were located in the Original Key West Botanical Garden site (which is zoned C-UH) in 2007 shall be removed from the C-UP zoning within two years of the Major Development Approval. In addition, the applicant shall perform after-the-fact mitigation acceptable to the City for any impacts to upland hammock which occurred or will occur from the placement and/or removal of the trailer prior to building permit issuance on the Key West Botanical Garden Addition site. "

Photographs of the newly planted trees accompany this letter as Exhibit 1.

Respectfully,

James C. Taylor

James C. Taylor, AICP
Planner
IBI Group

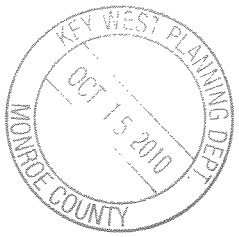
EXHIBIT 1

Photographs of new trees.

Condition #4

Peter Rysman
62 Front Street, Key West, FL 33040
Tel. 305 – 296 - 5999 prysman@bellsouth.net Fax. 305 – 295 - 2919

Jan. 9, 2008
Hand Delivered



Ms. Amy Murley
Interim Planning Director
PO Box 1409
Key West, FL 33040

Re: **Key West Botanical Garden Addition Phase One Pond**

Dear Ms. Murley:

Pursuant to the request of Gail Kenson, this is to confirm to you that the City's Botanical Garden Liaison Committee met on Monday, January 7, 2007 at 5:00 PM at the Botanical Garden for the purpose of reviewing the development plan currently pending before the Planning Department. A quorum was present.

On Motion duly made and seconded, the Committee unanimously voted:

To approve the development plan as submitted to the Planning Department including the revisions to the pond so that the gumbo limbo trees will not need to be moved.

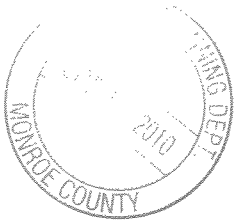
Sincerely,

Peter Rysman,
Committee Member

cc:
Greg Curry
Don Riggs
Cynthia Coogle
Peter Batty
James Taylor
Vicki Grant

IBI GROUP

May 16, 2008



Amy Kimball-Murley, AICP
Planning Director
Key West Planning Department
PO Box 1409
Key West, Florida
33041-1409

Dear Mrs. Kimball-Murley:

Condition #4 – Approval of Future Phases by Liaison Committee

The Key West Botanical Garden Society, Inc. and its consultants pledge to abide by the terms of condition of approval #4 which reads:

"The applicant has obtained approval for Phase I of the Key West Botanical Garden Addition from the Liaison Committee, as required by the lease with the City; however, the applicant shall obtain approval of the Liaison Committee for each future phase of development prior to issuance of building permits."

Respectfully,

James C. Taylor, AICP
Planner
IBI Group

1519 Main Street, Sarasota, Florida 34236 USA (941) 954-1718 FAX (941) 954-0231
IBI Group, Inc. is a Division of IBI Group and incorporates the practice of **The RMPK Group**

Condition #5

IBI GROUP

April 23, 2008

KEY WEST PLANNING DEPT
MONROE COUNTY

Captain Jim Scholl
City Manager
525 Angela Street
Key West, FL 33040

Dear Mr. Scholl,

You are aware that one of the conditions of our site plan approval for expansion of the Botanical Gardens is to gain your approval of our capital improvements and funding plan. Below is a listing of funding sources for the project.

construction bid	$852,000
project management	$105,000
consultants/city requirements	$93,750
subtotal	$1,050,750
contingency @10%	$105,075
indirect costs at 10%	$105,075
Total	$1,260,900

FUNDING SOURCES:

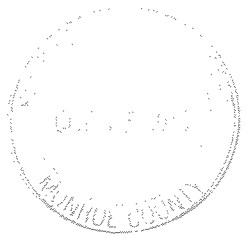
$380,000 TDC grant Phase 2
$265,000 TDC grant Phase 3
$100,000 SFWMD grant
$35,000 Dept of Ag
$76,000 in kind donated materials
$30,000 in kind donated plants/trees
$4,000 Americorp in-kind
$5,000 Arborist in-kind
$30,000 IBI Group in-kind
$30,000 consultants in-kind
$105,075 KWBG operating
$90,000 volunteer hours in-kind
$110,825 KWBGS capital contribution
$1,260,900 total in-kind

Sincerely,

James Taylor
IBI Group, Inc.

1519 Main Street, Sarasota, Florida 34236 USA (941) 954-1718 FAX (941) 954-0231
IBI Group, Inc. is a Division of IBI Group and incorporates the practice of **The RMPK Group**

May 16, 2008



Ms. Amy Kimball-Murley
Planning Director
City of Key West
P.O. Box 1409
Key West, FL 33040

Re: Key West Botanical Garden Addition Phase One Pond – CIP Plan

Dear Ms. Kimball-Murley,

The City Manager's office has examined the plans for the proposed phase one pond and boardwalk improvements on the Addition parcel (RA#72080.0018) and the funding awarded to the Key West Botanical Garden Society, Inc. for this purpose.
KWBGS has been awarded:

TDC grant One	$380,000
TDC grant Two	$265,000
SFWMD grant	$100,000
Dept of Agriculture	$35,000
donated materials	$76,000
donated plants/trees	$30,000
Americorp	$4,000
Arborist services	$5,000
IBI Group	$30,000
consultants	$30,000
KWBG operating	$105,075
volunteer hours in-kind	$90,000
KWBGS capital contribution	$110,825
TOTAL:	$1,260,900

There are sufficient funds to construct the proposed capital improvements on the Botanical Gardens Addition parcel.

Respectfully,

Jim Scholl
City Manager
City of Key West

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

To: Jim Scholl, City Manager

From: Annalise Mannix

CC: Amy Kimball-Murley
Larry Erskin
David Fernandez

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

Date: May 22, 2008

Reference: Key West Botanical Gardens Society

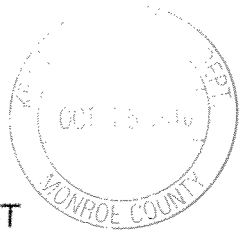
The Key West Botanical Gardens Society has submitted sufficient documentation to me to indicate that the estimated project cost of the pond and 60% of the board walks and planting of species can be accomplished. They are still fundraising for the remainder of the board walks. This is all work to be accomplished on the new site, Phase II.

You are required to approve all capital improvements and their funding plan. I recommend approval, however, I do recommend that they complete the boardwalk in it's entirety and forgo the planning if the remaining required funds are not available or reduce the boardwalk length temporarily while the funding is sought. I believe this is a very small issue and can be taken care of at the time of construction.

The South Florida Water Management Permit to build the lake is required to be signed by the City. To do so we also need a letter stating we will be responsible for the lake in perpetuity. There is concern that this is a significant responsibility of the KWBGS ever fails to maintain the lake. I have reviewed the matter with Amy and Larry and although we all have the same concern it is clear that the Commission did authorize the project, so in response I suspect since there is no indication that the project will fail we should authorize the permit.

The issues that staff had with the permit – which included relocation of trees, hold harmless clauses for future mitigation, hydrologist reports, maintenance of the fill from the lake on the property, etc, have all been addressed to staff satisfaction.

Condition #6



CITY OF KEY WEST LANDSCAPE DEPARTMENT

APPLICATION FOR RIGHT OF WAY IMPROVEMENTS / PLANTING

DATE: April 11, 2008 NEW:____ AFTER-THE-FACT(EXISTING): X

PROPERTY OWNER: City of Key West PHONE: KWBGS 305-296-1504

ADDRESS: 5100 College Rd.

CONTRACTOR: Eco Scapes PHONE: 294-2915 FAX: 294-2168

ADDRESS: 1120 Seminary St CELL:____

LOCATION OF WORK: 5100 College Rd.

DURATION OF WORK: FROM January 2007 TO February 2007

DESCRIPTION OF WORK / MAINTENANCE: Fence and landscaping installed along College Rd. ~~Fourteen~~ Plants were inadvertently planted within the City ROW.

Tree/Plant Species: Sea Grape, Thatch Palm, Buttonwood, Jamaican Caper, Porterweed, Muhly grass

SIGNAGE / FLAGGERS REQUIRED ____YES/NO____ PLANS ATTACHED X YES/NO____
(USE BACK OF FORM FOR PROVIDING DRAWING OR ADDITIONAL INFORMATION)

SIGNATURE: James C. Taylor (TO BE SIGNED AT TIME OF SUBMISSION)

REVIEWED BY:____ DATE:____

STAFF COMMENTS / SPECIFIC INSTRUCTIONS:____

I, _____ hereby agree plantings will be removed as improvements/repairs are necessary and to obey all of the City of Key West requirements for proper repairs and/or traffic maintenance involved with the above described work. Further, Sec.62.31,62.1, it shall be the duty of owners and occupants of property to keep clean the area between their property line and the nearest adjacent paved roadway (including both the swale and sidewalk). This area shall be kept clean and free of weeds, trash, debris and other such obstructions, including garbage cans except as provided in Section 58.31. Any planting must be maintained in such a way as to allow clear passage for pedestrians. Any owner or occupant who, after code enforcement notice, fails to comply with this section, shall, upon conviction, be punished as provided in Section 1.13 of this Code.

INSPECTED FOR COMPLIANCE BY:____ DATE:____

McCOY INDIGENOUS PARK, 1801 WHITE STREET, P. O. BOX 1409, KEY WEST, FLORIDA 33041-1409
PHONE: 305/293-6418 FAX: 305/293-8320
E-MAIL: cdcoogle@keywestcity.com

CITY OF KEY WEST

Engineering Services

R/W PERMIT # _____

[X] AGREEMENT for RIGHT OF WAY IMPROVEMENTS / USE / WORK
[ ] AGREEMENT for MAINTENANCE OF TRAFFIC
[ ] AGREEMENT for SIDEWALK CLOSURE

SECTION I - APPLICATION

DATE: 4-11-08

PROPERTY OWNER: CITY OF KEY WEST — PHONE: 305-296-1504

ADDRESS: 5100 COLLEGE ROAD

CONTRACTOR: ECO SCAPES — PHONE: 294-2168

ADDRESS: 1120 SEMINARY ST. — FAX: _____

LOCATION OF WORK: FENCE AND LANDSCAPING ALONG ROW — MOBILE: _____

DURATION OF WORK/CLOSURE: FROM (DATE): JANUARY 2007 — TIME: _____

TO (DATE): FEBRUARY 2007 — TIME: _____

[ ] RESIDENTIAL PERMITS REQUIRE A DRAWING THAT IS TO SCALE

[X] COMMERCIAL PERMITS REQUIRE ENGINEER/ARCHITECT DRAWING(S)

DESCRIPTION OF WORK/MAINTENANCE: WOOD FENCE WAS INSTALLED ALONG COLLEGE ROAD WITHIN PARCEL BOUNDARY. LANDSCAPING WAS INSTALLED IN FRONT OF FENCE. FOURTEEN PLANTS WERE INADVERTENTLY PLANTED WITHIN THE ROW.

SIGNAGE/ FLAGGERS REQUIRED — YES ____ NO ____

PLANS ATTACHED — YES X NO ____ ON BACK ____

BLDG PERMIT REQUIRED — YES ____ NO ____ # ____

SIGNATURE of APPLICANT James C. Taylor (*PRINT* NAME) JAMES C. TAYLOR

SECTION II - PERMIT

FOR ENGINEERING SERVICES USE ONLY

PLANS for RIGHT OF WAY: [ ] APPROVED [ ] DENIED [ ] N/A

PLANS for TRAFFIC MAINTENANCE: [ ] APPROVED [ ] DENIED [ ] N/A

H.A.R.C. APPROVAL REQUIRED [ ] YES [ ] NO (SIGNATURE) _____

ROAD CLOSURE APPROVAL REQUIRED [ ] YES [ ] NO CITY ENG. (SIGNATURE) _____

BOND DEPOSIT REQUIRED: [ ] YES [ ] NO

REVIEWED by (Print): _____, ENGINEERING SERVICES

STAFF COMMENTS / SPECIFIC INSTRUCTIONS: _____

PERMIT APPROVED by (Sign): _____ DATE: _____

604 SIMONTON ST. ♦ KEY WEST, FL 33040 ♦ PHONE 809-3965 ♦ FAX 809-3978

SECTION III - AGREEMENT

PLEASE NOTE:

1. Any and all excavation work must follow BMP practices as defied by the EPA concerning all stormwater retention (silt screens, hay bales, etc.).

2. Unless specifically approved otherwise, all pavements must be repaired within 48 hours of completion of work or Bond will be withheld.

3 ADA Codes must not be violated during the closure work.

4 ADA specifications shall be ADAAG.

I, (Sign and Print) _____ hereby agree to obey all of the City of Key West requirements for proper repairs and/ or traffic maintenance involved with the above described work, including above stormwater rentention guidelines as defined by the EPA. **I have legal authority to bind the entity to the terms and conditions of this permit.** Maintenance of traffic shall be governed by requirements prescribed by the Florida Department of Transportation regulations. Protection of property, either public or private, shall be governed by City Code (including chapter 62), the requirements of the Standard Building Code, and any specific conditions noted above. **I also agree that forty eight (48) hours prior notification shall be given to all occupants and owners of properties that are in the same block as to when and where the work will be performed.** A deposit in the form of certified funds payable to the City of Key West may be required. The amount required will be sufficient to cover expert repairs or to reimburse the City for improper materials or workmanship should I not comply with the terms of this agreement. The funds will be returned if the inspection of the completed work is satisfactory to Engineering Services.

I further agree to indemnify the City of Key West, its employees, agents, and invitees, from any injuries to person, and/or damage to property as a result of the above described work. This indemnification shall survive the completion of the work described above.

SECTION IV - BONDS

BOND DEPOSIT: $_____ DATE: _____ REC'D BY: _____ RECEIPT #: _____

☐ CASH ☐ CERTIFIED CHECK ☐ MONEY ORDER ☐ INSURANCE BOND

INSPECTED FOR COMPLIANCE BY: _____ DATE: _____

BOND RETURNED: DATE: _____ AMOUNT: $ _____

PERSON RECEIVING BOND REFUND: (sign) _____

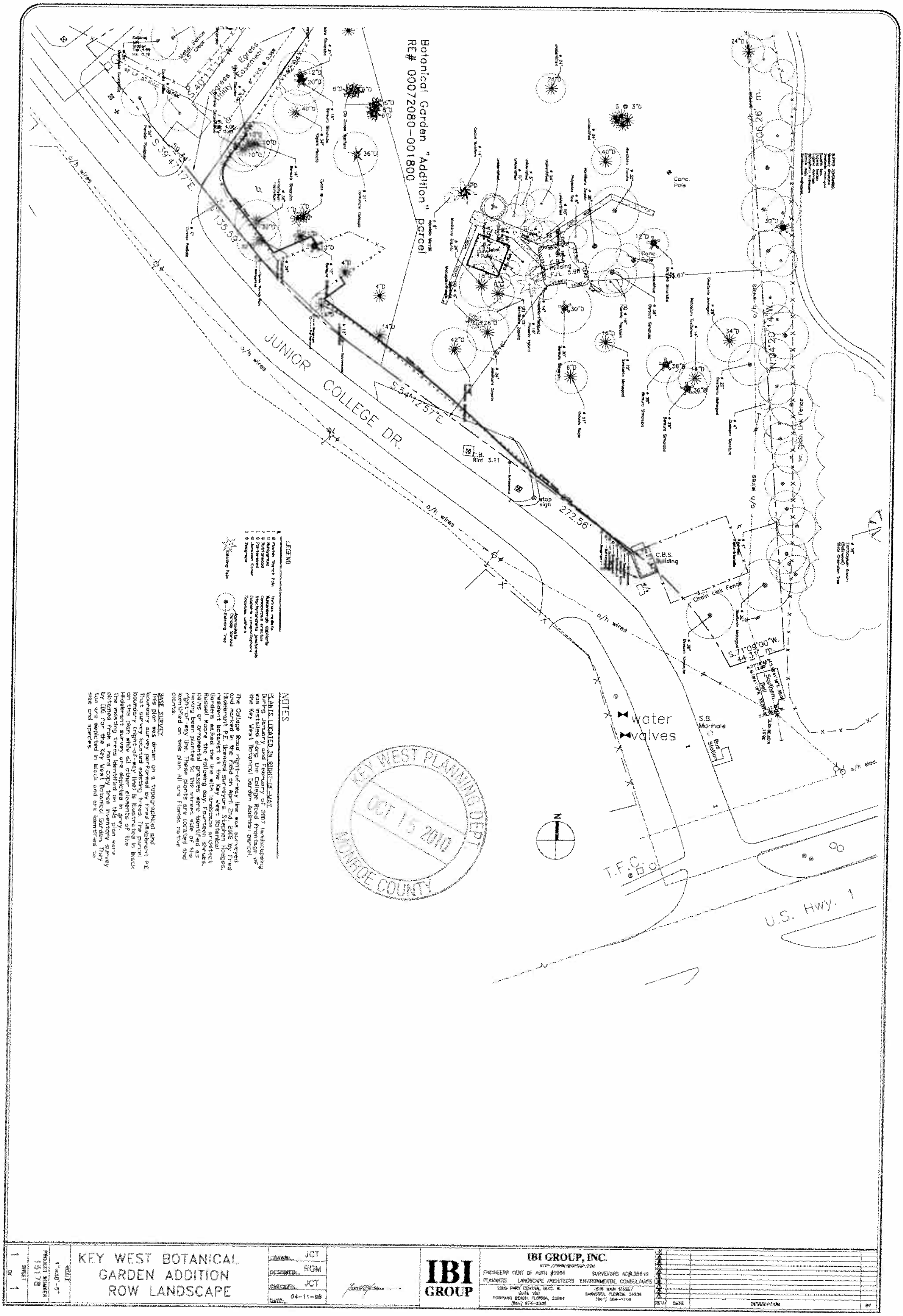
SECTION V - FEES

APPLICATION FEE: $_____

PERMIT FEE: $_____

OTHER FEES: _____ $_____ TOTAL FEES DUE: $ _____

DATE: _____ REC'D BY: _____ RECEIPT #: _____


Botanical Garden "Addition" parcel
RE# 00072080-001800
Ingress Egress Utility Easement
S 40°13'12"W.
S 39°47'17"E.
135.59'
JUNIOR COLLEGE DR.
S.54°12'57"E.
272.56'
o/h wires
C.B. Rim 3.11
stop sign
C.B.S. Building
Chain Link Fence
S.71°09'00"W. 44.31' m.
N.04°20'14"W.
706.26' m.
Conc. Pole
Building F.FL. 5.88
water valves
S.B. Manhole
Bus Station
o/h elec.
T.F.C.
U.S. Hwy. 1
LEGEND
Existing Palm
Approximate Canopy Spread
Existing Tree
NOTES
PLANTS LOCATED IN RIGHT-OF-WAY
During January and February of 2007 landscaping was installed along the College Road frontage of the Key West Botanical Garden Addition parcel.
The College Road right-of-way line was surveyed and marked in the field on April 2nd, 2008 by Fred Hildebrant P.E. licensed surveyor. Stephen Hodges, resident botanist at the Key West Botanical Gardens walked the line with landscape architect Russell Moore the following day. Fourteen shrubs, palms or ornamental grasses were identified as having been planted to the street side of the right-of-way line. These plants are located and identified on this plan. All are Florida native plants.
BASE SURVEY
This plan was drawn on a topographical and boundary survey performed by Fred Hildebrant P.E. That survey located existing trees. The parcel boundary (right-of-way line) is illustrated in black on this plan while all other elements of the Hildebrant survey are depicted in grey. The existing trees identified on this plan were obtained from a hard copy tree inventory survey by IDK for the Key West Botanical Garden. They too are depicted in black and are identified to size and species.
KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY
1 OF 1
SHEET
PROJECT NUMBER 15178
SCALE 1"=30'-0"
KEY WEST BOTANICAL GARDEN ADDITION ROW LANDSCAPE
DRAWN: JCT
DESIGNED: RGM
CHECKED: JCT
DATE: 04-11-08
IBI GROUP
IBI GROUP, INC.
ENGINEERS CERT OF AUTH #2958
SURVEYORS AC#LB5610
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
REV. DATE DESCRIPTION BY

Condition #8

DEVELOPMENT PLAN AND CONDITIONAL USE APPLICATION

City of Key West Planning Department
604 Simonton Street, Key West, FL 33040
(305) 809-3720

KEY WEST PLANNING DEPT
OCT 15
MONROE COUNTY

Authorization Form

Please complete this form if someone other than the owner is representing the property owner in this matter.

I, Jim Scholl, City Manager \ Peter Rysman, President, KWBGS authorize
Please Print Name(s) of Owner(s)

IBI Group, Inc.
Please Print Name of Representative

to be the representative for this application and act on my/our behalf before the City of Key West.

J. K. Scholl
Signature of Owner

Signature of Joint/Co-owner if applicable

Subscribed and sworn to (or affirmed) before me on 19, NOV, 2007 (date) by

Jim Scholl
Please Print Name of Affiant

He/She is personally known to me or has presented ✓ as identification.

Maria G Ratcliff
Notary's Signature and Seal

Maria G Ratcliff Name of Acknowledger printed or stamped

Administrative Assistant Title or Rank

DD642616 Commission Number, if any

MARIA G. RATCLIFF
MY COMMISSION EXPIRES
March 22, 2011
#DD 642616
Bonded thru
Troy Fain-Insurance
NOTARY PUBLIC, STATE OF FLORIDA

DEVELOPMENT PLAN AND CONDITIONAL USE APPLICATION

City of Key West Planning Department
604 Simonton Street, Key West, FL 33040
(305 –809-3720)

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

Development Plan & Conditional Use Application

(Applications will not be accepted until they are complete)

Development Plan	Conditional Use	Historic District
Major X		Yes
Minor		No X

Please print or type and call the Planning Department if you have any questions.

1) Site Address 5210 College Road, Key West, FL 33040

2) Name of Applicant City of Key West, City Manager - Jim Scholl
Key West Botanical Garden Society - Peter Rysman, President

3) Applicant is: Owner _____ Authorized Representative X
(attached Authorization Form must be completed)

4) Address of Applicant City Manager: 525 Angela St. Key West, FL 33040
KWBGS: P.O. Box 2436 Key West, FL 33045

5) Applicant's Phone # City Manager: (305) 809-3877 Fax (305) 809-3886
KWBGS: (305) 797-6099 (305) 296-2242

6) Name of Owner, if different than above _____

7) Address of Owner _____

8) Owner Phone # _____ Fax _____

9) Zoning District of Parcel PS - park/semi-public land RE# _____

10) Is Subject Property located within the Historic District? Yes _____ No X

If Yes: Date of approval _____ HARC # _____

OR: Date of workshop _____ Date of expected approval _____

11) Description of Proposed Development and Use. Please be specific. List existing and proposed buildings and uses, number of dwelling units, parking, restaurant seats, vehicles proposed, etc . If there is more than one use, describe in detail the nature of each use. (Give concise description here and use a separate sheet if necessary)

This parcel leased from the City of Key West to the Key West Botanical Garden Society with funds through the Florida Communities Trust is to be developed as an expansion to the existing tropical forest and botanical garden focusing on native and endangered species and habitats. The project involves the excavation of a portion of the former Navy hospital site to create a freshwater wetland landscaped with native plant species. Public access will be provided through a boardwalk system and crushed stone paths. Also planned for the site are a visitors center serving the Florida Keys Scenic Highway, a welcome center/nature classroom for the Tropical Forest and Botanical Gardens, and required parking, stormwater measures, and other site amenities as illustrated on the development plan.

KEY WEST PLANNING DEPT. OCT 15 2010 MONROE COUNTY

12) Has subject Property received any variance(s)? Yes _____ No X

If Yes: Date of approval _____ Resolution # _____

Attach resolution(s).

13) Are there any easements, deed restrictions or other encumbrances on the subject property?

Yes X No _____ If Yes, describe and attach relevant documents.

The property is subject to conservation easements on behalf of the Florida Communities Trust and the Monroe County Land Authority. See KW Resolution # 04-018

14) A. For *Conditional Uses and Development Plans*, provide the information requested on the attached **Conditional Use and Development Plan** sheet.

B. For *Conditional Uses*, include also the **Conditional Use Criteria** required under Chapter 122, Article III, Sections 122.61 and 122.62 of the Land Development Regulations (copy attached).

C. For *Major Development Plans*, provide also the additional information requested on the **Development Plan Submission Materials** (Sections 108.226 through 108.232 of the Land Development Regulations, copy attached) and other information as determined by the Planning Staff.

Please note, development plan and conditional use approvals are quasi-judicial hearings and it is improper to speak to a Planning Board member or City Commissioner about the project outside of the hearing.

Verification

I, Peter Rysman, President, KWBGS / Jim Scholl, City Manager (please print), being duly sworn, depose and say
Name of Applicant

that I am (check one) the owner_____ / owner(s) legal representative X of the property which is the subject matter of this application. All of the answers to the above questions, drawings, plans and any other attached data to this application, are true and correct to the best of my knowledge and belief and that if not true or correct, are grounds for revocation of any action reliant on said information.

J.K. Scholl
Jim Scholl, City Manager

Peter Rysman, President, KWBGS

Subscribed and sworn to (or affirmed) before me on October 15, 2010 (date) by Jim Scholl (name of affiant, deponent or other signer). He/She is personally known to me or has presented _____ as identification.

Maria G Ratcliff
Notary's Signature and Seal

MARIA G. RATCLIFF MY COMMISSION EXPIRES March 22, 2011 #DD 642616 Bonded thru Troy Fain-Insurance NOTARY PUBLIC, STATE OF FLORIDA

Maria G. Ratcliff
Name of Acknowledger typed, printed or stamped

Administrative Assistant
Title or Rank

DD642616
Commission Number

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

To: Jim Scholl, City Manager

From: Annalise Mannix

CC: Amy Kimball-Murley
Larry Erskin
Joe April

KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY

Date: May 29, 2008

Reference: Executive Summary for Pond Maintenance Agreement and Construction Improvement Plan (CIP) Approval at the Key West Tropical Forest and Garden

ACTION STATEMENT:
Resolution authorizing the City Manager to execute a letter of agreement to maintain a 1.576 acre mitigation pond, wetland and upland hammock in perpetuity at the Key West Tropical Forest and Garden, and approving the $1,260,900 Capital Improvement Plan (CIP) for the boardwalk, pond and landscape project.

PROJECT ISSUE:
The Key West Botanical Gardens Society leases land from the City on Stock Island for the purposes of operating botanical gardens. The KWBGS has a 10 year lease. The KWBGS approached the City of Key West asking for permission, through the planning process, to use the land for creating a lake and boardwalk, in addition to gardens. The Commission gave approval pending City staff investigation if the proposed pond may affect the adjacent golf course pond, as well as a variety of other conditions to be implemented prior to building permitting.

City staff determined that the licensed hydrologist reports are thorough and the proposed pond is not expected to have any negative repercussions. The remaining conditions will be satisfied prior to permitting.

The lease with the KWBGS requires the City Manager to approve any Capital Improvement Plans (CIP). The KWBGS submitted the $1,260,900 plan for the boardwalk, pond and landscaping. Staff analyzed the plans and concluded that the cost estimate is accurate and the plans acceptable. The City Attorney considered the plan and determined that the plan is a significant change to the property and the improvements are not specifically indicated the lease. He recommended that the City Commission authorize the CIP.

Another requirement to complete the project is a South Florida Water Management Permit. The permit requires that if the pond is built it must be maintained. They require a letter stating that the operator/owner will maintain the pond properly in perpetuity. This is a possible liability for the City since the pond could require maintenance if debris enters the pond, or conditions in the pond cause too much or too little growth of vegetation. The operator, KWBGS, has only has a 10 year lease and the City would be responsible for the remainder of perpetuity. Due to this possible long term maintenance requirement the City Manager feels it prudent to obtain City Commission authorization of the agreement.

The $1,260,900 project is funded by the garden and a variety of grants. One grant, a TDC Grant has been extended once already and the District One Advisory Council has indicated they will not authorize an extension of the $380,000 grant if that component is not complete by August. In order to start and complete the project by August, the SFWMD permit must be issued, the contract for construction executed and the construction work complete. **Due to the thorough approval process for the hydrologic study, the Capital Improvement Plan and obtaining legal and staff input for the project has pushed back the permit approval and construction start date causing an urgent need for immediate approval if the project is to move forward.**

OPTIONS:

- Approve the CIP and maintenance letter, by so doing allow the project to move forward.
- Do not authorize either or both and the project will not be performed.

FINANCIAL IMPACT:

Assuming the KWBGS continues its lease to operate the gardens the project will have no added financial burden for the City. If the City ever determines it should operate the gardens there is a possibility that the maintenance of the pond may be slightly more expensive then the maintenance of gardens in its stead. However, maintenance of the gardens may be equal or more expensive due to watering, trimming and re-planting.

Recommendation:

Staff acknowledges that the City Commission has already approved the scope of the project as part of a development plan on the City's property, and therefore assumes the scope of work is desirable. Staff recommends approval of the CIP and execution of the maintenance letter.

Florida Department of Environmental Protection

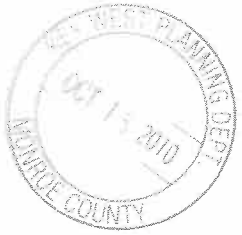
South District Branch Office
2796 Overseas Highway Suite 221
Marathon, FL 33050

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

November 16, 2007



IBI Group
Attn: James Taylor
1519 Main Street
Sarasota, FL 33050

Re: Monroe County - ERP
Florida Keys EMA
Key West Botanical Gardens

Dear Mr. Taylor:

This letter is in response to your request for a letter of coordination regarding the above referenced property dated October 26, 2007, received by the Department November 5, 2007. A review of your submittal indicates that the proposed construction activities may require permits from the South Florida Water Management District (SFWMD).

The Department and the Water Management districts have executed Operating Agreements that divide responsibilities for processing environmental resource permit applications in accordance with the type of activity involved. This division of responsibilities is summarized in Attachment 1 of the *"Joint Application for Environmental Resource Permit/Authorization to use Sovereign Submerged State Lands/Federal Dredge and Fill Permit"* booklet.

It appears your proposal should be processed by the South Florida Water Management District. Please submit your application to the following address:

South Florida Management District
P. O. Box 24680
West Palm Beach, Florida 33416-4680

If you have any questions regarding the application you may contact Barb Conmy of the SFWMD at (561) 686-8800. If you have any additional questions you may contact me at the

letterhead address or by telephone at (305) 289-2310 or via E-mail at Bruce.Franck@dep.state.fl.us.

Sincerely,

Bruce Franck

Bruce Franck
Environmental Manager
Submerged Lands and
Environmental Resources Program

BF/bf

COPY

IBI GROUP

PLANNING DEPT
OCT 15 AM
MONROE COUNTY

Environmental Resource Regulation
Application No.: 060711-17
Re: Mitigation at Key West Botanical Garden, Monroe County, S22/T67S/R26E

October 15, 2007

Robert Hopper
South Florida Water Management District
Natural Resource Management Division
3301 Gun Club Road
West Palm Beach, FL 33406

Dear Mr. Hopper:

Per the letter dated June 11, 2007 from Perez Engineering to SFWMD, the permit application for mitigation at the Key West Botanical Garden was withdrawn. The withdrawn application was specifically for mitigation of the proposed Big Coppitt Commercial Center on the site of Key West Botanical Garden.

The applicant has decided to pursue a permit to develop a wetland that will be used for future mitigation. The drawings for the proposed mitigation area are attached as part of our enclosed permit application.

This project will provide a unique opportunity to expand and construct fresh water features that have been part of the history of the City of Key West. These important features inherent to the Keys' ecosystem have been almost completely lost to development. This pond and littoral wetland will feature species of plants that are documented as native to Key West by the Institute for Regional Conservation during the 10-year Floristic Inventory of South Florida. The pond and wetland will grade into native upland tropical hammock vegetation and will feature some rare species historically typical of Key West. The pond, wetland, and adjacent upland will create significant new habitat for wetland and upland invertebrates and resident migratory birds.

The ecological goals of this project are to create and maintain a wetland community structure that provides functional wetlands habitat through overall species composition, species diversity, wildlife utilization, and natural wetlands successional processes. The plans feature a freshwater pond and littoral wetland with vegetation capable of surviving and responding to periodic changes of brackish and salt water such as that experienced during tropical cyclone events and extreme high tides.

Please contact me with any questions about this submittal. We look forward to your response.

Sincerely,
IBI GROUP, INC.

D. Walker Dunn, MURP

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

KEY WEST PLANNING DEPT
OCT 15 2007
MONROE COUNTY

APPLICANT TRANSMITTAL FOR REQUESTED ADDITIONAL INFORMATION

(One copy of this form must be included with the 4 sets of information submitted concerning a pending permit application for an Environmental Resource, Surface Water Management or Water Use Permit.)

For submittal addresses, see page 2.

Application #: 060711-17 **ER** ☒ **SW** ☐ **WU** ☐

Project Name: Mitigation at Key West Botanical Garden

Project Location: **County** Monroe **S**22/**T**67S/**R**26E

Reviewer's Name: Robert Hopper

Date: 10/15/07

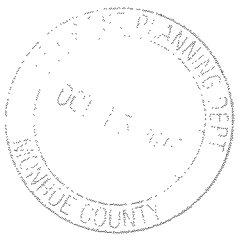
Information included in response:

		Additional	Revised
1.	Response Letter to Request for Additional Information	☐	☒
2.	Check copy for $2,000 for Standard General Environmental Resource Permit	☒	☐
3.	Drawings for Key West Botanical Gardens Proposed Conservation Area	☐	☒
4.	Sketch and Legal Description for Mitigation Area	☐	☒
5.	Grant Award Agreement by FCT and KWBG	☒	☐
6.	Request for Additional Information Letter issued by SFWMD 1/11/07	☒	☐
7.	Hydrological Assessment of Site (1/22/06)	☒	☐
8.	Lease Agreement:KWBG Society and City of Key West (one copy provided)	☒	☐
9.	Mitigation Monitoring Plan	☒	☐
10.	Project Schedule	☒	☐

Respondent Signature

Projects in the following counties should respond to the corresponding SFWMD Service Center:

Broward, Miami-Dade, Monroe and Palm Beach
SFWMD
Regulatory Information Management Division
P.O. Box 24680
West Palm Beach, FL 33416-4680



Charlotte, Hendry and Lee
SFWMD - Lower West Coast Regional Service Center
2301 McGregor Blvd.
Ft. Myers, FL 33901

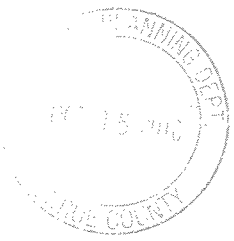
Collier
SFWMD - Big Cypress Basin Regional Service Center
2640 Golden Gate Parkway, Suite 205
Naples, FL 34105

Orange, Osceola and Polk
SFWMD – Orlando Regional Service Center
1707 Orlando Central Parkway, Suite 200
Orlando, FL 32809

Glades, Highlands and Okeechobee
SFWMD – Okeechobee Regional Service Center
205 North Parrot Avenue, Suite 201
Okeechobee, Florida 34972

Martin & St. Lucie
SFWMD - Martin/St. Lucie Service Center
780 SE Indian Street
Willoughby Crossroads Plaza
Stuart, FL 34997

IBI GROUP



Environmental Resource Regulation
Application No.: 060711-17
Re: Response Letter to Request for Additional Information (1/11/07)

October 15, 2007

Robert Hopper
South Florida Water Management District
Natural Resource Management Division
3301 Gun Club Road
West Palm Beach, FL 33406

Dear Mr. Hopper,

Barbara Conmy (SFWMD) advised us on March 5, 2007 that there was no need to submit a new application. The responses to the request for additional information (issued by SFWMD on 1/11/07) have been provided below:

1. As previously requested, please provide the required application fee of $2,000.00 for a Standard General Environmental Resource Permit (ERP).
   Response: The client has sent payment for $2,000 on October 10. Please see enclosed check copy #3819.

2. The response indicates that the City of Key West is the owner of the property, and the Key West Botanical Garden Society is the lessee. Please provide a copy of the actual lease document. The District cannot issue permits to a lessee unless the terms of the lease grant the lessee the right to obtain permits on behalf of the owner. Otherwise, please revise the application form to include the City of Key West as a co-applicant and provide a signature page executed by an appropriate authority of the City of Key West.
   Response: The owner of the property is City of Key West and the lessee is Key West Botanical Garden Society. A copy of the lease has been included with this submittal, which includes the terms granting lessee the right to obtain permits on behalf of the owner.

3. As this project is mitigation for the Big Coppitt Commercial Center project (application 060711-21), this permit must be issued to both 6-7-8-US 1, LLC and the Key West Botanical Garden Society/The City of Key West. Both parties will be held responsible for execution and success of the mitigation activities. As previously requested, please provide a signed application form for this project from 6-7-8-US 1, LLC, and a signed statement from both parties acknowledging their responsibility to create, monitor and maintain the proposed mitigation area. Once the project has met the success criteria, and the monitoring period is ended, the responsibility for the mitigation area can then be transferred to the Key West Botanical Garden Society/The City of Key West.

Response: This project is no longer mitigation for the Big Coppitt Commercial Center. Therefore it is not necessary for both parties to be responsible for execution and success of the mitigation activities.

4. Is any part of the pond project being constructed or planted with funds obtained from Florida Communities Trust? If so, this project cannot be used as mitigation for wetland impacts, as the work would be conducted anyway at the taxpayer's expense. If this project was not included in the grant application, or goes above and beyond the expectations of the FCT approved plans, then the project can be used as mitigation for the private development project, with additional mitigation provided to offset the cost of land.
Response: Part of this restoration project is being constructed with funds obtained from Florida Communities Trust. The proposal to expand and construct freshwater features of historical significance goes beyond the original expectations of the FCT Grant Award Agreement. Please see attached Grant Award Agreement between Florida Communities Trust and Key West Botanical Gardens.

5. Although the proposed mitigation area is within an existing conservation easement to Monroe County, that easement does not grant any rights to SFWMD for enforcement of the permit conditions. Please prepare an executed draft conservation easement with corresponding sketch and legal description for the mitigation area. Please provide a signed draft conservation easement with corresponding sketch and legal description (to be recorded no later than sixty (60) days after permit issuance) in order to have reasonable assurance that the mitigation area will be adequately protected. A copy of the District's standard form (for m1190) can be found on our website at www.sfwmd.gov. Please note that any changes to the approved document will require review and approval by the District's legal staff.
Response: The City Manager of Key West is in the process of reviewing the conservation easement deed. It will be provided later when it becomes available. However, a sketch and legal description of the area has been included with this submittal.

6. What is the area (in square feet) of the area planted as a wetland (not including proposed hardscape features or open water)? What is the size of the proposed open water area? Please provide these labels on at least one of the plans. Please revise the plan to maximize the wetland area by expanding littoral shelves in width and reducing the open water area. Other planned features, such as open water, trails and hardscape cannot be considered as mitigation because they do not replace the habitat that is proposed to be filled. Based on a UMAM assessment of the proposed mitigation plan, there needs to be at least 0.67 acres (29,000 square feet) of wetland area associated with the pond to offset the impacts associated with the Big Coppitt Commercial Center. Because this is mitigation for a private entity on publicly owned lands, an additional 30% is required to account for the fact that the developer does not have to provide land for the mitigation project. Therefore, based on the submitted plan, the wetland area needed is 0.87 acres or about 37,900 square feet.
Response: The area of the area planted as a wetland (not including proposed hardscape features or open water) is 0.18 acres (or 7,841 square feet). The size of the proposed open water area is 0.25 acres (or 10,890 square feet). These areas have been included in site data table on the grading plan. As for the 30% additional requirement, the project is no longer creating mitigation area to offset impact of Big Coppitt Commercial Center.

7. Please label the datum for the elevations given on the grading plan and cross sections.
Response: The datum for the elevations given on grading plan and cross sections have been labelled on Sheets KWBG-002 and KWBG-004.

8. Please explain the temporary diversion berm shown in section F. Will the two ponds ultimately be connected or will this berm remain in place? What is the top elevation of the berm? When will this berm be removed?
Response: The temporary diversion berm shown in section F has been deleted from Sheet KWBG-004.

9. Pursuant to Section 4.3.7 of the Basis of Review, applicants proposing mitigation must provide proof of financial responsibility for the mitigation activities, management, monitoring and any potential corrective action which may be required. Proof of financial responsibility may be provided in the form of a cash bond, letter of credit, trust fund or other acceptable mechanism in an amount equal to 110% of the cost estimate. Please provide a draft of the proposed financial responsibility document for staff review and approval.
Response: Carolann Sharkey from Key West Botanical Garden Society will provide proof of financial responsibility in the form of 1) copies of grant funds awards and, 2) a letter from their bank covering the amount of $449,133 x 110% = $494,047.00.

A copy of the enclosed "Transmittal Form for Requested Additional Information" is attached to each of the required FOUR copies of the requested information.

Sincerely,
IBI GROUP, INC.

D. Walker Dunn, MURP

CC: James Taylor (IBI Group)
Carolann Sharkey (Key West Botanical Garden Society)

KEY WEST BOTANICAL
GARDEN SOCIETY, INC.
GENERAL ACCOUNT
P.O. BOX 2436
KEY WEST, FL 33045-2436

KEYS FEDERAL CREDIT UNION
P.O. BOX 1898
KEY WEST, FL 33041-1898
www.keysfcu.org
63-7955/2670

3819

10/11/2007

PAY TO THE ORDER OF South Florida Water management District $ **2,000.00

Two Thousand and 00/100********** DOLLARS

South Florida Water Management District
Attn: Barbara Comny, Robert Hopper
Natural Resource Management Dept
3301 Gun Club Road
MEMO West Palm Beach, FL 33406
App # 060711-17 Std General Environ Resource Per

TWO SIGNATURES REQUIRED OVER $1000

⑈003819⑈ ⑆267079557⑆ 2335980⑈

KEY WEST BOTANICAL/GARDEN SOCIETY, INC./GENERAL ACCOUNT 3819

South Florida Water management District		10/11/2007	
Construction Projects Expenses:TDC 22	Standard General Environmental Resource Permit		2,000.00

FLAGLER STATION POST OFFICE
KEY WEST, Florida
330403931
1158540041 -0098
10/10/2007 (305)296-7327 05:01:30 PM

Sales Receipt

Product Description	Sale Qty	Unit Price	Final Price
WEST PALM BEACH FL 33406 Zone-2 First-Class Letter 0.50 oz.			$0.41
Return Rcpt (Green Card)			$2.15
Certified			$2.65
Label #:	70070710000324916595		
Issue PVI:			$5.21
Total:			$5.21

Paid by:
Cash $10.26
Change Due: -$5.05

Order stamps at USPS.com/shop or call 1-800-Stamp24. Go to USPS.com/clicknship to print shipping labels with postage.
For other information call 1-800-ASK-USPS.

Bill#: 1000202206412
Clerk: 08

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Refunds for guaranteed services only.
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WEST PALM BEACH FL 33406

Postage	$0.41
Certified Fee	$2.65
Return Receipt Fee (Endorsement Required)	$2.15
Restricted Delivery Fee (Endorsement Required)	$0.00
Total Postage & Fees	$5.21

0041 WEST PALM BEACH FL 33406 OCT 10

10/10/2007 USPS

Sent To: SFWMD
Street, Apt. No.; or PO Box No.
City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

IBI GROUP

IBI GROUP, Inc.
AUTHORIZATION # LB 5810
ENGINEERS SURVEYORS PLANNERS
LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
2200 PARK CENTRAL BLVD. N. SUITE 100 POMPANO BEACH, FLORIDA, 33064 (954) 974-2200
2603 MAITLAND CENTER PARKWAY SUITE C MAITLAND, FLORIDA, 32751 (407) 660-2120

MONROE COUNTY

LEGAL DESCRIPTION: MITIGATION AREA ONE

Being a part of land located on Stock Island, Monroe County, Florida, and being more particularly described as follows:

COMMENCING at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coordinates a point of Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; Thence North 70°40'03" East along said Northerly Right-of-Way Line of U.S. Highway No. 1, a distance of 21.39 feet; Thence North 04°20'14" West, a distance of 585.66 feet; Thence South 85°39'46" West, a distance of 36.52 feet to the POINT OF BEGINNING; Thence South 58°11'42" West, a distance of 158.69 feet; Thence North 31°48'18" West, a distance of 27.14 feet; Thence South 58°11'42" West, a distance of 87.80 feet; Thence North 31°48'24" West, a distance of 172.67 feet; Thence North 58°07'39" East, a distance of 170.92 feet; Thence South 80°37'22" East, a distance of 43.54 feet; Thence South 65°23'24" East, a distance of 77.22 feet; Thence South 31°50'56" East, a distance of 107.01 feet to the POINT OF BEGINNING.

Containing 1.006 acres (43,821 square feet), more or less.

Subject to existing easements, rights-of-way, covenants, reservations and restrictions of record, if any.

Said lands situate, lying and being in the City of Key West, Monroe County, Florida.

J:\15178\5.9 Drawings\59consult\conservation_easement.dwg

NOTES: *(NOT A SURVEY-SKETCH AND DESCRIPTION ONLY)*

1. UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
2. LANDS SHOWN HEREON WERE NOT ABSTRACTED BY IBI GROUP, INC. FOR EASEMENTS AND RIGHTS-OF-WAY OF RECORD.
3. DATA SHOWN HEREON WAS COMPILED FROM OTHER INSTRUMENTS AND DOES NOT CONSTITUTE A FIELD SURVEY.
4. BEARINGS ARE ASSUMED, THE NORTHERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 1 BEARING N 70°40'03" E.
5. IBI GROUP, INC'S CERTIFICATE OF AUTHORIZATION No. 5610, IS ISSUED BY THE FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION.

CERTIFICATION:

I HEREBY CERTIFY that the attached Sketch and Description is true and correct to the best of my knowledge and belief and that it meets the Minimum Technical Standards set forth by the Florida Board of Professional Surveyors And Mappers in Chapter 61G17-6, Florida Administrative Code.

For The Firm:
IBI Group, Inc.

JAMES A. HAMILTON, III, P.S.M
PROFESSIONAL SURVEYOR and MAPPER #3406 STATE OF FLORIDA

REVISIONS	DATE	BY

DATE:	DRAWN BY	CHECKED BY	FIELD BOOK
10/03/07	BF	JAH	N/A

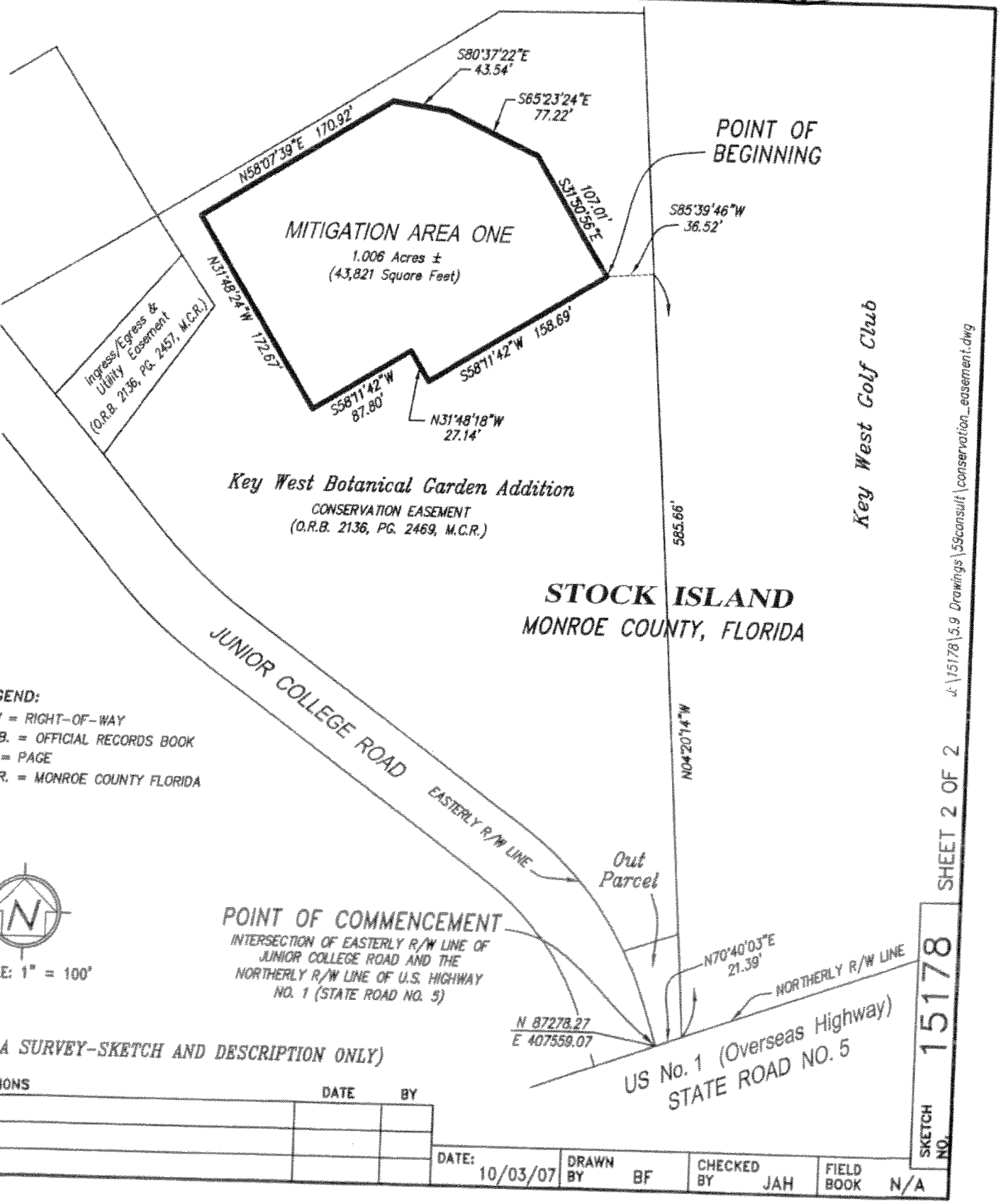
SHEET 1 OF 2

SKETCH NO. 15178

IBI GROUP

IBI GROUP, Inc.
AUTHORIZATION # LB 5610
ENGINEERS SURVEYORS PLANNERS
LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
2200 PARK CENTRAL BLVD. N. SUITE 100 POMPANO BEACH, FLORIDA, 33064 (954) 974-2200
2603 MAITLAND CENTER PARKWAY SUITE C MAITLAND, FLORIDA, 32751 (407) 660-2120

PLANNING DEPT. OCT 15 2010 MONROE COUNTY



LEGEND:
R/W = RIGHT-OF-WAY
O.R.B. = OFFICIAL RECORDS BOOK
PG. = PAGE
M.C.R. = MONROE COUNTY FLORIDA

SCALE: 1" = 100'

(NOT A SURVEY-SKETCH AND DESCRIPTION ONLY)

REVISIONS	DATE	BY

DATE: 10/03/07	DRAWN BY BF	CHECKED BY JAH	FIELD BOOK N/A

SKETCH NO. 15178

SHEET 2 OF 2

x:\15178\5.9 Drawings\59consult\conservation_easement.dwg

ATTACHMENT B

Doc# 153 18
Bk# 2136 Pg# 2457

This document prepared by:
Kristen L. Coons, Esq.
Florida Communities Trust
Department of Community Affairs
2555 Shumard Oak Blvd.
Tallahassee, FL 32399

Record and Return To:

FLORIDA COMMUNITIES TRUST
FF3 AWARD # 03-034-FF3
KEY WEST BOTANICAL GARDENS
FCT Contract#~~04~~06-CT-9G-03-F3-J1-034

GRANT AWARD AGREEMENT

THIS AGREEMENT is entered into this 25th day of July, 2005, by and between the FLORIDA COMMUNITIES TRUST ("FCT"), a nonregulatory agency within the State of Florida Department of Community Affairs, and [name of recipient], a political subdivision of the State of Florida ("Recipient"), in order to impose terms, conditions, and restrictions on the use of the proceeds of certain bonds, hereinafter described, and the lands acquired with such proceeds and as described in Exhibit "A" attached hereto and made a part hereof ("Project Site"), as shall be necessary to ensure compliance with applicable Florida Law and federal income tax law and to otherwise implement provisions of Chapters 259.105, 259.1051, and 380, Florida Statutes.

WHEREAS, Part III Chapter 380, Florida Statutes, the Florida Communities Trust Act, creates a nonregulatory agency within the Department of Community Affairs, which will assist local governments in bringing into compliance and implementing the conservation, recreation and open space, and coastal elements of their comprehensive plans or in conserving natural resources and resolving land use conflicts by providing financial assistance to local governments and nonprofit environmental organizations to carry out projects and activities authorized by the Florida Communities Trust Act;

WHEREAS, Section 259.105(3)(c), F.S., of the Florida Forever Act provides for the distribution of twenty- two percent (22%) less certain reductions of the net Florida Forever Revenue Bond proceeds to the Department to provide land acquisition grants to local governments and nonprofit environmental organizations through the FCT for acquisition of community-based projects, urban open spaces, natural resource conservation areas, parks, greenways and outdoor recreation areas to implement local comprehensive plans;

WHEREAS, the Bonds were issued as tax-exempt bonds, meaning that the interest on the Bonds is excluded from the gross income of Bondholders for federal income tax purposes;

WHEREAS, Rule Chapter 9K-7, Florida Administrative Code (F.A.C.), authorizes FCT to impose conditions for funding on those FCT applicants whose projects have been selected for funding in accordance with Rule Chapter 9K-7, F.A.C.;

WHEREAS, the FCT has approved the terms under which the Project Site is acquired and the deed whereby the Recipient acquires title to the Project Site shall contain such covenants and restrictions as are sufficient to ensure that the use of the Project Site at all times complies with Section 375.051, Florida Statutes and Section 9, Article XII of the State Constitution and shall contain clauses providing for the conveyance of title to the Project Site to the Board of Trustees of the Internal Improvement Trust Fund upon the failure of the Recipient to use the Project Site acquired thereby for such purposes; and

WHEREAS, such covenants and restrictions shall be imposed by an agreement which shall describe with particularity the real property which is subject to the agreement and shall be recorded in the county in which the real property is located; and

WHEREAS, the purpose of this Agreement is to set forth the covenants and restrictions that are imposed on the Project Site subsequent to its acquisition with the FCT Florida Forever Bond award.

NOW THEREFORE, in consideration of the mutual covenants and undertakings set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, FCT and Recipient do hereby contract and agree as follows:

I. GENERAL CONDITIONS

1. Upon execution and delivery by the parties hereto, the Recipient shall cause this Agreement to be recorded and filed in the official public records of **Monroe County, Florida,** and referenced in the warranty deed vesting fee simple title to the Project Site in the Recipient, and in such manner and in such other places as FCT may reasonably request, and shall pay all fees and charges incurred in connection therewith.

2. The Recipient and FCT agree that the State of Florida Department of Environmental Protection will forward this Agreement to Department of Environmental Protection Bond Counsel for review. In the event Bond Counsel opines that an amendment is required to this Agreement so that the tax exempt status of the Florida Forever Bonds is not jeopardized, FCT and Recipient shall amend the Agreement accordingly.

3. This Agreement may be amended at any time. Any amendment must be set forth in a written instrument and agreed to by both the Recipient and FCT.

4. This Agreement and the covenants and restrictions contained herein shall run with the Property herein described and shall bind, and the benefits shall inure to, respectively, the FCT and the Recipient and their respective successors and assigns.

5. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida, with respect to both substantive rights and with respect to procedures and remedies.

6. Any notice required to be given hereunder shall be given by personal delivery, by registered mail or by registered expedited service at the addresses specified below or at such other addresses as may be specified in writing by the parties hereto, and any such notice shall be deemed received on the date of delivery if by personal delivery or expedited delivery service, or upon actual receipt if sent by registered mail.

FCT: Florida Communities Trust
Department of Community Affairs
2555 Shumard Oak Blvd.
Tallahassee, FL 32399-2100
ATTN: Program Manager

Recipient: City of Key West
P.O. Box 1409
Key West, Fl
33041
ATTN: Roger Wittenberg

7. If any provision of the Agreement shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired.

II. PROJECT SITE REQUIREMENTS IMPOSED BY CHAPTER 259, CHAPTER 375, AND CHAPTER 380, PART III, FLORIDA STATUTES

1. If any essential term or condition of this grant agreement is violated by the Recipient or by some third party with the knowledge of the Recipient and the Recipient does not correct the violation within 30 days of notice of the violation, fee simple title to all interest in the Project Site shall be conveyed to the Board of Trustees of the Internal Improvement Trust Fund. The FCT shall treat such property in accordance with Section 380.508(4)(e), Florida Statutes.

2. Any transfer of the Project Site shall be subject to the approval of FCT and FCT shall enter into a new agreement with the transferee, containing such covenants, clauses, or other restrictions as are sufficient to protect the interest of the people of Florida.

3. The interest, if any, acquired by the Recipient in the Project Site will not serve as security for any debt of the Recipient unless FCT approves the transaction.

4. If the existence of the Recipient terminates for any reason, title to all interest in real property it has acquired with the FCT award shall be conveyed to the Board of Trustees of the Internal Improvement Trust Fund, unless FCT negotiates an agreement with another local government or nonprofit organization which agrees to accept title to all interest in and to manage the Project Site.

5. In the event that the Project Site is damaged or destroyed or title to the Project Site, or

any part thereof, is taken by any governmental body through the exercise or the threat of the exercise of the power of eminent domain, the Recipient shall deposit with the FCT any insurance proceeds or any condemnation award, and shall promptly commence to rebuild, replace, repair or restore the Project Site in such manner as is consistent with the Agreement. The FCT shall make any such insurance proceeds or condemnation award moneys available to provide funds for such restoration work. In the event that the Recipient fails to commence or to complete the rebuilding, repair, replacement or restoration of the Project Site after notice from the FCT, the FCT shall have the right, in addition to any other remedies at law or in equity, to repair, restore, rebuild or replace the Project Site so as to prevent the occurrence of a default hereunder.

Notwithstanding any of the foregoing, FCT will have the right to seek specific performance of any of the covenants and restrictions of this Agreement concerning the construction and operation of the Project Site.

III. PROJECT SITE OBLIGATIONS IMPOSED BY FCT ON THE RECIPIENT

1. The Project Site shall be managed only for the conservation, protection and enhancement of natural and historical resources and for passive, natural resource-based public outdoor recreation which is compatible with the conservation, protection and enhancement of the Project Site, along with other related uses necessary for the accomplishment of this purpose. The proposed uses for the Project Site are specifically designated in the Project Plan as approved by FCT.

2. The Recipient shall prepare and submit to FCT an annual stewardship report as required by Rule 9K-7.013, F.A.C.

3. The Recipient shall ensure that the future land use designation assigned to the Project Site is for a category dedicated to open space, conservation, or outdoor recreation uses as appropriate. If an amendment to the Recipient's comprehensive plan is required to comply with this paragraph, the amendment shall be proposed at the next comprehensive plan amendment cycle available to the Recipient.

4. Recipient shall ensure, and provide evidence thereof to FCT, that all activities under this Agreement comply with all applicable local, state, regional and federal laws and regulations, including zoning ordinances and the adopted and approved comprehensive plan for the jurisdiction as applicable. Evidence shall be provided to FCT that all required licenses and permits have been obtained prior to the commencement of any construction.

5. The Recipient shall, through its agents and employees, prevent the unauthorized use of the Project Site or any use thereof not in conformity with the FCT approved project plan.

6. FCT staff or its duly authorized representatives shall have the right at any time to inspect the Project Site and the operations of the Recipient at the Project Site.

7. All buildings, structures, improvements, and signs shall require the prior written approval of FCT as to purpose. Further, tree removal, other than non-native species, and/or major

land alterations shall require the written approval of FCT. The approvals required from FCT shall not be unreasonably with-held by FCT upon sufficient demonstration that the proposed structures, buildings, improvements, signs, vegetation removal or land alterations will not adversely impact the natural resources of the Project Site. The approval by FCT of the Recipient's management plan addressing the items mentioned herein shall be considered written approval from FCT.

8. If archaeological and historic sites are located on the Project Site, the Recipient shall comply with Chapter 267, Florida Statutes. The collection of artifacts from the Project Site or the disturbance of archaeological and historic sites on the Project Site will be prohibited unless prior written authorization has been obtained from the Department of State, Division of Historical Resources.

9. The Recipient shall ensure that the Project Site is identified as being publicly owned and operated as a passive, natural resource-based public outdoor recreational site in all signs, literature and advertising regarding the Project Site. The Recipient shall erect a sign(s) identifying the Project Site as being open to the public and as having been purchased with funds from FCT and Recipient.

IV. OBLIGATIONS INCURRED BY RECIPIENT AS A RESULT OF BOND PROCEEDS BEING UTILIZED TO PURCHASE THE PROJECT SITE

1. If the Project Site is to remain subject, after its acquisition by the State and the Recipient, to any of the below listed activities or interests, the Recipient shall provide at least 60 days written notice of any such activity or interest to FCT prior to the activity taking place, and shall provide to FCT such information with respect thereto as FCT reasonably requests in order to evaluate the legal and tax consequences of such activity or interest:

a. any lease of any interest in the Project Site to a non-governmental person or organization;

b. the operation of any concession on the Project Site to a non-governmental person or organization;

c. any sales contract or option to buy things attached to the Project Site to be severed from the Project Site, with a non-governmental person or organization;

d. any use of the Project Site by non-governmental persons other than in such person's capacity as a member of the general public;

e. a management contract of the Project Site with a non-governmental person or organization; and

f. such other activity or interest as may be specified from time to time in writing by FCT to the Recipient.

2. Recipient agrees and acknowledges that the following transaction, events, and

circumstances may not be permitted on the Project Site as they may have negative legal and tax consequences under Florida law and federal income tax law:

a. a sale of the Project Site or a lease of the Project Site to a non-governmental person or organization;

b. the operation of a concession on the Project Site by a non-governmental person or organization;

c. a sale of things attached to the Project Site to be severed from the Project Site to a non-governmental person or organization;

d. any change in the character or use of the Project Site from that use expected at the date of the issuance of any series of bonds from which the disbursement is to be made;

e. any use of the Project Site by non-governmental persons other than in such person's capacity as a member of the general public;

f. a management contract of the Project Site with a non-governmental person or organization; and

g. such other activity or interest as may be specified from time to time in writing by FCT to the Recipient.

DELEGATIONS AND CONTRACTUAL ARRANGEMENTS BETWEEN THE RECIPIENT AND OTHER GOVERNMENTAL BODIES, NOT FOR PROFIT ENTITIES, OR NON GOVERNMENTAL PERSONS FOR USE OR MANAGEMENT OF THE PROJECT SITE WILL IN NO WAY RELIEVE THE RECIPIENT OF THE RESPONSIBILITY TO ENSURE THAT THE CONDITIONS IMPOSED HEREIN ON THE PROJECT SITE AS A RESULT OF UTILIZING BOND PROCEEDS TO ACQUIRE THE PROJECT SITE ARE FULLY COMPLIED WITH BY THE CONTRACTING PARTY.

V. CONDITIONS THAT ARE PARTICULAR TO THE PROJECT SITE AS A RESULT OF THE FCT APPROVED MANAGEMENT PLAN

The management plan for the Project Site is mentioned throughout this Agreement, and is particularly described in Section IV. above. In addition to the various conditions already described in this Agreement, which apply to all sites acquired with FCT funds, the Management Plan shall address the following conditions that are particular to the Project Site and result from either representations made in the application that received scoring points or observations made by the FCT staff during the site visit described in Rule 9K-7.009(1), F.A.C.:

1. Two or more resource-based outdoor recreational facilities including covered picnic pavilion and walking trails and two or more user-oriented outdoor recreation facilities including a playground and gaming tables shall be provided at the Project Site. The facilities shall be

designed and located with minimal impact to natural resources on the Project Site.

2. A permanent recognition sign shall be maintained in the entrance area of the Project Site. The sign shall acknowledge that the Project Site is open to the public and was purchased with funds from the Florida Communities Trust and the City of Key West.

3. Interpretive signage shall be provided to educate visitors about the natural environment and unique history of the Project Site.

4. At least 24 environmental education classes or programs shall be conducted annually at the Project Site by trained educators or resource professionals.

5. A staffed nature center that provides year- round education programming shall be established on the Project Site.

6. The canopy trees on the Project Site shall be preserved and appropriately managed to ensure the long-term viability of the trees.

7. The Project Site shall be managed in a manner that protects and enhances habitat for native wildlife species that utilize or could potentially utilize the site, including the Stock Island tree snail. The development of the management plan shall be coordinated with the Fish and Wildlife Conservation Commission=s Office of Environmental Services to ensure the preservation and viability of native wildlife species and their habitat. Periodic surveys shall be conducted to ensure that site management is compatible with the listed species using the Project Site.

8. The water quality of Florida Bay adjacent to the Project Site shall be protected and enhanced. The City shall implement a plan to improve water quality in the area including the removal of several existing structures and asphalt parking areas.

9. Any proposed stormwater facility for the Project Site shall be designed to provide recreational open space or wildlife habitat.

10. Approximately 4 acres, shall be landscaped with native plant species to enhance the function and appearance of the Project Site.

11. An ongoing monitoring and control program for invasive vegetation including exotic (non-native) and nuisance native plant species shall be implemented at the Project Site. The objective of the control program shall be the elimination of invasive exotic plant species and the maintenance of a diverse association of native vegetation. The Management Plan shall reference the Exotic Pest Plant Council's List of Florida's Most Invasive Species to assist in identifying invasive exotics on the Project Site.

12. A feral animal removal program shall be developed and implemented, as necessary, for dogs, cats, ducks, and other non-native wildlife that may be found on the Project Site.

13. Prior to the commencement of any proposed development activities, measures shall be taken to determine the presence of any archaeological sites. All planned activities involving known archaeological sites or potential site areas shall be closely coordinated with the Department of State, Division of Historic Resources in order to prevent the disturbance of significant sites.

14. The location and design of the parking and other site improvements shall have minimal impact on natural resources. The parking area shall incorporate pervious material wherever feasible.

15. Pedestrian and bicycle access to the Project Site shall be promoted through the provision of pedestrian oriented walkways and bicycle facilities that link the Project Site with City sidwalk and bike trail network.

16. The Project Site shall be managed as an addition to the Key West Botanical Gardens.

17. The Project Site shall be developed and managed as a support parcel of the Overseas Heritage Trail recreational trail system and include trailhead facilities.

18. The Project Site shall be protected and managed as part of linked conservation lands and recreation opportunities along the Florida Keys Paddeling Trail

19. Proposed site improvements shall be designed and located to minimize or eliminate the long term risk of storm damage or flooding in conjunction with appropriate hazard mitigation agencies or experts.

20. The requirements imposed by other grant program funds that may be sought for activities associated with the Project Site shall not conflict with the terms and conditions of this Agreement.

This Agreement including Exhibit "A" embodies the entire agreement between the parties.

Doc# 1531398
Bk# 2136 Pg# 2465

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement.

Witness:

Print Name: Marlene Lewallen

Print Name: Charlene Violet Thompson

CITY OF KEY WEST

By:

Print Name: Roger D Wittenberg

Title: Finance Dir

Date: 7/6/05

Approved as to Form and Legality:

By:

Print Name: ROBERT TISCHENKEL

STATE OF FLORIDA
COUNTY OF MONROE

The foregoing instrument was acknowledged before me this 6th day of July, 2005, by Roger Wittenberg, as Finance Director of the City of Key West on behalf of the Local Government, and who is personally known to me.

Notary Public

Print Name:

Commission No.

My Commission Expires:

Pearline R. Lewis
MY COMMISSION # DD154416 EXPIRES
September 30, 2006
BONDED THRU TROY FAIN INSURANCE, INC.

Witness:

Print Name: Brian Wiggins

Print Name: Gayle H. Brett

FLORIDA COMMUNITIES TRUST

By: _____
Janice Browning, Division Director
Housing and Community Development

Date: 7/25/05

Approved as to Form and Legality:
By: _____
Kristen L. Coons
Trust Counsel

STATE OF FLORIDA
COUNTY OF LEON

The foregoing instrument was acknowledged before me this 25th day of July, 2005, by Janice Browning, Division Director, Housing and Community Development. She is personally known to me.

_____
Notary Public
Print Name: _____
Commission No.: _____
My Commission Expires: _____

Gayle H. Brett
MY COMMISSION EXPIRES
October 6, 2008
#DD153509
NOTARY PUBLIC STATE OF FLORIDA

EXHIBIT A

Being a part of land located on Stock Island, Monroe County, Florida and being more particularly described as follows:
Beginning at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coodinates a point at Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; ; thence N.70°40'03"E., along the said Northerly Right-of-Way Line of U.S. Highway No. 1 a distance of 21.39 feet; thence N.04°20'14"W., a distance of 784.40 feet; thence S.89°21'03"W., a distance of 111.41 feet; thence S.58°05'53"W., a distance of 304.38 feet; thence S.34°13'10"E., a distance of 35.93 feet; thence S.40°13'12"W., a distance of 143.60 feet to the said Easterly Right-of-Way Line of Junior College Road; thence S.39°47'17"E., a distance of 135.59 feet to the point of curvature of a curve to the left, having: a radius of 361.02 feet, a central angle of 14°25'40", a chord bearing of S.47°00'07"E. and a chord length of 90.67 feet; thence along the arc of said curve, an arc length of 90.91 feet to the point of tangency of said curve; thence S.54°12'57"E., a distance of 272.56 feet to the point of curvature of a curve to the right, having: a radius of 265.00 feet, a central angle of 35°06'00", a chord bearing of S.36°39'58"E. and a chord length of 159.82 feet; thence along the arc of said curve, an arc length of 162.34 feet to the point of tangency of said curve; thence S.19°06'58"E., a distance of 36.16 feet to the Point of Beginning.
Parcel contains 209036 square feet or 4.80 acres, more or less.

LESS
Legal Description: Out Parcel:
Prepared by undersigned:
Being a part of land located on Stock Island, Monroe County, Florida and being more particularly described as follows:
Beginning at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coodinates a point at Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; thence N.70°40'03"E., along the said Northerly Right-of-Way Line of U.S. Highway No. 1 a distance of 21.39 feet; thence N.04°20'14"W., a distance of 78.14 feet; thence S.71°09'00"W., a distance of 44.31 feet to the said Easterly Right-of-Way Line of Junior College Road and a the point on a curve to the left, having: a radius of 265.00 feet, a central angle of 08°36'44", a chord bearing of S.23°25'20"E. and a chord length of 39.79 feet; thence along the arc of said curve, an arc length of 39.83 feet to the point of tangency of said curve; thence S.19°06'58"E., a distance of 36.16 feett to the Point of Beginning.
Parcel contains 2413.40 square feet or 0.0554 acres, more or less.

ATTACHMENT C

DocN 1531398
BkN 2138 PgN 2468

Legal Description: (Ingress/Egress & Utility Easement):
Prepared by undersigned:
Being a part of land located on Stock Island, Monroe County, Florida and being more particularly described as follows:
Beginning at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coodinates a point at Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; ; thence N.70°40'03"E., along the said Northerly Right-of-Way Line of U.S. Highway No. 1 a distance of 21.39 feet; thence N.04°20'14"W., a distance of 784.40 feet; thence S.89°21'03"W., a distance of 111.41 feet; thence S.58°05'53"W., a distance of 304.38 feet; thence S.34°13'10"E., a distance of 35.93 feet to the Point of Beginning; thence continue S 34°13'10" E for a distance of 46.61 feet; thence S 34°45'03" W for a distance of 142.04 feet to the Northeasterly Right-of-Way Line of Junior College Road; thence N 39°47'17" W along the said Northeasterly Right-of-Way Line of Junior College Road for 59.34 feet; thence N 40°13'12" E for a distance of 143.60 feet to the Point of Beginning.
Parcel contains 7286.10 square feet or 0.167 acres, more or less.

Doc# 1531350
Bk# 2136 Pg# 2469

ATTACHMENT D

GRANT OF CONSERVATION EASEMENT

THIS GRANT OF EASEMENT is made on this 26th day of July, 2005, by the City of Key West, a municipal corporation existing under the laws of Florida, Grantor, to Monroe County Comprehensive Plan Land Authority, a land authority under Section 380.0663(1), Florida Statutes and Monroe County Ordinance No. 031-1986, whose address is 1200 Truman Avenue, Suite 207, Key West, Florida 33040, as Grantee.

Recitals

A) The Grantor is the owner of certain real property (the servient estate) located in Monroe County, Florida, known as the Key West Botanical Garden Addition property located at 5100 College Road on Stock Island and more particularly described in Exhibit A.

B) This easement is a conservation easement created pursuant to Section 704.06, Florida Statutes, and is to be governed by, construed, and enforced in accordance with that statute along with applicable laws of the State of Florida.

1. *Grant of easement.*
In consideration for the sum of Ten and 00/100 Dollars ($10.00) and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt of which is hereby acknowledged, the Grantor hereby grants to Grantee the easement described below.

2. *Easement area.*
The location of the easement area on the servient estate is as follows: all of the Key West Botanical Garden Addition property located at 5100 College Road on Stock Island and more particularly described in Exhibit A.

3. *Restraints imposed by the conservation easement.*
The conservation easement granted by this instrument imposes the following restrictions on the future use of the servient estate within the easement area: use of the property shall be limited to development as an addition to the Key West Botanical Garden providing public access, public recreation, and wildlife habitat consistent with those restrictions in the Grant Award Agreement between the City of Key West and Florida Communities Trust as recorded in Official Record Book 2136, Page 2457, Public Records of Monroe County, Florida.

4. *Terms and persons bound.*
This conservation easement is perpetual, subject to Recital B.9., runs with the land and is binding on all present and subsequent owners of the servient estate. Grantor represents that the mortgagee(s), if any, whose consent is attached hereto, is (are) the only mortgagee(s) having a security interest in the servient estate.

5. *Modification of easement.*
No modification of this easement is binding unless approved in writing by Florida Communities Trust, evidenced in writing and signed by an authorized representative of the Grantee and Grantor.

6. *Attorney's fees.*
In the event of any controversy, claim or dispute arising under this instrument, the prevailing party shall be entitled to recover reasonable attorney's fees and costs, including appeals.

7. *Entry of Grantee's representative on the servient estate.*
The Grantee may enter upon the servient estate, after first furnishing the Grantor no less than 24 hours notice, for the purpose of inspection to determine the Grantor's compliance with this Grant of Easement.

8. *Notice.*
Any notice provided for or concerning this grant of easement must be in writing and is sufficiently given when sent by certified or registered mail, or via an equivalent service furnished by a private carrier, to the respective address of each party as set forth at the beginning of this Grant of Easement.

9. *Termination of easement.*
In the event the Board of Trustees of the Internal Improvement Trust Fund takes title to the servient estate pursuant to sections 380.508(4)(d) or (e), Florida Statutes, this easement shall be terminated.

IN WITNESS WHEREOF, Grantor of this Grant of Easement has caused it to be executed on the date in the first sentence of this Grant of Easement.

City of Key West

Cheryl Smith
Witness

Jimmy Weekley
By: Jimmy Weekley, Mayor

Patricia Navarro
Witness

SWORN TO AND SUBSCRIBED before me this 20th day of May, 2005, by Jimmy Weekley, who is personally known to me, has produced personally known as identification.

VIVIAN PEREZ
MY COMMISSION EXPIRES
April 9, 2009
#DD403446
NOTARY PUBLIC, STATE OF FLORIDA

Vivian Perez
Notary Public, State of Florida

Being a part of land located on Stock Island, Monroe County, Florida and being more particularly described as follows:
Beginning at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coodinates a point at Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; ; thence N.70°40'03"E., along the said Northerly Right-of-Way Line of U.S. Highway No. 1 a distance of 21.39 feet; thence N.04°20'14"W., a distance of 784.40 feet; thence S.89°21'03"W., a distance of 111.41 feet; thence S.58°05'53"W., a distance of 304.38 feet; thence S.34°13'10"E., a distance of 35.93 feet; thence S.40°13'12"W., a distance of 143.60 feet to the said Easterly Right-of-Way Line of Junior College Road; thence S.39°47'17"E., a distance of 135.59 feet to the point of curvature of a curve to the left, having: a radius of 361.02 feet, a central angle of 14°25'40", a chord bearing of S.47°00'07"E. and a chord length of 90.67 feet; thence along the arc of said curve, an arc length of 90.91 feet to the point of tangency of said curve; thence S.54°12'57"E., a distance of 272.56 feet to the point of curvature of a curve to the right, having: a radius of 265.00 feet, a central angle of 35°06'00", a chord bearing of S.36°39'58"E. and a chord length of 159.82 feet; thence along the arc of said curve, an arc length of 162.34 feet to the point of tangency of said curve; thence S.19°06'58"E., a distance of 36.16 feet to the Point of Beginning.
Parcel contains 209036 square feet or 4.80 acres, more or less.

LESS
Legal Description: Out Parcel:
Prepared by undersigned:
Being a part of land located on Stock Island, Monroe County, Florida and being more particularly described as follows:
Beginning at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coodinates a point at Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; thence N.70°40'03"E., along the said Northerly Right-of-Way Line of U.S. Highway No. 1 a distance of 21.39 feet; thence N.04°20'14"W., a distance of 78.14 feet; thence S.71°09'00"W., a distance of 44.31 feet to the said Easterly Right-of-Way Line of Junior College Road and a the point on a curve to the left, having: a radius of 265.00 feet, a central angle of 08°36'44", a chord bearing of S.23°25'20"E. and a chord length of 39.79 feet; thence along the arc of said curve, an arc length of 39.83 feet to the point of tangency of said curve; thence S.19°06'58"E., a distance of 36.16 feett to the Point of Beginning.
Parcel contains 2413.40 square feet or 0.0554 acres, more or less.

MONROE COUNTY
OFFICIAL RECORDS

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • FL WATS 1-800-432-2045 • TDD (561) 697-2574
Mailing Address: P.O. Box 24680, West Palm Beach, FL 33416-4680 • www.sfwmd.gov

Application No. 060711-17
Environmental Resource Regulation

January 11, 2007

PLANNING DEPT
OCT 15 2010
MONROE COUNTY

Allen E. Perez, P.E.
Perez Engineering and Development, Inc.
1010 Kennedy Drive Suite 400
Key West, Fl 33040

Dear Mr. Perez:

Subject: Mitigation at Key West Botanical Garden, Monroe County, S22/T67S/R26E

District Staff have completed a review of the information submitted on December 18, 2006. According to Rule 40E-40, Florida Administrative Code (FAC), the District will need the following information to complete the application.

1. As previously requested, please provide the required application fee of $2000.00 for a Standard General Environmental Resource Permit (ERP).

2. The response indicates that the City of Key West is the owner of the property, and the Key West Botanical Garden Society is the lessee. Please provide a copy of the actual lease document. The District cannot issue permits to a lessee unless the terms of the lease grant the lessee the right to obtain permits on behalf of the owner. Otherwise, please revise the application form to include the City of Key West as a co-applicant and provide a signature page executed by an appropriate authority of the City of Key West.

3. As this project is mitigation for the Big Coppitt Commercial Center project (application 060711-21), this permit must be issued to both 6-7-8-US 1, LLC and the Key West Botanical Garden Society/ The City of Key West. Both parties will be held responsible for execution and success of the mitigation activities. As previously requested, please provide a signed application form for this project from 6-7-8-US 1, LLC, and a signed statement from both parties acknowledging their responsibility to create, monitor and maintain the proposed mitigation area. Once the project has meet the success criteria, and the monitoring period is ended, the responsibility for the mitigation area can then be transferred to the Key West Botanical Garden Society/ The City of Key West.

4. Is any part of the pond project being constructed or planted with funds obtained from Florida Communities Trust? If so, this project cannot be used as mitigation for wetland impacts, as the work would be conducted anyway at the taxpayer's expense. If this project was not included in the grant application, or goes above and beyond the expectations of the FCT approved plans, then the project can be used as mitigation for the private development project, with additional mitigation provided to offset the cost of the land.

GOVERNING BOARD
Kevin McCarty, Chair
Irela M. Bagué, Vice-Chair
Miya Burt-Stewart
Alice J. Carlson
Michael Collins
Nicolás J. Gutiérrez, Jr., Esq.
Lennart E. Lindahl, P.E.
Harkley R. Thornton
Malcolm S. Wade, Jr.
EXECUTIVE OFFICE
Carol Ann Wehle, Executive Director

5. Although the proposed mitigation area is within an existing conservation easement to Monroe County, that easement does not grant any rights to SFWMD for enforcement of the permit conditions. Please prepare an executed draft conservation easement with corresponding sketch and legal description for the mitigation area. Please provide a signed draft conservation easement with corresponding sketch and legal description (to be recorded no later than sixty (60) days after permit issuance) in order to have reasonable assurance that the mitigation area will be adequately protected. A copy of the District's standard form (form 1190) can be found on our website at www.sfwmd.gov. Please note that any changes to the approved document will require review and approval by the District's legal staff.

6. What is the area (in square feet) of the area planted as a wetland (not including proposed hardscape features or open water)? What is the size of the proposed open water area? Please provide these labels on at least one of the plans. Please revise the plan to maximize the wetland area by expanding the littoral shelves in width and reducing the open water area. Other planned features, such as open water, trails and hardscape cannot be considered as mitigation because they do not replace the habitat that is proposed to be filled. Based on a UMAM assessment of the proposed mitigation plan, there needs to be at least 0.67 ac (29,000 square feet) of wetland area associated with the pond to offset the impacts associated with the Big Coppitt Commercial Center. Because this is mitigation for a private entity on publicly- owned lands, an additional 30% is required to account for the fact that the developer does not have to provide land for the mitigation project. Therefore, based on the submitted plan, the wetland area needed is 0.87 acre or about 37,900 square feet.

7. Please label the datum for the elevations given on the grading plan and cross sections.

8. Please explain the temporary diversion berm shown in section F. Will the two ponds ultimately be connected or will this berm remain in place? What is the top elevation of the berm? When will this berm be removed?

9. Pursuant to Section 4.3.7 of the Basis of Review, applicants proposing mitigation must provide proof of financial responsibility for the mitigation activities, management, monitoring and any potential corrective action which may be required. Proof of financial responsibility may be provided in the form a cash bond, letter of credit, trust fund or other acceptable mechanism in an amount equal to 110% of the cost estimate. Please provide a draft of the proposed financial responsibility document for staff review and approval.

In accordance with 40E-1.603(1)(c) FAC, if the requested information is not received within 30 days of the date of this letter, this application may be processed for denial, if not withdrawn by the applicant. Please attach a copy of the enclosed "Transmittal Form For Requested Additional

Information" to each of the required FOUR copies of the requested information. Should you have any questions, please call Mindy Parrott at (561) 682-2065 or mparrott@sfwmd.gov.

Sincerely,

Mindy Parrott
Senior Environmental Analyst
Natural Resource Management Division
South Florida Water Management District

Attachments

Permit information and additional resources for permit applications can be found on line at http://www.sfwmd.gov/org/reg/index.html.

Enclosures

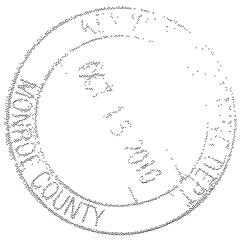
c: Key West Botanical Garden Society- Carolann Sharkey
6-7-8 L.LC.- Gary Burchfield
Florida Communities Trust

bc: K. Dickson
Environmental Resource Compliance.
Permit File
Keys Service Center

HYDROLOGIC ASSOCIATES U.S.A., INC.
ENVIRONMENTAL CONSULTANTS

January 22, 2006

Ms. Carolann Sharkey
The Key West Tropical Forest
And Botanical Garden
5210 College Rd
PO Box 2436
Key West, Fl. 33045



RE: Key West Tropical Forest and Botanical Garden: Chemical Analysis of water and soil at Desbian Pond

Dear Carolann,

Enclosed please find a copy of analytical results from the sampling of water and sediment of Desbian Pond. These samples were collected and preserved for chemical analysis on December 15, 2006, when we were finishing the test pits at the garden.

Our field observation indicated that the pond is a perched body of water situated above the water table. From a geomorphology stand point, the pond is a sinkhole located in a depression within the oolitic limestone on Stock Island. This depression has gradually filled in with peat and muck from decaying vegetation. The peat and muck has essentially sealed off the surface water in Desbian Pond from the water table (groundwater from the freshwater lens). The position of the edge of the peat and muck layer in relation to the limestone could be easily seen in the shallow trench dug on the western edge of the pond.

Chemically, the water in Desbian Pond is similar to what occurs in ponds (Alligator Holes) within the Everglades/ Big Cypress Basins. The water is highly colored and high in total organic carbon (TOC) as a result of leaching from the peat and muck deposits. The nutrients (nitrate, nitrite, ammonia, Kjeldahl, nitrogen, ortho and total phosphorus) are slightly higher than would be found in a completely balanced, pristine aquatic ecosystem. This is due to the relatively small volume of water and all the animals (birds, reptiles, amphibians, fish, etc.) utilizing the pond. Sulfate is also high from the degradation of vegetation. The mineralization of the pond is slightly higher than the underlying freshwater lens. This is most likely caused by the recent hurricanes and the drying of the pond during the dry season. The pond should get fresher as the summer rains replenish the volume and dilute the minerals. The pH is very alkaline. Trace metals were analyzed in both the soil and sediment, The only noteworthy concentration were Arsenic in water and Lead in the sediments. The Arsenic is most likely from historic use of herbicides although these levels have also been shown to be naturally occurring in

MIAMI
8925 S. W. 148th Street, Suite 212,
Miami, Florida 33176
Phone: (305) 252-7118 • Fax: (305) 254-0874
Email: MIAMIHYDRO@AOL.COM

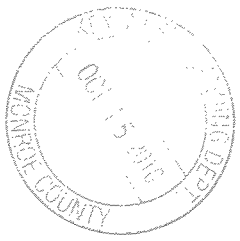
PUERTO RICO
Calle Sol 38
San Juan, Puerto Rico 00901
Phone: (787) 722-4892 • Fax: (787) 723-4448
Email: MIAMIHYDRO@AOL.COM

ORLANDO
109 Bayberry Road
Altamonte Springs, Florida 32714
Phone: (407) 788-1355 • Fax: (407) 788-1135
Email: RADAmiller@aol.com

KSA Environmental Laboratory, Inc.

December 28, 2006

Hydrologic Associates - Miami
Attn: Brad Waller
8925 S.W. 148th Street Suite 212
Miami, FL 33176



RE: Key West Tropical Forest
KSA Workorder: P006735

Dear Brad Waller,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on 12/18/06 12:30.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards. This report shall not be reproduced except in full, without the written approval of the Laboratory.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

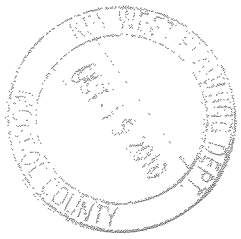
Emerson Perez
Project Manager

Enclosure(s)

Florida Certifications: E86349 & E86616 (Microbiology)
10200 USA Today Way • Miramar, Florida 33025
Phone: (954) 431-4550 • Fax: (954) 431-1959

SAMPLE SUMMARY

	Client ID	Matrix	Sampled	Received
P006735-01	Desbien SW	Surface Water	12/15/06 12:00	12/18/06 12:30
P006735-02	Desbien Soil	Soil	12/15/06 12:30	12/18/06 12:30



ANALYTICAL REPORT

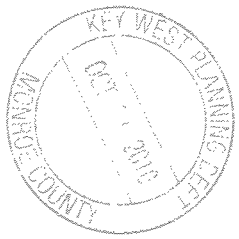
Sample ID:	Desbien Soil	Project:	Key West Tropical Forest
Lab #:	P006735-02	Work Order #:	P006735
Sampled:	12/15/06 12:30	Matrix:	Soil

Metals

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Arsenic, Total	24 mg/kg dry		1	2.7	7.6	6010	12/18/06 17:55	12/20/06 8:51	6120498
Barium, Total	23 mg/kg dry		1	2.1	21	6010	12/18/06 17:55	12/20/06 8:51	6120498
Cadmium, Total	4.4 mg/kg dry	I	1	2.3	21	6010	12/18/06 17:55	12/20/06 8:51	6120498
Chromium, Total	14 mg/kg dry	I	1	2.1	21	6010	12/18/06 17:55	12/20/06 8:51	6120498
Lead, Total	550 mg/kg dry		1	15	21	6010	12/18/06 17:55	12/20/06 8:51	6120498
Mercury, Total	0.46 mg/kg dry	V	1	0.025	0.085	7471	12/18/06 18:11	12/20/06 18:14	6120499
Selenium, Total	8.4 mg/kg dry	U	1	8.4	13	6010	12/18/06 17:55	12/20/06 8:51	6120498
Silver, Total	10 mg/kg dry	U	1	10	21	6010	12/18/06 17:55	12/20/06 8:51	6120498

Wet Chemistry

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Solids, Total	24 %		1	1.0	1.0	D2216	12/19/06 16:21	12/19/06 16:21	6120516



QUALITY CONTROL FOR :P006735

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Metals - Quality Control									
Blank (6120498-BLK1)						Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Arsenic, Total	0.64	U	0.64	1.8	mg/kg dry				
Barium, Total	0.49	U	0.49	5.0	mg/kg dry				
Cadmium, Total	0.54	U	0.54	5.0	mg/kg dry				
Chromium, Total	0.49	U	0.49	5.0	mg/kg dry				
Lead, Total	3.4	U	3.4	5.0	mg/kg dry				
Selenium, Total	2.0	U	2.0	3.0	mg/kg dry				
Silver, Total	2.5	U	2.5	5.0	mg/kg dry				
Metals - Quality Control									
LCS (6120498-BS1)						Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Arsenic, Total						105	80-120		
Barium, Total						97.4	82-118		
Cadmium, Total						101	82-118		
Chromium, Total						103	78-121		
Lead, Total						103	81-120		
Selenium, Total						104	76-124		
Silver, Total						107	61-139		
Metals - Quality Control									
Matrix Spike (6120498-MS1)					Source: P006737-01	Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Arsenic, Total						111	75-125		
Barium, Total						99.7	75-125		
Cadmium, Total						102	75-125		
Chromium, Total						108	75-125		
Lead, Total						108	75-125		
Selenium, Total						109	75-125		
Silver, Total						104	75-125		
Metals - Quality Control									
Matrix Spike Dup (6120498-MSD1)					Source: P006737-01	Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Arsenic, Total						107	75-125	3.67	20
Barium, Total						96.8	75-125	2.95	20
Cadmium, Total						99.0	75-125	2.99	20
Chromium, Total						105	75-125	2.82	20
Lead, Total						106	75-125	1.87	20
Selenium, Total						105	75-125	3.74	20
Silver, Total						101	75-125	2.93	20
Metals - Quality Control									
Blank (6120499-BLK1)						Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Mercury, Total	0.0089	I	0.0058	0.020	mg/kg dry				
Metals - Quality Control									
LCS (6120499-BS1)						Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Mercury, Total						103	68-132		
Metals - Quality Control									
Matrix Spike (6120499-MS1)					Source: P006737-01	Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Mercury, Total						44.8	75-125		
Metals - Quality Control									
Matrix Spike Dup (6120499-MSD1)					Source: P006737-01	Prepared: 18-Dec-06 Analyzed: 20-Dec-06			
Mercury, Total						52.9	75-125	16.6	20

QUALITY CONTROL FOR :P006735

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Wet Chemistry - Quality Control									
Matrix Spike (6120479-MS1)				Source: P006622-03		Prepared: 18-Dec-06 Analyzed: 19-Dec-06			
Carbon, Total Organic						99.8	85-115		
Wet Chemistry - Quality Control									
Matrix Spike Dup (6120479-MSD1)				Source: P006622-03		Prepared: 18-Dec-06 Analyzed: 19-Dec-06			
Carbon, Total Organic						100	85-115	0.200	20
Wet Chemistry - Quality Control									
LCS (6120489-BS1)						Prepared & Analyzed: 18-Dec-06			
pH						107	90-110		
Wet Chemistry - Quality Control									
LCS Dup (6120489-BSD1)						Prepared & Analyzed: 18-Dec-06			
pH						107	90-110	0.00	20
Wet Chemistry - Quality Control									
Duplicate (6120489-DUP1)				Source: P006736-01		Prepared & Analyzed: 18-Dec-06			
pH	7.92		0.00	s.u.				0.126	20
Wet Chemistry - Quality Control									
LCS (6120506-BS1)						Prepared & Analyzed: 18-Dec-06			
Solids, Total Dissolved						103	80-120		
Wet Chemistry - Quality Control									
LCS Dup (6120506-BSD1)						Prepared & Analyzed: 18-Dec-06			
Solids, Total Dissolved						101	80-120	1.96	30
Wet Chemistry - Quality Control									
Duplicate (6120506-DUP1)				Source: P006735-01		Prepared & Analyzed: 18-Dec-06			
Solids, Total Dissolved	3480		8.9	10	mg/L			2.33	20
Wet Chemistry - Quality Control									
Blank (6120520-BLK1)						Prepared & Analyzed: 19-Dec-06			
Alkalinity	5.0	U	5.0	5.0	mg/L				
Wet Chemistry - Quality Control									
LCS (6120520-BS1)						Prepared & Analyzed: 19-Dec-06			
Alkalinity						100	80-120		
Wet Chemistry - Quality Control									
LCS Dup (6120520-BSD1)						Prepared & Analyzed: 19-Dec-06			
Alkalinity						100	80-120	0.00	20
Wet Chemistry - Quality Control									
Duplicate (6120520-DUP1)				Source: P006735-01		Prepared & Analyzed: 19-Dec-06			
Alkalinity	310		5.0	5.0	mg/L			0.00	20
Wet Chemistry - Quality Control									
Blank (6120552-BLK1)						Prepared: 20-Dec-06 Analyzed: 21-Dec-06			
Nitrogen, Ammonia (as N)	0.015	U	0.015	0.020	mg/L				

QUALITY CONTROL FOR :P006735

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Wet Chemistry - Quality Control									
LCS (6120583-BS1)						Prepared & Analyzed: 21-Dec-06			
Orthophosphate as P						98.4	80-120		
Wet Chemistry - Quality Control									
LCS Dup (6120583-BSD1)						Prepared & Analyzed: 21-Dec-06			
Orthophosphate as P						100	80-120	1.61	20
Wet Chemistry - Quality Control									
Blank (6120686-BLK1)						Prepared & Analyzed: 27-Dec-06			
Phosphorus, Total	0.047	U	0.047	0.10	mg/L				
Wet Chemistry - Quality Control									
LCS (6120686-BS1)						Prepared & Analyzed: 27-Dec-06			
Phosphorus, Total						112	80-120		
Wet Chemistry - Quality Control									
LCS Dup (6120686-BSD1)						Prepared & Analyzed: 27-Dec-06			
Phosphorus, Total						118	80-120	5.22	20
Wet Chemistry - Quality Control									
Matrix Spike (6120686-MS1)				Source: P006829-03		Prepared & Analyzed: 27-Dec-06			
Phosphorus, Total						67.6	80-120		
Wet Chemistry - Quality Control									
Matrix Spike Dup (6120686-MSD1)				Source: P006829-03		Prepared & Analyzed: 27-Dec-06			
Phosphorus, Total						68.0	80-120	0.590	20
Wet Chemistry - Quality Control									
Blank (6120687-BLK1)						Prepared & Analyzed: 27-Dec-06			
Nitrogen, Kjeldahl, Total	0.091	U	0.091	0.25	mg/L				
Wet Chemistry - Quality Control									
LCS (6120687-BS1)						Prepared & Analyzed: 27-Dec-06			
Nitrogen, Kjeldahl, Total						98.7	90-110		
Wet Chemistry - Quality Control									
LCS Dup (6120687-BSD1)						Prepared & Analyzed: 27-Dec-06			
Nitrogen, Kjeldahl, Total						103	90-110	4.26	20
Wet Chemistry - Quality Control									
Matrix Spike (6120687-MS1)				Source: P006829-03		Prepared & Analyzed: 27-Dec-06			
Nitrogen, Kjeldahl, Total						114	90-110		
Wet Chemistry - Quality Control									
Matrix Spike Dup (6120687-MSD1)				Source: P006829-03		Prepared & Analyzed: 27-Dec-06			
Nitrogen, Kjeldahl, Total						117	90-110	2.60	20

CHAIN OF CUSTODY RECORD

KSA Environmental Laboratory, Inc.
10200 USA Today Way - Miramar, Florida 33025
Phone (954)431-4550 Fax (954)431-1959

№ 2851

NELAC / FDOH # : E86349

Work Order #: 1006735 COC#
Page 1 of 1

Client Name: Hydrologic Associates
Client Address: 8525 SW 148 Street #212
Miami FL 33176
Project Contact: Brad Wells
Project Number/Name: Key West Forest
Sampled By (print): Brad Wells
Sampler's Signature:

Phone: 305 232 7118
Site Location: Key West
Fax: 305 254 0574

ITEM #	SAMPLE ID	Collected DATE	Collected TIME	MATRIX	# BOTTLES	pH / Alk / Cond / TDS	Color / Turbidity	Cl- / SO4	Reactive Metals	Ortho P / Total P	NO3 / NO2 / NH3	Kjeldahl N	TOC
1	Deshler	12/13/06	1200	GW	4	✓	✓	✓	✓	✓	✓	✓	✓
2													
3	Deshler	12/13/06	1230	S	2				✓				
4													
5													
6													
7													
8													
9													
10													
11													

Matrix Code:	Preservation code
A - Air	1 - Ice
GW - Groundwater	2 - HCl
S - Soil / Sediment	3 - H2SO4
WW - Wastewater	4 - HNO3
DW - Drinking Water	5 - NaOH
SW - Surface Water	6 - ZnAcetate
SL - Sludge	0 - Other
O - Other	

Sample Remarks	Lab No.

← Enter Preservation code

Special Instructions & Comments:

12/18

3.8C

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Hydrologic	12/18 0830	Sean Coley	KSA	12/18/06 1125
Sean Coley	KSA	12/18/06 1230			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

Project: Key West Botanical Gardens
Application #: 060711-17
Site: 1.006 Acres of Parcel as Described in Attached Sketch and Legal Description
Owner/Applicant: City of Key West/Key West Botanical Garden Society
Location: Stock Island, Monroe County, FL

Wetland Mitigation Area
Monitoring and Maintenance Plan

PURPOSE

The purpose of this plan is to provide a summary of strategies for wetland mitigation monitoring of the wetland areas located within Mitigation Area One of the Key West Botanical Gardens.

SCHEDULE OF MONITORING EVENTS

The wetland mitigation area monitoring events will begin at the Time Zero event and continue for a period of five years. The wetland mitigation area will be monitored quarterly for planting success, amount of desirable wetland plant recruitment, wildlife utilization, exotic (as listed by the Exotic Pest Plan Council [EPPS]) and undesirable vegetation encroachment, and physiochemical conditions. Thereafter, monitoring events will occur annually in perpetuity on the anniversary date of the initial baseline report. Results of the quarterly monitoring events will be submitted yearly as written monitoring reports to City of Key West or other agencies with interest.

GOALS

Summary outline of the goals of this plan are:

1. Ecological goals: Create a freshwater pond and littoral wetland with vegetation capable of surviving and responding to periodic pulses of brackish and salt water such as that experienced during tropical cyclone events and extreme high tides. Goals also include expanding constructing fresh water features historic to the City of Key West that have been almost completely lost to development. The pond and littoral wetland will feature species of plants documented to be native to the City of Key West by the Institute for Regional Conservation during their 10-year Floristic Inventory of South Florida. The pond and wetland will grade into native upland tropical hammock vegetation, which will feature species historically typical of the City of Key West, including rare species identified by the Institute for Regional Conservation. The pond, wetland and adjacent upland will create significant new habitat for wetland and upland invertebrates (including butterflies) and resident and migratory birds.
2. Management: Assure the ecology of the site is maintained through an active management program that includes the establishment of a Baseline (Time Zero) Monitoring Report, subsequent monitoring events, removal of targeted exotic plant species, and compliance with visitor use criteria.
3. Monitoring: Provide written and photographic documentation to ensure compliance with all state, local, and federal regulations, including Environmental Resource Permitting.

MAINTENANCE

All invasive exotic pants as defined by EPPC as Category I plants will be removed or killed in-placed during initial wetland construction/restoration phase of the mitigation project. The elimination of the exotic vegetation will be coordinated with the permitting agency staff to provide the most appropriate control mechanism. During the construction of the mitigation projected as part of the perpetual maintenance of the mitigation areas, every effort will be taken to attain zero percent coverage of undesirable vegetation will be maintained at or below 2% of the total vegetative coverage in the mitigation area. Plants will be removed or killed in-place, depending upon which technique will result in greater protection to the wetland and produce the most desirable system-wide wetland benefit.

COMPLIANCE

Perpetual maintenance will be implemented as part of the long-term maintenance plan. The applicant and/or their management company will conduct the maintenance and be responsible for all onsite wetland mitigation area maintenance efforts. This maintenance will help ensure that the conservation easement area of the project will be maintained free from invasive exotic vegetation and nuisance plants according to the previously described criteria in perpetuity.

MONITORING PROCEDURES

Methodology

The proposed construction currently calls for the excavation of earth to create a freshwater pond and wetland on a portion of the Key West Botanical Gardens Addition parcel. The littoral zones will be planted with native wetland species as indicated in the planting plan. The wetland will be ringed by a buffer zone of upland tropical hammock species to protect the wetland from infiltration of pollutants, provide additional wildlife habitat, and provide additional interest to visitors to the gardens. The specific mitigation sequence will begin with the removal of the suitable soils and screening of the future wetland soil. All unsuitable debris and exotic vegetation will be removed and disposed of in an approved manner. The mitigation area subsurface soils will be lowered to suitable wetland elevations. The suitable wetland soils will then be replaced and graded to achieve a diverse habitat of flushing channels, hydric islands, hydric berms and marsh community.

As defined by Florida DEP, the revised plan includes obligate wetland species and facultative species; other species associated with wetlands but not listed by DEP are included on the plan. All species have been documented in Monroe County. They also represent species with relatively wide ecological tolerances capable of adapting to changing conditions at the site. Additional rare species native to Monroe County are planned to be added once the wetland has become relatively stabilized.

Propagates of plants from the existing garden will be harvested and grown out for planting out in addition to other native plant material that will be acquired from appropriate sources. The planting will be spaced so as to exceed general density recommendations by the University of Florida, IFAS Extension Services where five wetland plants are planed per each 10 square feet of wetland planting area. Additional material is to be planted in the upland buffer zone as indicated on the plan.

Baseline (Time Zero) Monitoring Data

Baseline data is a critical component of measuring change over time, and is required to monitor the success and progression of the maintenance of the site. The baseline data will be collected at the time construction of Mitigation Area One is completed and approved. The baseline data will include, but is not limited to, the following elements:

1. Establish locations and record data for photo points, sample cells and transects
2. Create a database of wetland plants surviving at the time of baseline
3. Observe, identify, record, and establish a database of wildlife utilization
4. Verify exotic and undesirable plant species to be at more than 2% coverage of the wetland mitigation areas at the time zero monitoring date.
5. Install and record data from staff gauges.

Measurable Success Criteria

The following are recommended to be used as measurable success criteria for the wetlands mitigation at Mitigation Area One:

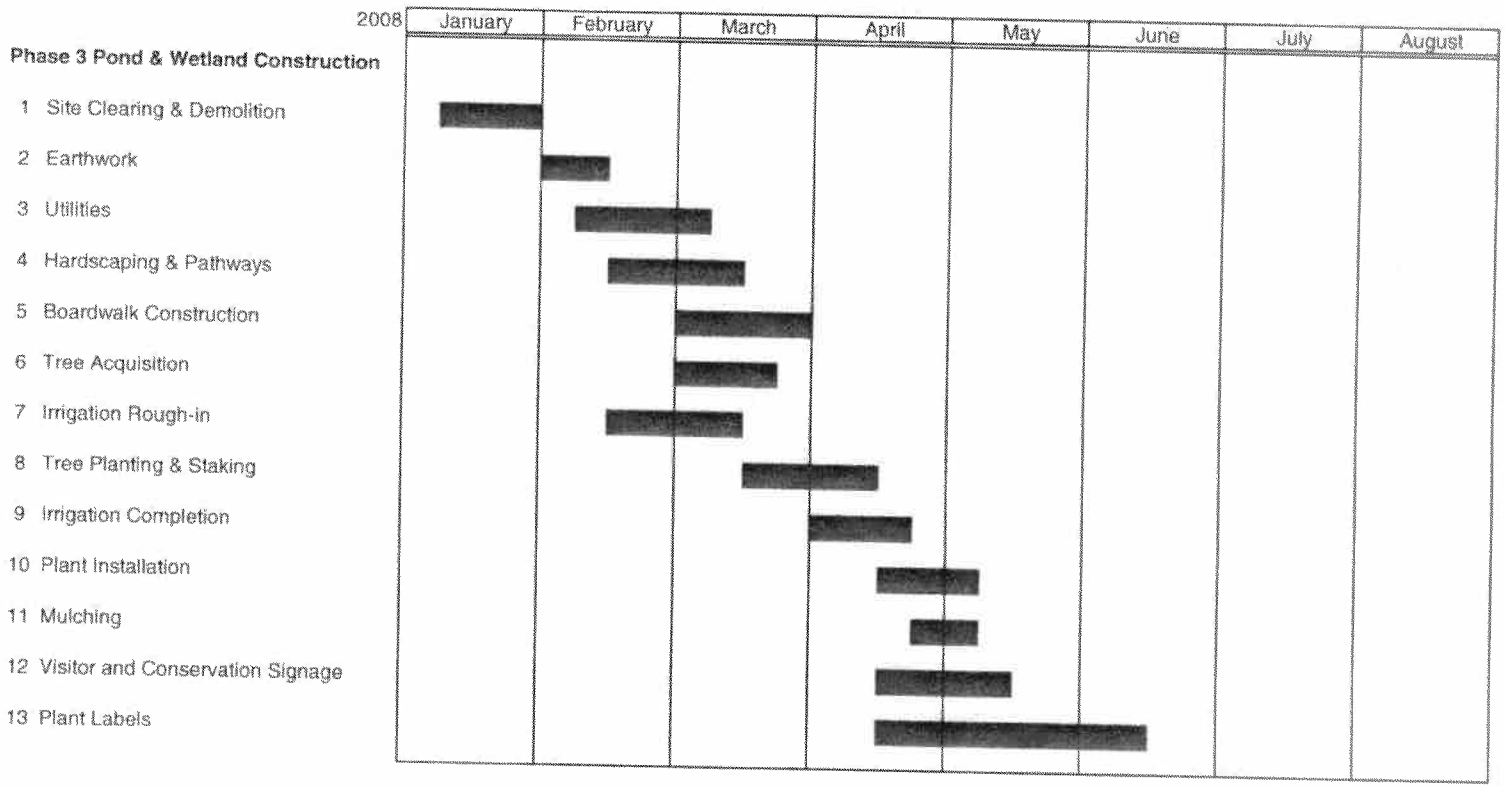
1. 80% survival of transplanted/newly planted plants at end of year one
2. Replanting if needed to be completed 60 days after inspection by permitting agency
3. Less than 2% exotic species present at time of inspection
4. Demonstrated ability of all sections of wetland habitat on site to hold water at least 3 months of each year.
5. Documentation of use by native fauna such as: birds, small mammals, reptiles, amphibians and macro invertebrates.

Monitoring Plan

The locations of photo points and staff gauge are shown on the attached monitoring sketch. The staff gauge will be monitored on a bi-monthly basis and the readings included in the quarterly monitoring reports for SFWMD and annual monitoring reports for The City of Key West or other agency with interest.

Where it is determined that native plant communities will not be substantially disturbed or damaged, permanent sample cells and pedestrian transects will be established. Sample cells will be 1.0 m square with corners permanently marked. The pedestrian transects can be of varying length and will have a permanently marked starting and ending point. Pedestrian transects will be conducted during all site evaluations. Each quarterly monitoring event will include photographic documentation of existing conditions in the wetland mitigation area. The field transects, staff gauges, wildlife utilization and photographic reference points will be monitored and maintained throughout the five-year monitoring and maintenance period.

The results of the quarterly field evaluations will assist in identifying the progressive condition of the mitigation area and the impact of the hydrologic improvements resulting from the project. All monitoring event data will be utilized by maintenance crews as necessary to provide the most effective treatment of undesirable vegetation should invasion occur. This will ensure that the undesirable vegetation will be controlled prior to establishment and seed set.


2008
January
February
March
April
May
June
July
August
Phase 3 Pond & Wetland Construction
1 Site Clearing & Demolition
2 Earthwork
3 Utilities
4 Hardscaping & Pathways
5 Boardwalk Construction
6 Tree Acquisition
7 Irrigation Rough-in
8 Tree Planting & Staking
9 Irrigation Completion
10 Plant Installation
11 Mulching
12 Visitor and Conservation Signage
13 Plant Labels

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE
STANDARD GENERAL PERMIT NO. 44-00410-P
DATE ISSUED:August 8, 2008

Form #0941
08/95

PERMITTEE: KEY WEST BOTANICAL GARDEN SOCIETY INC
P.O. BOX 2436
KET WEST, FL 33045-2436

CITY OF KEY WEST
525 ANGELA STREET
KEY WEST, FL 33040

PROJECT DESCRIPTION: Construction and operation of a 1.58 acre wetland creation project known as Wetland Creation at Key West Botanical Garden.

PROJECT LOCATION: MONROE COUNTY, SEC 34 TWP 67S RGE 25E

PERMIT DURATION: See Special Condition No:1. See attached Rule 40E-4.321, Florida Administrative Code.

This is to notify you of the District's agency action concerning Notice of Intent for Permit Application No. 060711-17, dated July 11, 2006. This action is taken pursuant to Rule 40E-1.603 and Chapter 40E-40 , Florida Administrative Code (F.A.C.).

Based on the information provided, District rules have been adhered to and an Environmental Resource General Permit is in effect for this project subject to:

1. Not receiving a filed request for a Chapter 120, Florida Statutes, administrative hearing.
2. the attached 19 General Conditions (See Pages : 2 - 4 of 7),
3. the attached 24 Special Conditions (See Pages : 5 - 7 of 7) and
4. the attached 3 Exhibit(s)

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights," we will assume that you concur with the District's action.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the Permittee (and the persons listed in the attached distribution list) no later than 5:00 p.m. on this 8th day of August, 2008, in accordance with Section 120.60(3), Florida Statutes.

BY: Anita R Bain
Anita R. Bain
Director - Environmental Resource Permitting Division
Palm Beach Service Center

Certified mail number 7006 2760 0004 3191 6361

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

GENERAL CONDITIONS

1. All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit and Part IV, Chapter 373. F.S.

2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

3. Activities approved by this permit shall be conducted in a manner which does not cause violations of State water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of State water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. All practices shall be in accordance with the guidelines and specifications described in Chapter 6 of the Florida Land Development Manual; A Guide to Sound Land and Water Management (Department of Environmental Regulation, 1988), incorporated by reference in Rule 40E-4.091, F.A.C. unless a project-specific erosion and sediment control plan is approved as part of the permit. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

4. The permittee shall notify the District of the anticipated construction start date within 30 days of the date that this permit is issued. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District an Environmental Resource Permit Construction Commencement Notice Form Number 0960 indicating the actual start date and the expected construction completion date.

5. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an annual status report form. Status report forms shall be submitted the following June of each year.

6. Within 30 days after completion of construction of the permitted activity, the permitee shall submit a written statement of completion and certification by a professional engineer or other individual authorized by law, utilizing the supplied Environmental Resource/Surface Water Management Permit Construction Completion/Certification Form Number 0881A, or Environmental Resource/Surface Water Management Permit Construction Completion Certification - For Projects Permitted prior to October 3, 1995 Form No. 0881B, incorporated by reference in Rule 40E-1.659, F.A.C. The statement of completion and certification shall be based on onsite observation of construction or review of as-built drawings for the purpose of determining if the work was completed in compliance with permitted plans and specifications. This submittal shall serve to notify the District that the system is ready for inspection. Additionally, if deviation from the approved drawings are discovered during the certification process, the certification must be accompanied by a copy of the approved permit drawings with deviations noted. Both the original and revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. All surveyed dimensions and elevations shall be certified by a registered surveyor.

7. The operation phase of this permit shall not become effective: until the permittee has complied with the requirements of condition (6) above, and submitted a request for conversion of Environmental Resource Permit from Construction Phase to Operation Phase, Form No. 0920; the District determines the system to be in compliance with the permitted plans and specifications; and the entity approved by the District in accordance with Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit

GENERAL CONDITIONS

Applications within the South Florida Water Management District, accepts responsibility for operation and maintenance of the system. The permit shall not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall initiate transfer of the permit to the approved responsible operating entity if different from the permittee. Until the permit is transferred pursuant to Section 40E-1.6107, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

8. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use 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 the phase or portion of the system to a local government or other responsible entity.

9. For those systems that will be operated or maintained by an entity that will require an easement or deed restriction in order to enable that entity to operate or maintain the system in conformance with this permit, such easement or deed restriction must be recorded in the public records and submitted to the District along with any other final operation and maintenance documents required by Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit applications within the South Florida Water Management District, prior to lot or units sales or prior to the completion of the system, whichever comes first. Other documents concerning the establishment and authority of the operating entity must be filed with the Secretary of State, county or municipal entities. Final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local government entity. Failure to submit the appropriate final documents will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system and any other permit conditions.

10. Should any other regulatory agency require changes to the permitted system, the permittee shall notify the District in writing of the changes prior to implementation so that a determination can be made whether a permit modification is required.

11. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40E-4 or Chapter 40E-40, F.A.C..

12. The permittee is hereby advised that Section 253.77, F.S. states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the State, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

13. The permittee must obtain a Water Use permit prior to construction dewatering, unless the work qualifies for a general permit pursuant to Subsection 40E-20.302(3), F.A.C., also known as the "No Notice" Rule.

14. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the permit.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit

GENERAL CONDITIONS

application, including plans or other supporting documentation, shall not be considered binding, unless a specific condition of this permit or a formal determination under Section 373.421(2), F.S., provides otherwise.

16. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rules 40E-1.6105 and 40E-1.6107, F.A.C.. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations prior to the sale, conveyance or other transfer of the system.

17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.

18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the appropriate District service center.

19. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on August 8, 2013.

2. Operation of the surface water management system shall be the responsibility of the permittee.

3. The permittee shall be responsible for the correction of any erosion, shoaling or water quality problems that result from the construction or operation of the surface water management system.

4. Measures shall be taken during construction to insure that sedimentation and/or turbidity violations do not occur in the receiving water.

5. The District reserves the right to require that additional water quality treatment methods be incorporated into the drainage system if such measures are shown to be necessary.

6. Facilities other than those stated herein shall not be constructed without an approved modification of this permit.

7. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.

8. The permittee shall provide routine maintenance of all of the components of the surface water management system in order to remove all trapped sediments/debris. All materials shall be properly disposed of as required by law. Failure to properly maintain the system may result in adverse flooding conditions.

9. This permit is issued based on the applicant's submitted information which reasonably demonstrates that adverse water resource related impacts will not be caused by the completed permit activity. Should any adverse impacts caused by the completed surface water management system occur, the District will require the permittee to provide appropriate mitigation to the District or other impacted party. The District will require the permittee to modify the surface water management system, if necessary, to eliminate the cause of the adverse impacts.

10. The permittee acknowledges, that pursuant to Rule 40E-4.101(2), F.A.C., a notice of Environmental Resource or Surface Water Management Permit may be recorded in the county public records. Pursuant to the specific language of the rule, this notice shall not be considered an encumbrance upon the property.

11. Activities associated with the implementation of the wetland creation, monitoring and maintenance plan(s) shall be completed in accordance with the work schedule attached as Exhibit No. 3.2. Any deviation from these time frames will require prior approval from the District's Environmental Resource Compliance staff. Such requests must be made in writing and shall include (1) reason for the change, (2) proposed start/finish and/or completion dates; and (3) progress report on the status of the project development.

12. The successful completion of the creation plan is heavily dependent on proper site grading as shown on Exhibit 2.0. Therefore, prior to demobilizing equipment from the site and prior to planting, the permittee shall provide an as-built survey in accordance with the work schedule identified as Exhibit 3.2 and schedule an inspection by District Environmental Resource Compliance staff to ensure that appropriate elevations and slopes have been achieved.

13. A wetland creation program shall be implemented in accordance with Exhibit No. 3.0. The permittee shall create 0.51 acre of wetlands in addition to associated tropical hammock uplands.

14. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or other surface waters have occurred due to project related activities.

SPECIAL CONDITIONS

15. Spoil generated from the excavation authorized by this permit must be placed on an upland site and contained in such a manner as to prevent erosion into wetlands or other surface waters.

16. A maintenance program shall be implemented in accordance with Exhibit No. 3.0 for the created wetland/upland areas on a regular basis to ensure the integrity and viability of those areas as permitted. Maintenance shall be conducted in perpetuity to ensure that the conservation areas are maintained free from Category 1 exotic vegetation (as defined by the Florida Exotic Pest Plant Council at the time of permit issuance) immediately following a maintenance activity. Maintenance in perpetuity shall also insure that conservation areas, including buffers, maintain the species and coverage of native, desirable vegetation specified in the permit. Coverage of exotic and nuisance plant species shall not exceed 5% of total cover between maintenance activities. In addition, the permittee shall manage the conservation areas such that exotic/nuisance plant species do not dominate any one section of those areas.

17. All contractors must be provided with a copy of the staff report and permit conditions prior to the commencement of construction. The permittee is responsible for ensuring that all contractors adhere to the project construction details and methods indicated on the attached permit Exhibits and described herein.

18. The wetland conservation areas and upland buffer zones and/or upland preservation areas shown on Exhibit(s) 3.0 may in no way be altered from their natural or permitted state. Activities prohibited within the conservation areas include, but are not limited to:
(a) construction or placing of buildings, roads, signs, billboards or other advertising, utilities or other structures on or above the ground;
(b) dumping or placing soil or material as landfill or dumping or placing of trash, waste, or unsightly or offensive materials;
(c) removal or destruction of trees, shrubs, or other vegetation - with the exception of exotic and nuisance vegetation removal;
(d) excavation, dredging, or removal of loam, peat, gravel, soil, rock, or other material substances in such manner as to affect the surface;
(e) surface use except for purposes that permit the land or water area to remain predominantly in its natural condition;
(f) activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation, including but not limited to ditching, diking or fencing;
(g) acts or uses detrimental to such retention of land or water areas; and
(h) acts or uses detrimental to the preservation of the structural integrity or physical appearance of sites or properties of historical, architectural, archaeological, or cultural significance.

19. A time zero monitoring report shall be conducted in accordance with Exhibit No. 3.2 for all created wetlands. The plan shall include a survey of the areal extent, acreage and cross-sectional elevations of the created areas and panoramic photographs for each habitat type. The report shall also include a description of planted species, sizes, total number and densities of each plant species within each habitat type as well as mulching methodology.

20. A monitoring program shall be implemented in accordance with Exhibit No. 3.0. The monitoring program shall extend for a period of 5 years with annual reports submitted to District staff. At the end of the first monitoring period the mitigation area shall contain an 80% survival of planted vegetation. The 80% survival rate shall be maintained throughout the remainder of the monitoring program, with replanting as necessary. If native wetland, transitional, and upland species do not achieve an 80% coverage within the initial two years of the monitoring program, native species shall be planted in accordance with the maintenance program. At the end of the 5 year monitoring program the entire mitigation area shall contain an 80% survival of planted vegetation and an 80% coverage of desirable obligate and facultative wetland species.

SPECIAL CONDITIONS

21. Prior to the commencement of construction and in accordance with the work schedule In Exhibit No. 3.2, the permittee shall submit two certified copies of the recorded conservation easement for the mitigation area and associated buffers. The data shall be supplied in a digital ESRI Geodatabase (mdb), ESRI Shapefile (shp) or AutoCAD Drawing Interchange (dxf) file format using Florida State Plane coordinate system, East Zone (3601), Datum NAD83, HARN with the map units in feet. This data shall be submitted as a paper map depicting the Conservation Easement over the best available satellite or aerial imagery. This data shall also reside on a CD or floppy disk and be submitted to the District's Environmental Resource Compliance Division in the service area office where the application was submitted.

    The recorded easement shall utilize the form attached as Exhibit 3.1. Any proposed modifications to the approved form must receive prior written consent from the District. The easement must be free of encumbrances or interests in the easement which the District determines are contrary to the intent of the easement. In the event it is later determined that there are encumbrances or interests in the easement which the District determines are contrary to the intent of the easement, the permittee shall be required to provide release or subordination of such encumbrances or interests.

22. At the time of application for any phase of construction that includes wetland impacts, the permittee shall demonstrate that an adequate portion of the mitigation plan has been or shall be executed and completed in a timely manner (i.e., concurrent with the wetland impacts) and that the specified mitigation will adequately offset the wetland impacts associated with that phase.

23. The suitability of this mitigation area to offset impacts to any given project will be determined on a case-by-case review of the project for which impacts are proposed.

    The amount of potential credit generated by the mitigation efforts has been determined using the Uniform Mitigation Assessment Method, 62-345, FAC (UMAM) as reflected in the UMAM worksheets provided in the project permit file. Use of the mitigation credits shall be addressed at the time of application for the wetland impact projects.

24. This permit only applies to authorization from the South Florida Water Management District; it is possible that additional permits may be necessary, nothing contained herein relieves the permittee from timely complying with applicable laws of other federal, state or local governments.

40E-4.321 Duration of Permits.

(1) Unless revoked or otherwise modified the duration of an environmental resource permit issued under this chapter or Chapter 40E-40, F.A.C., is as follows:

(a) For a conceptual approval, two years from the date of issuance or the date specified as a condition of the permit, unless within that period an application for an individual or standard general permit is filed for any portion of the project. If an application for an environmental resource permit is filed, then the conceptual approval remains valid until final action is taken on the environmental resource permit application. If the application is granted, then the conceptual approval is valid for an additional two years from the date of issuance of the permit. Conceptual approvals which have no individual or standard general environmental resource permit applications filed for a period of two years shall expire automatically at the end of the two year period.

(b) For a conceptual approval filed concurrently with a development of regional impact (DRI) application for development approval (ADA) and a local government comprehensive plan amendment, the duration of the conceptual approval shall be two years from whichever one of the following occurs at the latest date:

1. The effective date of the local government's comprehensive plan amendment,
2. The effective date of the local government development order,
3. The date on which the District issues the conceptual approval, or
4. The date on which the District issues a final order pertaining to the resolution of any Section 120.57, F.S., administrative proceeding or other legal appeals.

(c) For an individual or standard general environmental resource permit, the construction phase authorizing construction, removal, alteration or abandonment of a system shall expire five years from the date of issuance or such amount of time as made a condition of the permit.

(d) For an individual or standard general environmental resource permit, the operational phase of the permit is perpetual for operation and maintenance.

(e) For a noticed general permit issued pursuant to Chapter 40E-400, F.A.C., five years from the date the notice of intent to use the permit is provided to the District.

(2)(a) Unless prescribed by special permit condition, permits expire automatically according to the timeframes indicated in this rule. If application for extension is made by electronic mail at the District's e-Permitting website or in writing pursuant to subsection (3), the permit shall remain in full force and effect until:

1. The Governing Board takes action on an application for extension of an individual permit, or
2. Staff takes action on an application for extension of a standard general permit.

(b) Installation of the project outfall structure shall not constitute a vesting of the permit.

(3) The permit extension shall be issued provided that a permittee files a written request with the District showing good cause prior to the expiration of the permit. For the purpose of this rule, good cause shall mean a set of extenuating circumstances outside of the control of the permittee. Requests for extensions, which shall include documentation of the extenuating circumstances and how they have delayed this project, will not be accepted more than 180 days prior to the expiration date.

(4) Substantial modifications to Conceptual Approvals will extend the duration of the Conceptual Approval for two years from the date of issuance of the modification. For the purposes of this section, the term "substantial modification" shall mean a modification which is reasonably expected to lead to substantially different water resource or environmental impacts which require a detailed review.

(5) Substantial modifications to individual or standard general environmental resource permits issued pursuant to a permit application extend the duration of the permit for three years from the date of issuance of the modification. Individual or standard general environmental resource permit modifications do not extend the duration of a conceptual approval.

(6) Permit modifications issued pursuant to paragraph 40E-4.331(2)(b), F.A.C. (letter modifications) do not extend the duration of the permit.

(7) Failure to complete construction or alteration of the surface water management system and obtain operation phase approval from the District within the permit duration shall require a new permit authorization in order to continue construction unless a permit extension is granted.

Specific Authority 373.044, 373.113, 668.003, 668.004, 668.50 FS. Law Implemented 373.413, 373.416, 373.419, 373.426, 668.003, 668.004, 668.50 FS. History–New 9-3-81, Amended 1-31-82, 12-1-82, Formerly 16K-4.07(4), Amended 7-1-86, 4-20-94, 10-3-95, 5-28-00, 10-1-06.

NOTICE OF RIGHTS

As required by Sections 120.569(1), and 120.60(3), Fla. Stat., following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a District decision which does or may determine their substantial interests shall file a petition for hearing with the District Clerk within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: 1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or 2) within 14 days of service of an Administrative Order pursuant to Subsection 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of either written notice through mail, or electronic mail, or posting that the District has or intends to take final agency action, or publication of notice that the District has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

Filing Instructions

The Petition must be filed with the Office of the District Clerk of the SFWMD. Filings with the District Clerk may be made by mail, hand-delivery or facsimile. **Filings by e-mail will not be accepted.** Any person wishing to receive a clerked copy with the date and time stamped must provide an additional copy. A petition for administrative hearing is deemed filed upon receipt during normal business hours by the District Clerk at SFWMD headquarters in West Palm Beach, Florida. Any document received by the office of the SFWMD Clerk after 5:00 p.m. shall be filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the SFWMD Clerk, P.O. Box 24680, West Palm Beach, Florida 33416.
- Filings by hand-delivery must be delivered to the Office of the SFWMD Clerk. **Delivery of a petition to the SFWMD's security desk does not constitute filing. To ensure proper filing, it will be necessary to request the SFWMD's security officer to contact the Clerk's office.** An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by facsimile must be transmitted to the SFWMD Clerk's Office at (561) 682-6010. Pursuant to Subsections 28-106.104(7), (8) and (9), Fla. Admin. Code, a party who files a document by facsimile represents that the original physically signed document will be retained by that party for the duration of that proceeding and of any subsequent appeal or subsequent proceeding in that cause. Any party who elects to file any document by facsimile shall be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed with the clerk as a result. The filing date for a document filed by facsimile shall be the date the SFWMD Clerk receives the complete document.

Initiation of an Administrative Hearing
Pursuant to Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 and 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other SFWMD identification number, if known.
2. The name, address and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose to the extension. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

If the District's Governing Board takes action with substantially different impacts on water resources from the notice of intended agency decision, the persons who may be substantially affected shall have an additional point of entry pursuant to Rule 28-106.111, Fla. Admin. Code, unless otherwise provided by law.

Mediation
The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401-.405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW
Pursuant to Sections 120.60(3) and 120.68, Fla. Stat., a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal pursuant to Florida Rule of Appellate Procedure 9.110 in the Fourth District Court of Appeal or in the appellate district where a party resides and filing a second copy of the notice with the SFWMD Clerk within 30 days of rendering of the final SFWMD action.

Last Date For Agency Action: 08-AUG-2008

GENERAL ENVIRONMENTAL RESOURCE PERMIT STAFF REPORT

Project Name: Wetland Creation At Key West Botanical Garden

Permit No.: 44-00410-P

Application No.: 060711-17

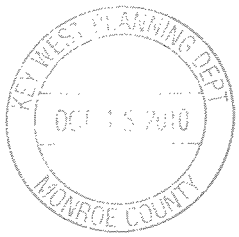
Application Type: Environmental Resource (New General Permit)

Location: Monroe County, S34/T67S/R25E

Permittee : Key West Botanical Garden Society Inc
City Of Key West

Operating Entity : Key West Botanical Garden Society Inc

Project Area: 1.58 acres



Project Land Use: Mitigation

Special Drainage District: NA

Total Acres Presv/Mit Compensation Onsite: .51

Conservation Easement To District : Yes

Sovereign Submerged Lands: No

PROJECT PURPOSE:

This application is a request for an Environmental Resource Permit to authorize construction and operation of a 1.58 acre wetland creation project at Key West Botanical Garden.

PROJECT EVALUATION:

PROJECT SITE DESCRIPTION:

The site is located on Stock Island and within the boundaries of the City of Key West. Currently, the site is degraded upland habitat within the grounds of the Key West Tropical Forest and Botanical Garden in Monroe County. Based on the submitted data, there are no wetlands or other surface waters that will be impacted by the proposed project.

PROPOSED PROJECT:

The applicants propose to create a littoral wetland and associated open water habitat. The wetlands will feature species of plants documented to be native to the City of Key West by the Institute for Regional Conservation (IRC) during their 10-year floristic inventory of South Florida. The wetlands will grade into native upland tropical hammock vegetation that will include rare species identified by the IRC. The project is expected to create significant new habitat for local wetland and upland species as well as migratory bird populations. Wetland mitigation credit is requested by the applicants for this project.

WATER QUALITY :

Based on the submitted documentation, no adverse water quality impacts are anticipated as a result of the proposed project.

WETLANDS:

The proposed project will encompass the construction of wetland habitat and associated passive park facilities from existing uplands (Exhibit 2.0). The proposed wetland area will include approximately 0.51 acre of planted littoral zones and associated open water habitat. Specifically, this acreage is enclosed by the +2.0' NGVD contour which is the maximum estimated monthly elevation for the proposed wetland system (see Exhibit 2.0F). The current project is proposed to create conditions similar to the adjacent Desbian Pond, which is a perched body of water above the existing water table. It is also designed to accommodate influxes of brackish and salt water resulting from hurricane events and extreme high tides. An additional 1.08 acres of tropical hammock upland buffer and associated passive recreational areas will be included adjacent to the wetland area.

The wetland is not currently proposed as wetland mitigation to offset any specific wetland impacts. However, it is understood that this area may be utilized as wetland mitigation in the future. If used as mitigation, a total of 0.22 wetland functional units would be available based on staff's Uniform Wetland Mitigation Assessment Method project scores (see permit file).

Potential use of the functional units generated by wetland creation activities at the Key West Botanical Garden will be addressed at the time of application for future development projects. Specifically, use of the remaining functional units will require regulatory review/approval of the offsite project and associated wetland impacts as well as concurrent modification of the Key West Botanical Garden permit. However, if this permit modification application is submitted after wetland construction is completed, the amount of functional units may subsequently be adjusted based on reduced wetland time lag and risk factors existing at the time of application.

Any proposal to utilize the mitigation authorized under this application, must also meet the full cost accounting provisions of Chapter 373.4145 Florida Statutes.

No additional wetland impacts and/or construction activities are authorized under this permit.

Monitoring/Maintenance:

The applicants propose to monitor the onsite wetland creation area for a minimum of five years to ensure the successful implementation of the wetland creation plan. The perpetual management of this area will be the responsibility of the City of Key West as indicated by Exhibit 3.0.

Wetland Inventory :

CONSTRUCTION NEW -KEY WEST BOTANICAL GARDEN

Site Id	Site Type	Pre-Development				Post-Development						
		Pre Fluccs	AA Type	Acreage (Acres)	Current Wo Pres	With Project	Time Lag (Yrs)	Risk Factor	Pres. Adj. Factor	Post Fluccs	Adj Delta	Functional Gain / Loss
A	ON	170	Restoration/Creation	.51	.00	.80	3	1.75		600	.427	.218
			Total:	.51								.22

Fluccs Code	Description
170	Institutional
600	Wetlands

Wildlife Issues:

No wetland-dependent endangered/threatened species or species of special concern were observed onsite, and submitted information indicates that potential use of the site by such species is minimal. However, the current project is designed to provide additional critical habitat for terrestrial and avian species in Monroe County. Littoral zones as well as deep water habitat will be especially beneficial to seasonal migratory bird populations. This permit does not relieve the applicant from complying with all applicable rules and any other agencies' requirements if, in the future, endangered/threatened species or species of special concern are discovered on the site.

LEGAL ISSUES:

A total of 1.576 acres of wetlands and associated upland buffers will be preserved onsite through the dedication of a conservation easement by the City of Key West to the District per Exhibit 3.1. This wetland creation area and associated upland buffer will be maintained in perpetuity by the City of Key West as indicated by Exhibit 3.0.

The joint conservation easement will be recorded according to the submitted work schedule (Exhibit 3.2). The recorded conservation easement for the creation area shall be in substantial conformance with the draft conservation easement and legal description included as Exhibit 3.1.

CERTIFICATION AND MAINTENANCE OF THE WATER MANAGEMENT SYSTEM:

It is suggested that the permittee retain the services of a Professional Engineer registered in the State of Florida for periodic observation of construction of the surface water management (SWM) system. This will facilitate the completion of construction completion certification Form #0881 which is required pursuant to Section 10 of the Basis of Review for Environmental Resource Permit Applications within the South Florida Water Management District, and Rule 40E-4.361(2), Florida Administrative Code (F.A.C.).

Pursuant to Chapter 40E-4 F.A.C., this permit may not be converted from the construction phase to the operation phase until certification of the SWM system is submitted to and accepted by this District. Rule 40E-4.321(7) F.A.C. states that failure to complete construction of the SWM system and obtain operation phase approval from the District within the permit duration shall require a new permit authorization unless a permit extension is granted.

For SWM systems permitted with an operating entity who is different from the permittee, it should be noted that until the permit is transferred to the operating entity pursuant to Rule 40E-1.6107, F.A.C., the permittee is liable for compliance with the terms of this permit.

The permittee is advised that the efficiency of a SWM system will normally decrease over time unless the system is periodically maintained. A significant reduction in flow capacity can usually be attributed to partial blockages of the conveyance system. Once flow capacity is compromised, flooding of the project may result. Maintenance of the SWM system is required to protect the public health, safety and the natural resources of the state. Therefore, the permittee must have periodic inspections of the SWM system performed to ensure performance for flood protection and water quality purposes. If deficiencies are found, it is the responsibility of the permittee to correct these deficiencies in a timely manner.

RELATED CONCERNS:

Water Use Permit Status:

The applicant has indicated that the public water supply will be used as a source for irrigation water for the project, if any is required at all. No water is proposed to be withdrawn from excavated areas.

The applicant has indicated that dewatering is not required for construction of this project.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation, unless the work qualifies for a No-Notice Short-Term Dewatering permit pursuant to Chapter 40E-20.302(3) or is exempt pursuant to Section 40E-2.051, FAC.

CERP:

The proposed project is not located within or adjacent to a Comprehensive Everglades Restoration Project component.

Potable Water Supplier:

Florida Keys Aqueduct Authority

Right-Of-Way Permit Status:

A Right-of-Way Permit is not required for this project.

DRI Status:

This project is not a DRI.

Historical/Archeological Resources:

No information has been received that indicates the presence of archaeological or historical resources or that the proposed activities could cause adverse impacts to archaeological or historical resources.

DCA/CZM Consistency Review:

The District has not received a finding of inconsistency from the Florida Department of Environmental Protection or other commenting agencies regarding the provisions of the federal Coastal Zone Management Plan.

Third Party Interest:

No third party has contacted the District with concerns about this application.

Enforcement:

There has been no enforcement activity associated with this application.

STAFF REVIEW:

DIVISION APPROVAL:

NATURAL RESOURCE MANAGEMENT:

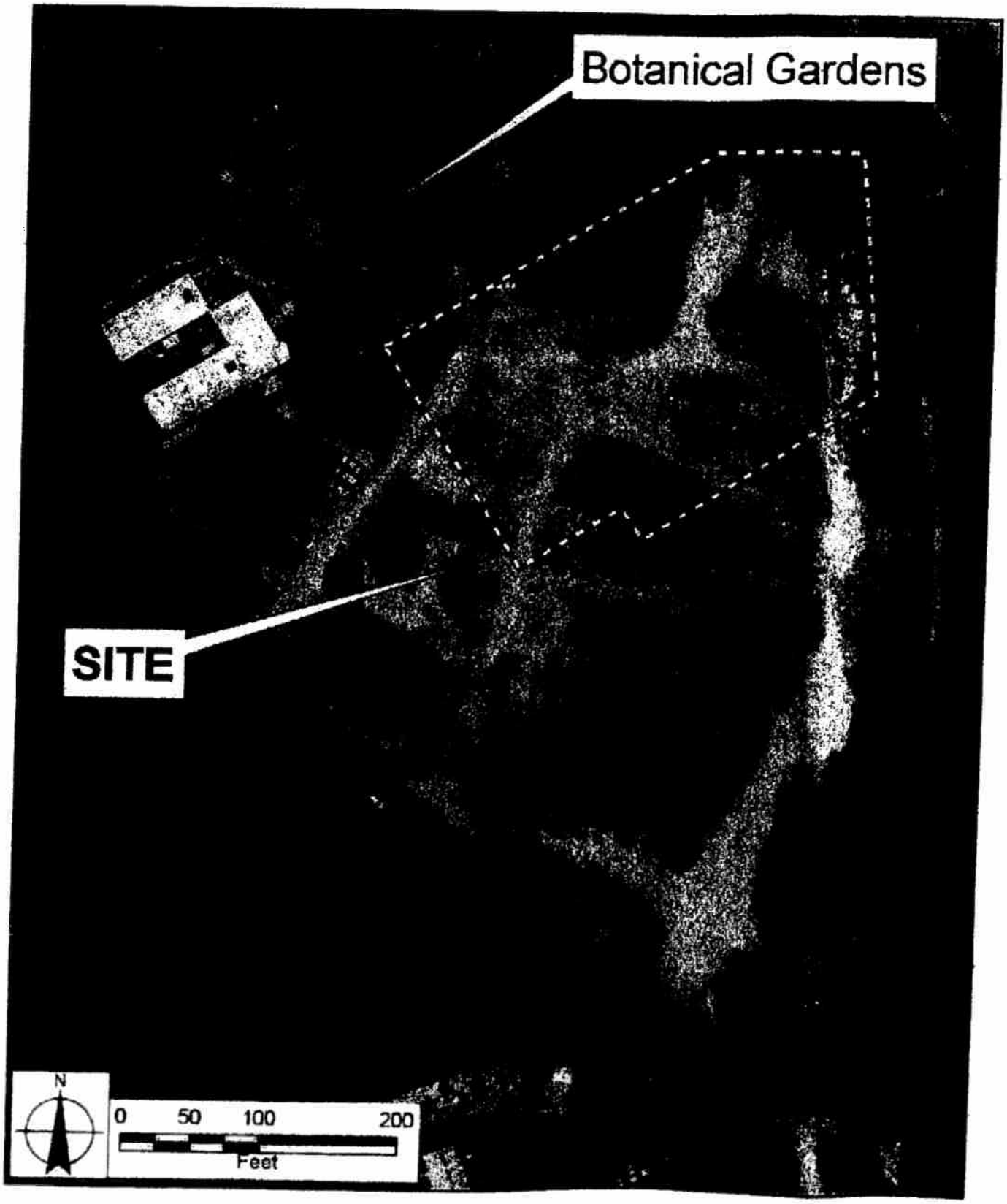
Barbara J. Conmy

DATE: 8/7/08

SURFACE WATER MANAGEMENT:

Carlos A. DeRojas, P.E.

DATE: 8/7/08



STOCK ISLAND (WITHIN KEY WEST CITY LIMITS)

EXHIBIT 1.0

KEY WEST TROPICAL FOREST & BOTANICAL GARDEN
PHASE ONE POND PROJECT

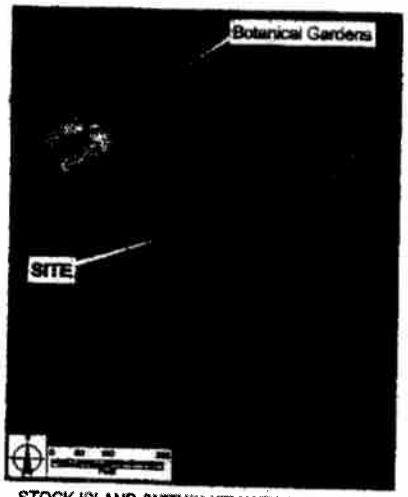
JANUARY 2008

FUNDING

MONROE COUNTY TOURIST DEVELOPMENT COUNCIL
Jean Bronaugh
P.O. Box 866 Key West, Florida 33040
(305) 296-1552

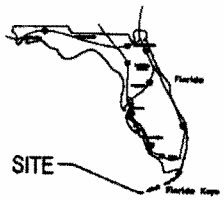
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
3301 Gun Club Road, MSC 4250, West Palm Beach, Florida 33416
(561) 686-8800

FLORIDA DEPT. OF COMMUNITY AFFAIRS
FLORIDA COMMUNITIES TRUST
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399
(850) 922-1700



STOCK ISLAND (WITHIN KEY WEST CITY LIMITS)

LIST OF DRAWINGS



OWNER

SITE
Key West Tropical Forest and Botanical Garden
5210 College Road, Key West, Florida 33040
(305) 296-1504

ENTITY
Key West Botanical Garden Society, Inc.
P.O. Box 2436 Key West, Florida 33045
(305) 296-1504
kwbgsinc@bellsouth.net

OWNER'S REPRESENTATIVE
Carolann Sharkey, Chairman and Volunteer
Key West Botanical Garden Society, Inc.
P.O. Box 2436 Key West Florida 33045
(305) 296-1504

James Taylor, AICP
IBI Group, Inc.
1519 Main Street Sarasota, Florida 34236
(941) 954-1718
jtaylor@ibigroup.com

KEY WEST PLANNING BOARD
OCT 15 2008
MONROE COUNTY

CONSULTANTS

IBI GROUP
Urban Land, Facilities, Transportation & Systems
1519 Main Street
Sarasota, Florida, 34236
(941) 954-1718
www.ibigroup.com

JUNGLES LANDSCAPE
RAYMOND JUNGLES INCORPORATED,
Landscape Architect ASLA
242 SW 5th Street, Miami, Florida 33130
PH(305)858-6777 FAX (305)858-0742
raymond@raymondjungles.com

FREDERICK H. HILDEBRANDT P.E.
Engineer Planner Surveyor
3150 Headlands Drive, Key West, Florida 33040 (305) 293-0468 Fax. (305) 293-0237

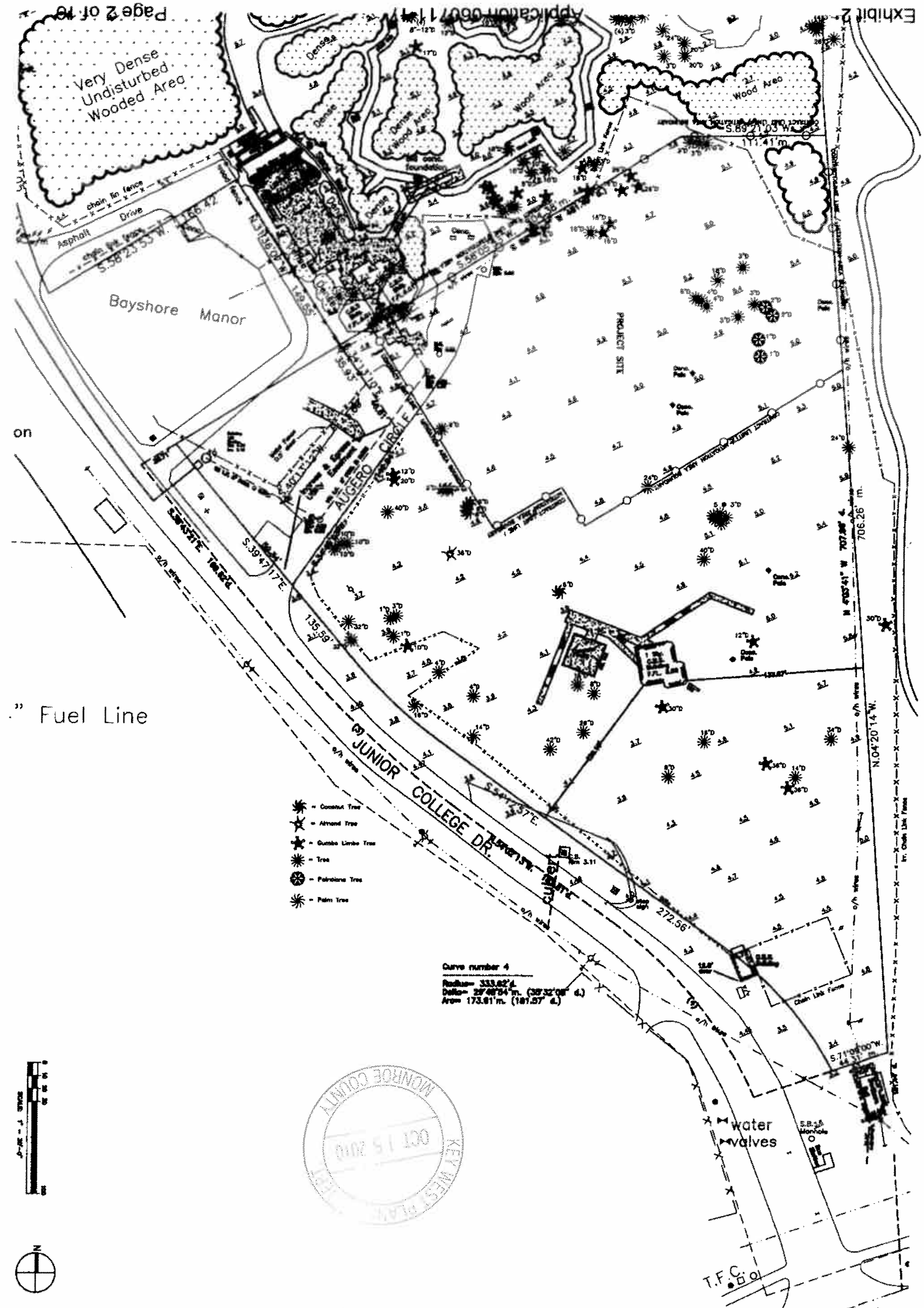
Institute for Regional Conservation
George Gann
22801 S.W. 152 Ave.
Miami, FL 33170
(305) 247-8547

Hydrologic Associates U.S.A. Inc.
Bentley Waller
8736 E. Hibiscus Street, Unit C
Palmetto Bay, FL 33157
(305) 252-7118

Stuart Pimm, Ph. D.
Conservation Biologist
Duke University
A301 LSRC
Box 90328
Durham, NC 27708
(919) 613-8141

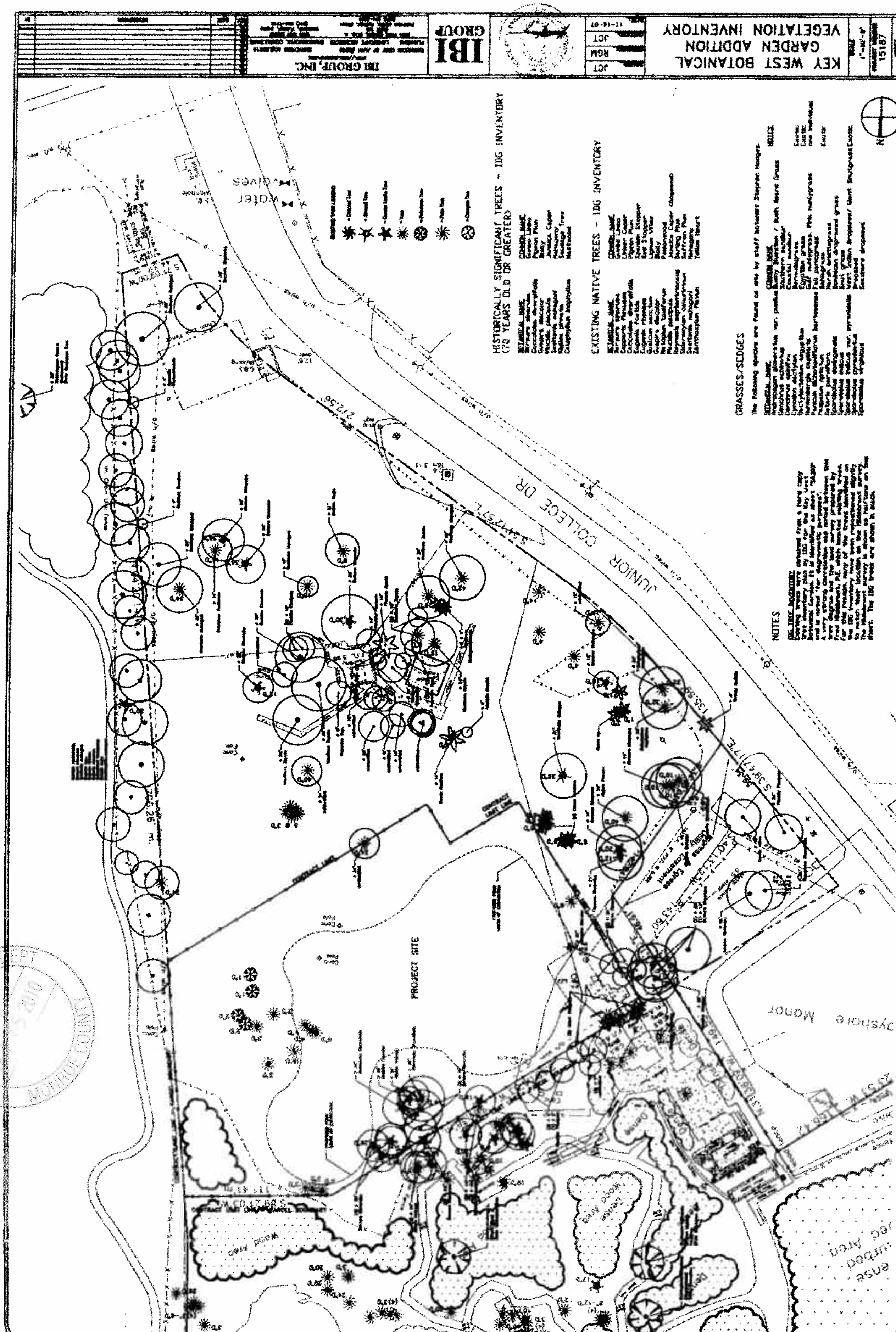
Donald W. Sheckelford P.E.
Structural Engineer PE 24803, CA 6021
7810 SW 86TH ST. Miami, FL 33143
(305) 271-8048

060711:17
ADD/REVISED SUBMITTAL
APR 15 2008

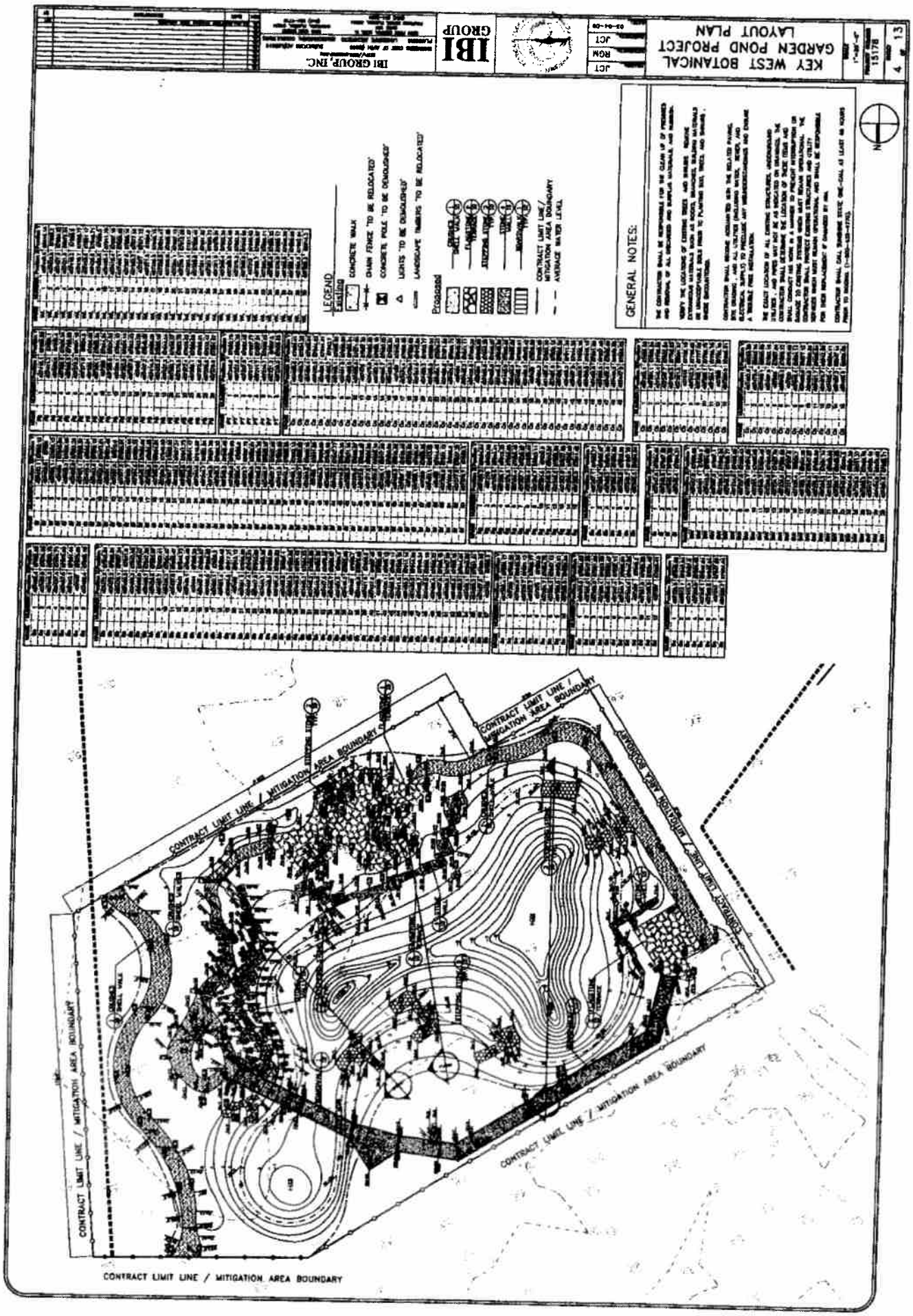


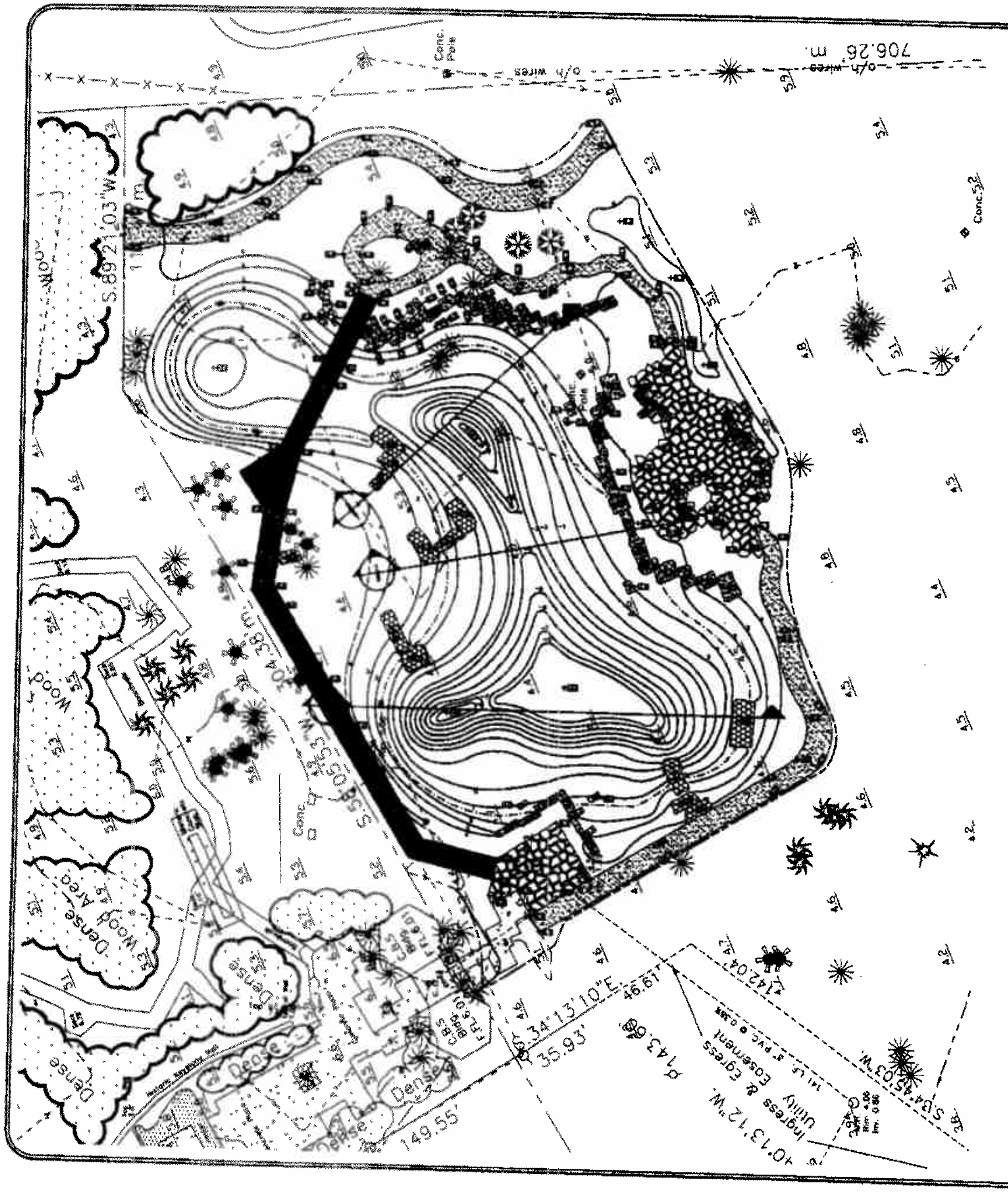
Sheet Description:	Project:		
Topographical Survey	Botanical Garden Addition Stock Island	FREDERICK H. HILDEBRANDT Engineer Planner surveyor 3152 Northside Drive, Key West, Florida 33040 (305) 293-0486 Fax. (305) 293-0237	Date: 9/21/06 Designed: F.H.H. Drawn: Checked: Job. No. Sheet No. 1

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY


KEY WEST BOTANICAL
GARDEN ADDITION
VEGETATION INVENTORY
IBI GROUP
IBI GROUP, INC.
JUNIOR COLLEGE DR.
PROJECT SITE
HISTORICALLY SIGNIFICANT TREES - IDG INVENTORY
(70 YEARS OLD OR GREATER)
EXISTING NATIVE TREES - IDG INVENTORY
GRASSES/SEDGES
NOTES
Wood Area
Dense Wood Area

KEY WEST BOTANICAL
GARDEN ADDITION
DEMOLITION PLAN
IBI GROUP
IBI GROUP, INC.
LEGEND
CONCRETE WALK
CHAIN FENCE
CONCRETE POLE
UGITS
LANDSCAPE TIMBERS
GRADING LIMIT LINE
SILT FENCE
CONSTRUCTION FENCE
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY


KEY WEST BOTANICAL
GARDEN POND PROJECT
LAYOUT PLAN
IBI GROUP
IBI GROUP, INC
GENERAL NOTES:
LEGEND
CONCRETE WALK
CHAIN FENCE 'TO BE RELOCATED'
CONCRETE POLE 'TO BE DEMOLISHED'
LIGHTS 'TO BE DEMOLISHED'
LANDSCAPE TIMBERS 'TO BE RELOCATED'
Proposed
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
AVERAGE WATER LEVEL
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY



LEGEND

Existing

- CONCRETE WALK
- CHAIN FENCE 'TO BE RELOCATED'
- CONCRETE POLE 'TO BE DEMOLISHED'
- 5.1 EXISTING ELEVATION SPOTS
- LIGHTS 'TO BE DEMOLISHED'
- LANDSCAPE TIMBERS 'TO BE RELOCATED'

Proposed

- CRUSHED SHELL WALK
- FLAGSTONE TERRACE
- STEPPING STONE
- STONE WALL
- BOARDWALK
- CONTRACT LIMIT LINE/MITIGATION AREA BOUNDARY
- 5.1 PROPOSED ELEVATION SPOTS
- CONTOUR LINES
- AVERAGE WATER LEVEL
- GRADING LIMIT LINE

NOTES:

1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNERS REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
2. ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES.
3. ALL GRADING SHALL BE COMPLETED TO THE LEVEL OF FINISHING INDICATED BY THE SCOPE OF WORK LISTED IN THE BID SPECIFICATION.
5. GRADING SHOWN IS TO FINISH GRADE.
6. ALL ELEVATION ARE REFERRED TO "NGVD OF 1929" OR "MEAN SEA LEVEL."

WATER DATA:

MEAN HIGH WATER	+ 0.75'
GROUND WATER	+ 1.50'
MAXIMUM MONTHLY ELEVATION	+ 2.00'

ELEVATIONS REFER TO NGVD OF 1929 OR MEAN SEA LEVEL.

CALL 48 HOURS BEFORE YOU DIG
It's the Law
1-800-432-4

IBI GROUP

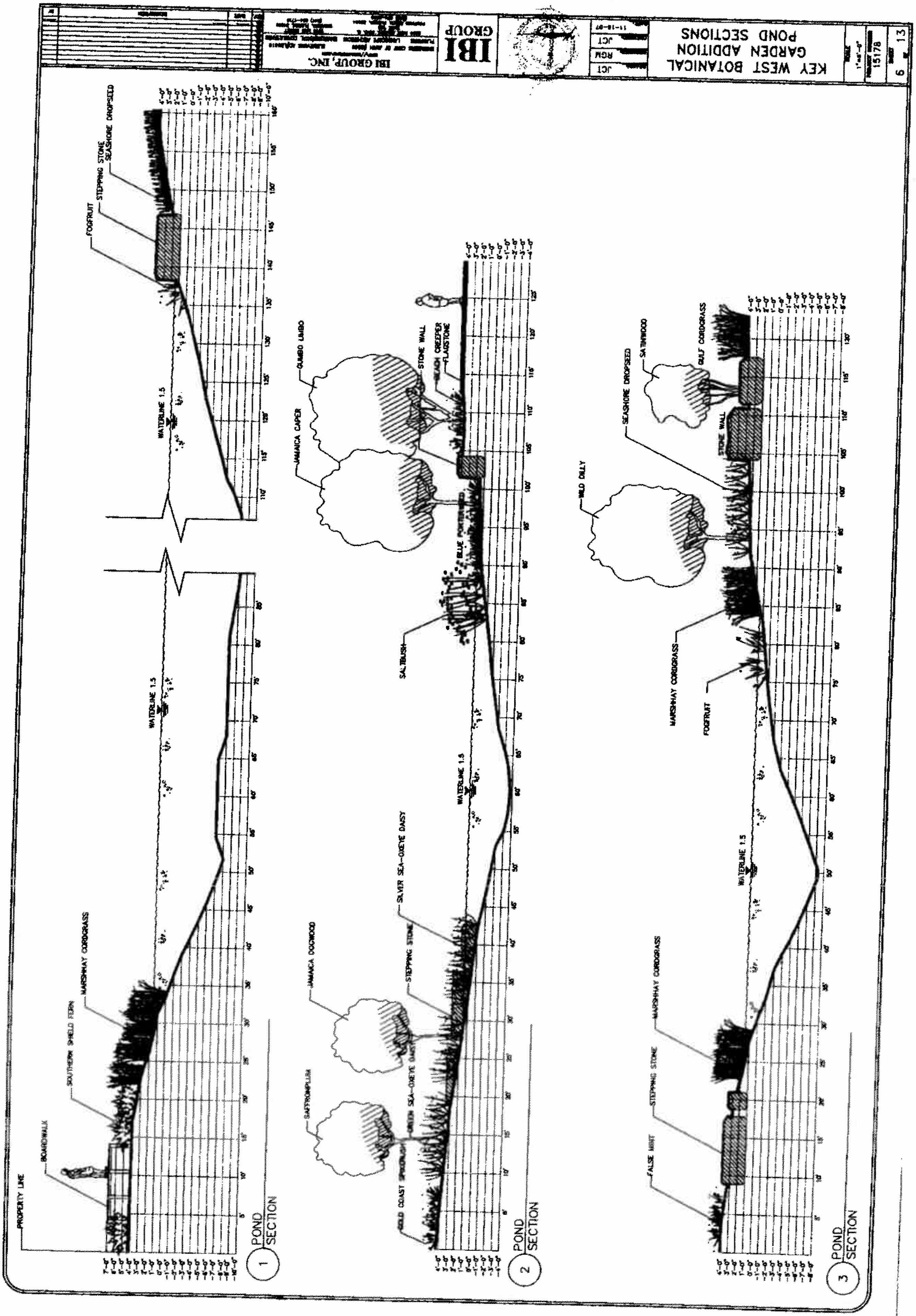
IBI GROUP, INC.

KEY WEST BOTANICAL GARDEN ADDITION GRADING PLAN

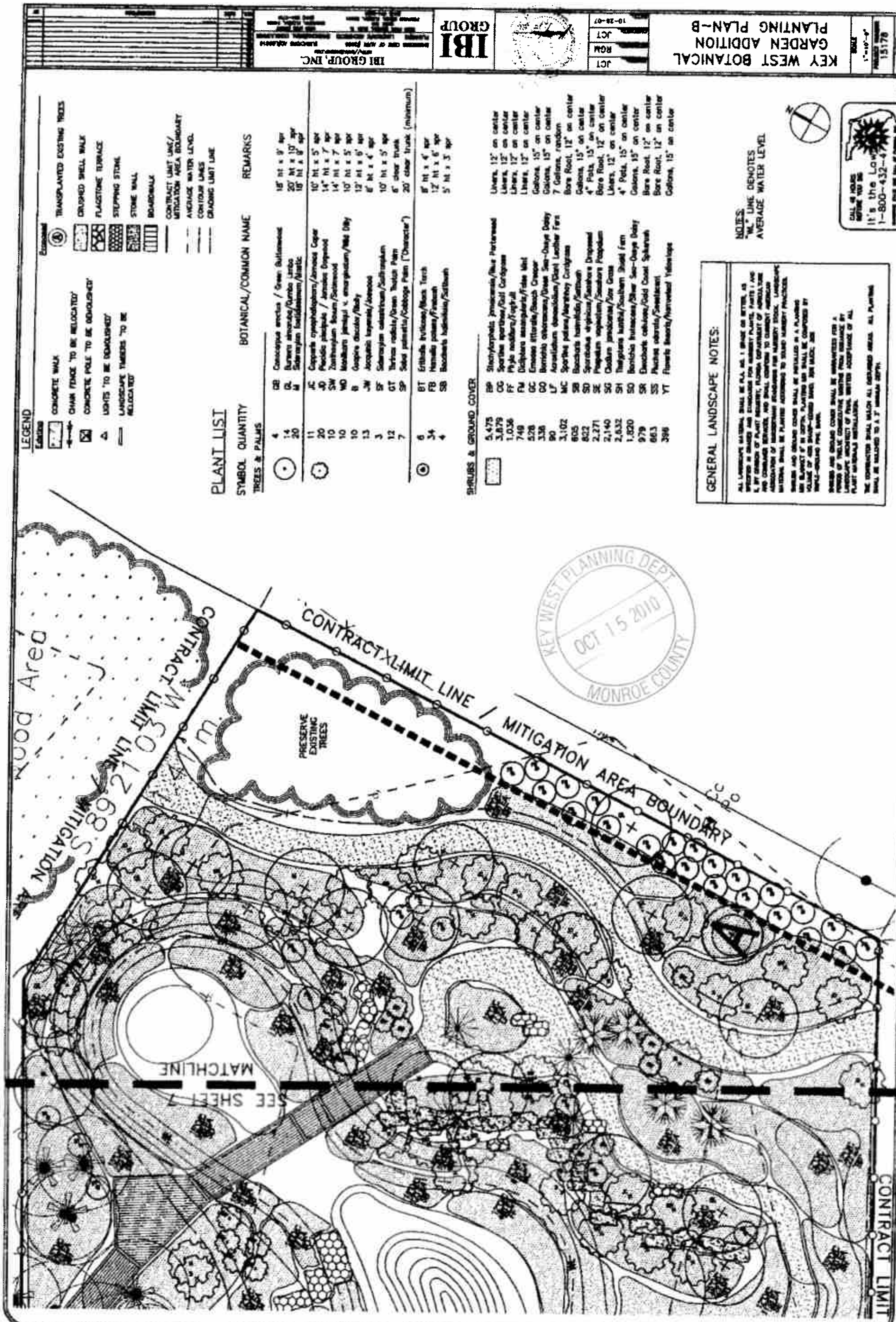
SCALE 1"=30'-0"

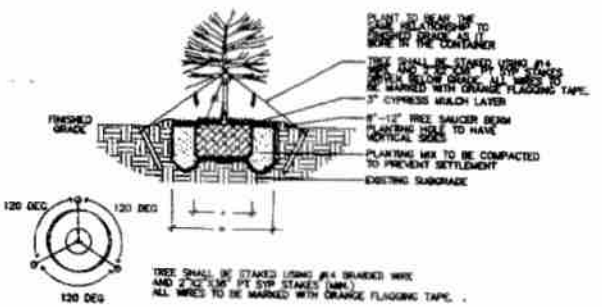
PROJECT NUMBER 15178

SHEET 5 of 15

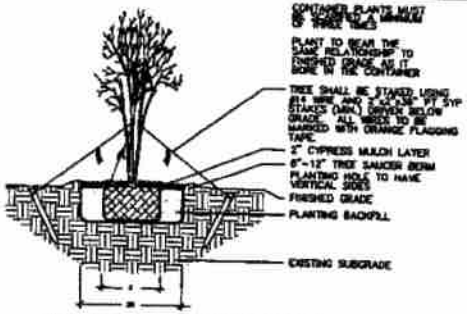

KEY WEST BOTANICAL
GARDEN ADDITION
POND SECTIONS
IBI GROUP
IBI GROUP, INC.
15178
1 POND SECTION
2 POND SECTION
3 POND SECTION
PROPERTY LINE
BOARDWALK
SOUTHERN SHIELD FERN
MARSHHAY CORDGRASS
WATERLINE 1.5
FOGFRUIT
STEPPING STONE
SEASHORE DROPSEED
GOLD COAST SPIKERUSH
GREEN SEA-OXEYE DAISY
SAFFRONPLUM
JAMAICA DOGWOOD
SILVER SEA-OXEYE DAISY
SALTBUSH
BLUE PORTERWEED
JAMAICA CAPER
GUMBO LIMBO
STONE WALL
BEACH CREEPER
FLAGSTONE
FALSE MINT
WILD DILLY
SATINWOOD
GULF CORDGRASS

KEY WEST BOTANICAL
GARDEN ADDITION
PLANTING PLAN-A
IBI GROUP
IBI GROUP, INC.
LEGEND
CONCRETE WALK
CHAIN FENCE "TO BE RELOCATED"
CONCRETE POLE "TO BE DEMOLISHED"
LIGHTS "TO BE DEMOLISHED"
LANDSCAPE TIMBERS "TO BE RELOCATED"
Proposed
CRUSHED SHELL WALK
FLAGSTONE TERRACE
STEPPING STONE
STONE WALL
BOARDWALK
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
AVERAGE WATER LEVEL
CONTOUR LINES
GRADING LIMIT LINE
MATCHLINE
SEE SHEET 8
NOTES
"AL" LINE DENOTES
AVERAGE WATER LEVEL
MONROE COUNTY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY


KEY WEST BOTANICAL
GARDEN ADDITION
PLANTING PLAN-B
IBI GROUP
IBI GROUP, INC.
LEGEND
PLANT LIST
SYMBOL QUANTITY
BOTANICAL/COMMON NAME
REMARKS
TREES & PALMS
SHRUBS & GROUND COVER
GENERAL LANDSCAPE NOTES:
NOTES:
"AL" LINE DENOTES AVERAGE WATER LEVEL
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE MITIGATION
S 89°21'03" W
PRESERVE EXISTING TREES
MATCHLINE
SEE SHEET 7
CONTRACT LIMIT
KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

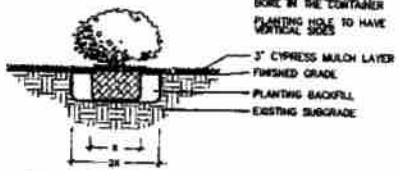


TREE PLANTING DETAIL

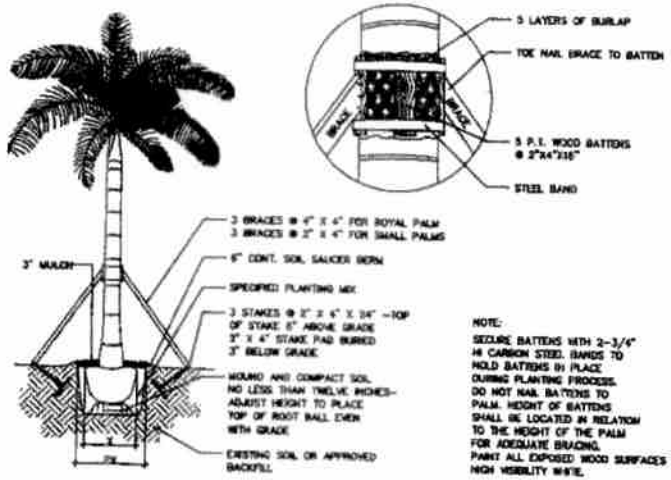


NOTE: ALL TREES SHALL BE WATERED IN THOROUGHLY WITH A HIGH PRESSURE WATER NOZZLE AND PACKED WITH SOIL TO REMOVE EXISTING AIR POCKETS AND TO PREVENT FURTHER TREE SETTLEMENT

MULTI-TRUNK TREE PLANTING DETAIL

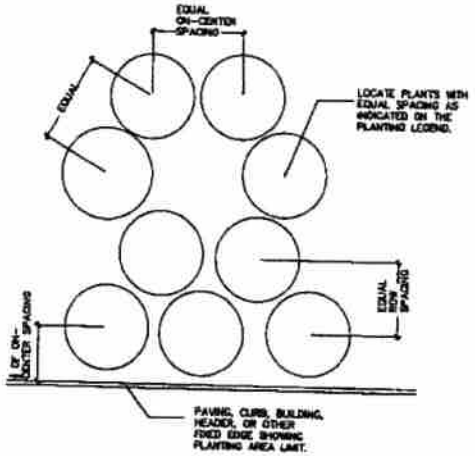


SHRUB/GROUNDCOVER PLANTING DETAIL



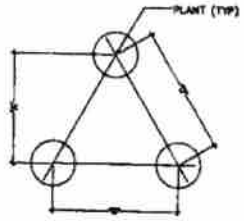
NOTE:
SECURE BATTENS WITH 2-3/4" #8 CARBON STEEL BANDS TO HOLD BATTENS IN PLACE DURING PLANTING PROCESS. DO NOT NAIL BATTENS TO PALM. HEIGHT OF BATTENS SHALL BE LOCATED IN RELATION TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING. PAINT ALL EXPOSED WOOD SURFACES HIGH VISIBILITY WHITE.

PALM PLANTING AND STAKING DETAIL - PLANTER



SHRUB SPACING

PLANT SPACING DETAIL



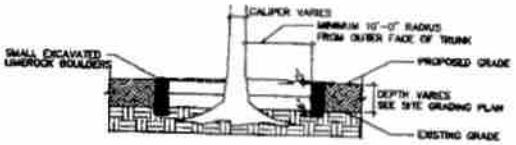
TRIANGULAR PLANT SPACING CHART FOR GROUNDCOVERS AND PERENNIALS

ROW "D"	"A"
18" O.C.	18" O.C.
24" O.C.	21" O.C.
36" O.C.	31" O.C.

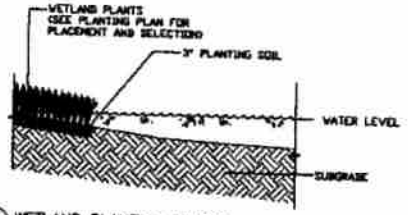
GROUNDCOVER & PERENNIAL SPACING

NOTES: PLANTING SOIL MIX

PLANTING SOIL MIX - 1/3 TOPSOIL, 1/3 SAND, 1/3 TRIPLE-GROUND PINE BARK.



TREE WELL SECTION



WETLAND PLANTING SECTION

IBI GROUP, INC.

IBI GROUP

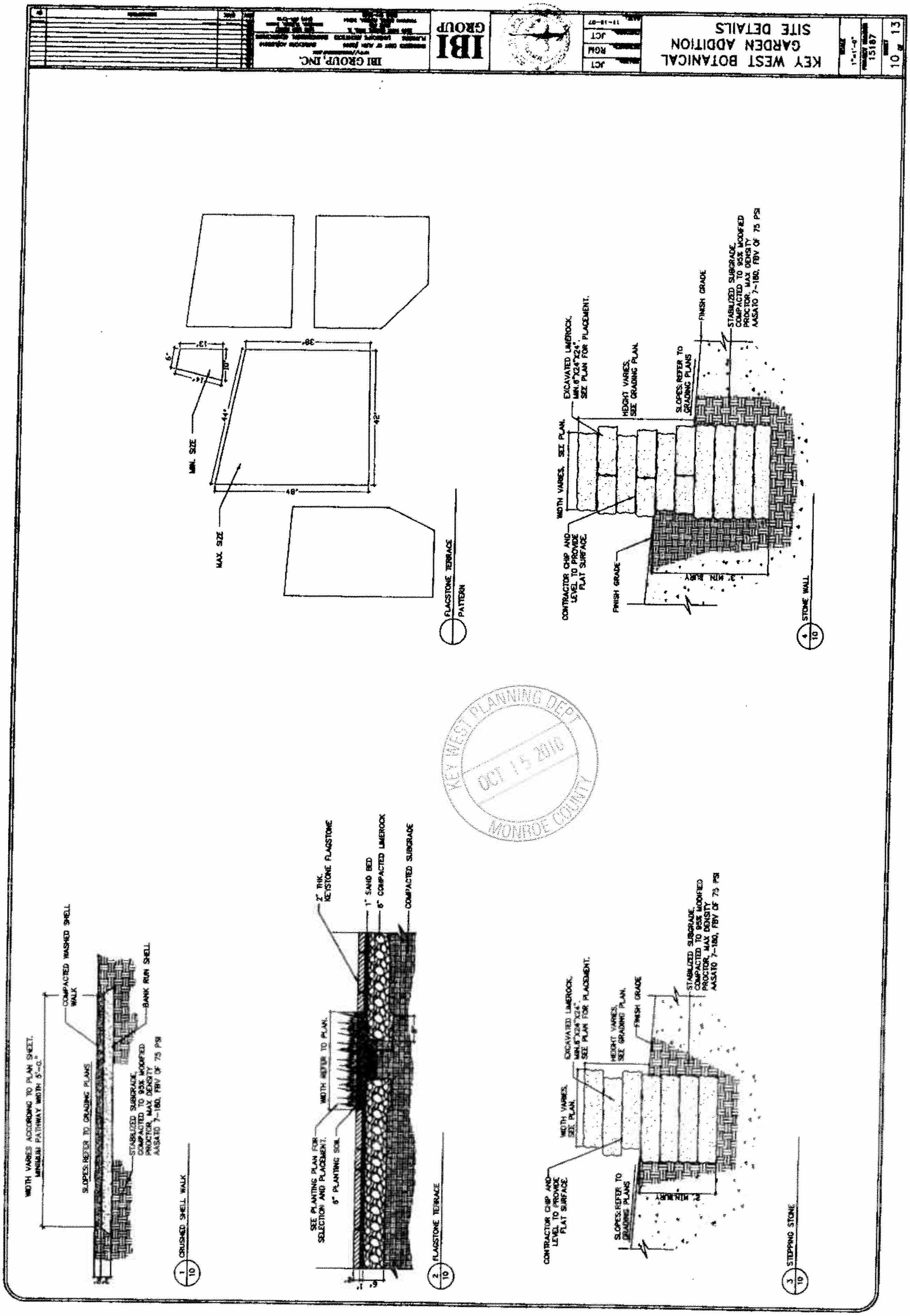
JCT ROM JCT 11-15-07

KEY WEST BOTANICAL GARDEN ADDITION
LANDSCAPE DETAILS

SCALE: AS NOTED

Project Number: 15187

9 13


KEY WEST BOTANICAL
GARDEN ADDITION
SITE DETAILS
IBI GROUP
IBI GROUP, INC.
15187
10 of 13
CRUSHED SHELL WALK
FLAGSTONE TERRACE
STEPPING STONE
FLAGSTONE TERRACE PATTERN
STONE WALL
MAX. SIZE
MIN. SIZE
KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

LEGEND

Existing

- CONCRETE WALK
- CHAIN FENCE "TO BE RELOCATED"
- CONCRETE POLE "TO BE DEMOLISHED"
- LIGHTS "TO BE DEMOLISHED"
- LANDSCAPE TIMBERS "TO BE RELOCATED"

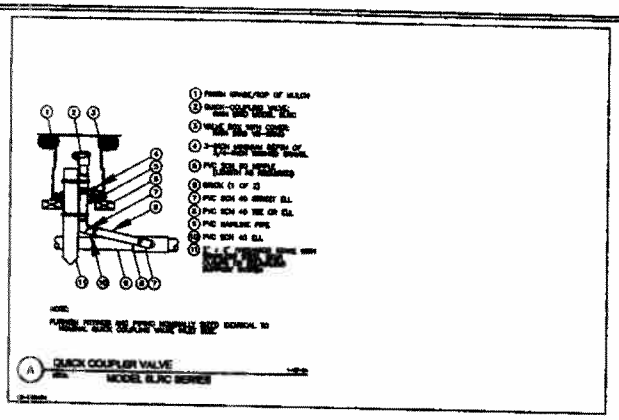
Proposed

- CRUSHED SHELL WALK
- FLAGSTONE TERRACE
- STEPPING STONE
- STONE WALL
- BOARDWALK
- CONTRACT LIMIT LINE/ MITIGATION AREA BOUNDARY
- AVERAGE WATER LEVEL

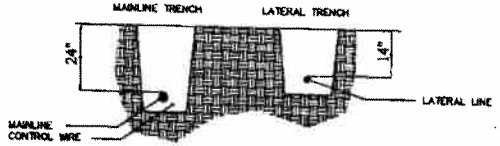
Irrigation Legend

⊕ RAINBIRD 5LRC 1" QUICK COUPLER VALVE 1-PIECE BODY W/LOCKING RUBBER COVER, PROVIDE FIVE (5) RAINBIRD LOCKING COVER KEYS.
PROVIDE FIVE (5) RAINBIRD 44K 1" VALVE KEYS.

LOOP MAIN IS LOCATED FOR VISUAL CLARITY ONLY. IRRIGATION CONTRACTOR MAY MAKE SUCH ALIGNMENT OF LOOP MAIN AND LATERALS AS NECESSITATED BY FIELD CONDITIONS. AVOID DAMAGING ROOTS OF EXISTING TREES. COMPLY WITH SLEEVING REQUIREMENTS.



A QUICK COUPLER VALVE
MODEL 5LRC SERIES



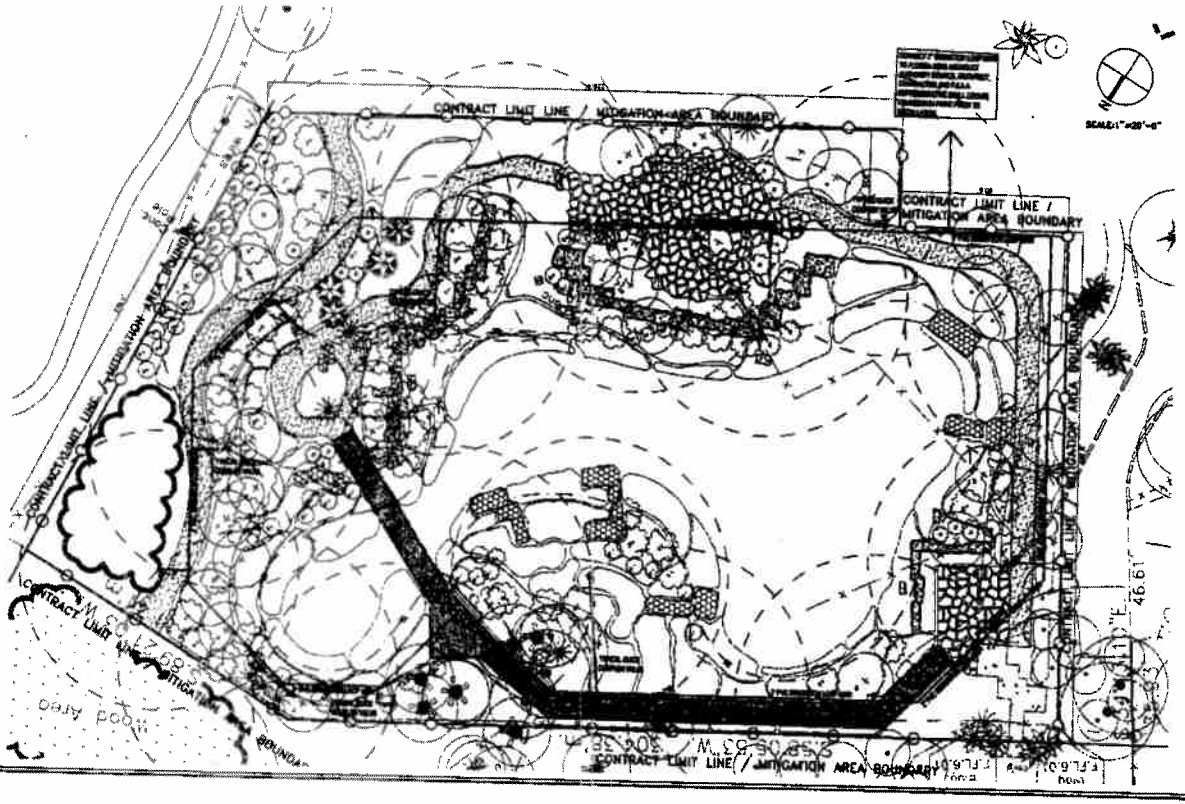
TYPICAL TRENCH SECTIONS
NOT TO SCALE

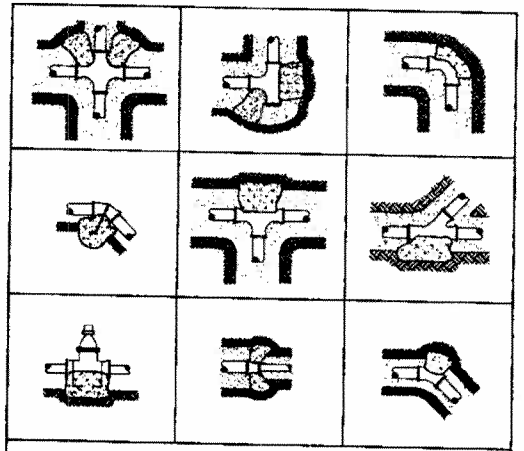
PIPE SIZING CHART
SCH. 40 PVC PIPE

ACCUMULATED THEORETICAL GPM	PIPE SIZE
0 - 8	3/4"
9 - 10	1"
11 - 30	1-1/2"
31 - 50	2"
51 - 70	2-1/2"
71 - 100	3"
101 - 175	4"

SLEEVE SIZING CHART
SCH. 40 PVC PIPE

PIPE SIZE	SLEEVE SIZE
3/4"	1-1/2"
1"	2"
1-1/2"	3"
2"	4"
2-1/2"	6"
3"	6"
4"	10"
6"	





THRUST BLOCK DETAIL

IBI GROUP, INC.

IBI GROUP

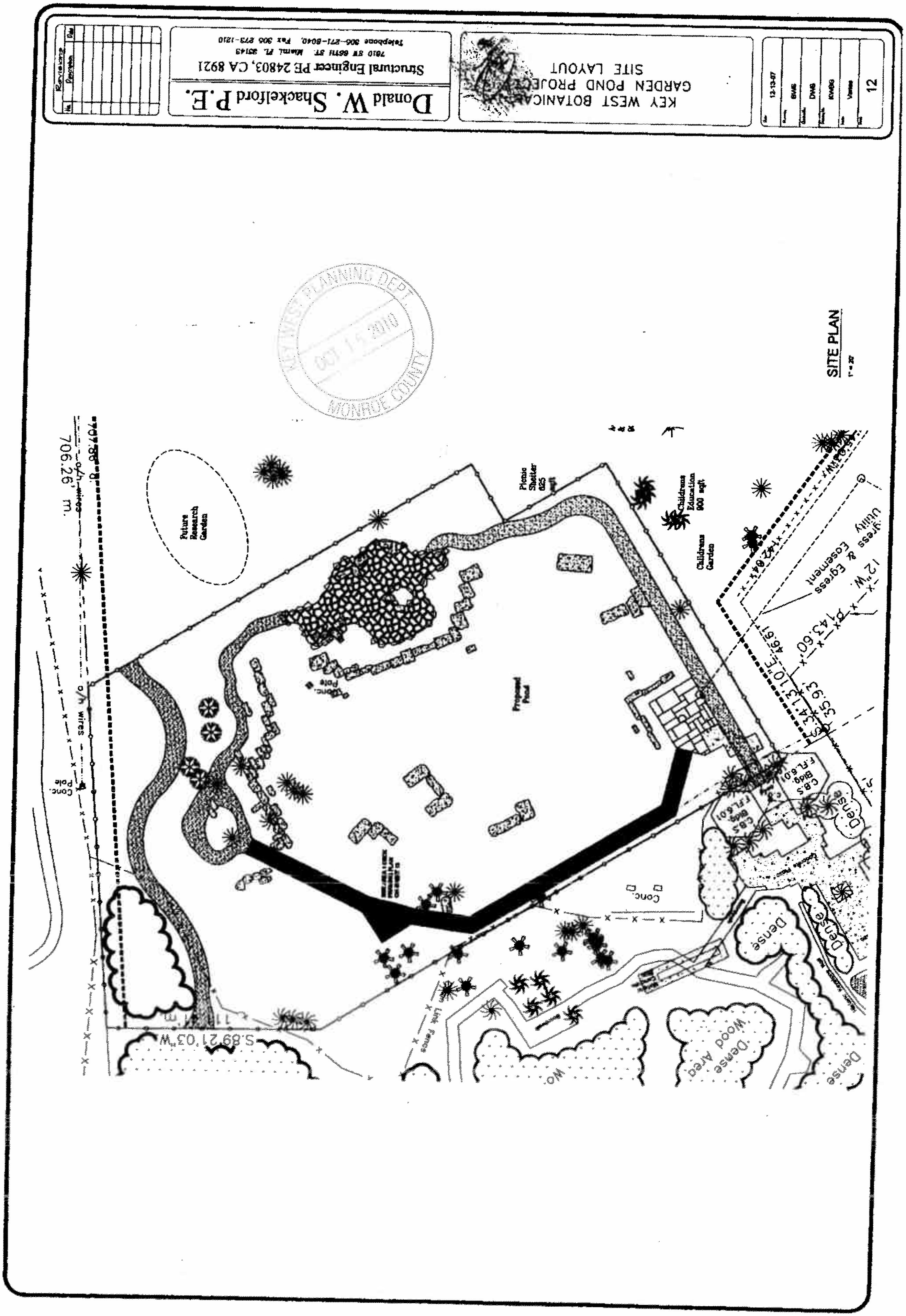
JCT RGM JCT 12-13-07

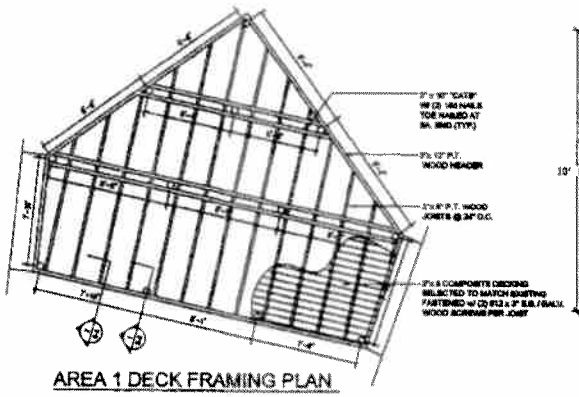
KEY WEST BOTANICAL GARDEN ADDITION IRRIGATION PLAN

SCALE: AS NOTED

PROJECT NUMBER: 15178

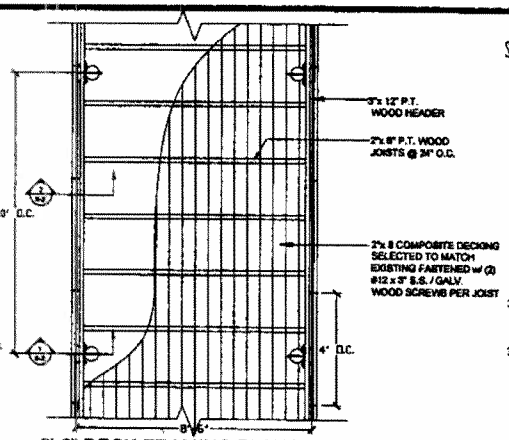
SHEET: 11 of 13


Donald W. Shackelford P.E.
Structural Engineer PE 24803, CA 8921
KEY WEST BOTANICAL
GARDEN POND PROJECT
SITE LAYOUT
12
KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY
SITE PLAN
Future Research Garden
Picnic Shelter
Childrens Education 900 sqft
Childrens Garden
Proposed Pond
Conc. Pole
C.B.S. Bldg.
Dense
Dense Wood Area
Ingress & Egress Easement
706.26' m.
S.89°21'03"W
143.60'
Link Fence



AREA 1 DECK FRAMING PLAN

SCALE = 1/4" = 1'-0"



8'-6" DECK FRAMING PLAN TYPICAL

SCALE = 1/2" = 1'-0"

STRUCTURAL NOTES

1. GENERAL:

2. MORTAR:

3. REINFORCING:

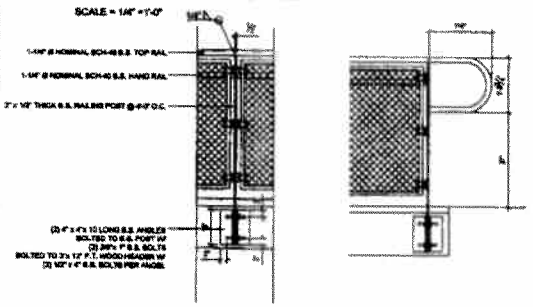
3.1 ADMIXTURES:

3.2 TESTS

4. CONCRETE QUALITY:

5. LUMBER:

6. SITE PREPARATION

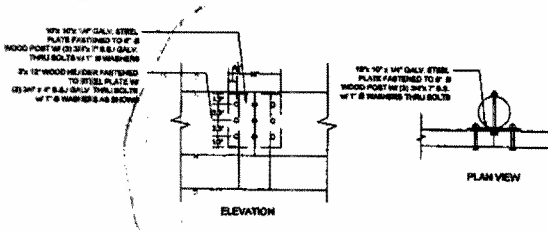


TYPICAL RAILING ELEVATION

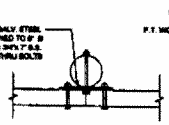
SCALE = 3/4" = 1'-0"

TYPICAL RAILING END DETAIL

SCALE = 3/4" = 1'-0"



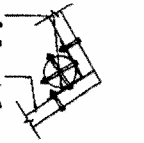
ELEVATION



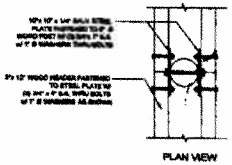
PLAN VIEW

DETAIL A

SCALE = NTS



TYPICAL BENT PLATE AT CORNERS



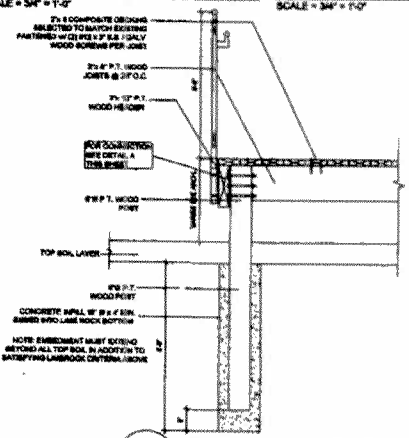
PLAN VIEW

DETAIL B

SCALE = NTS

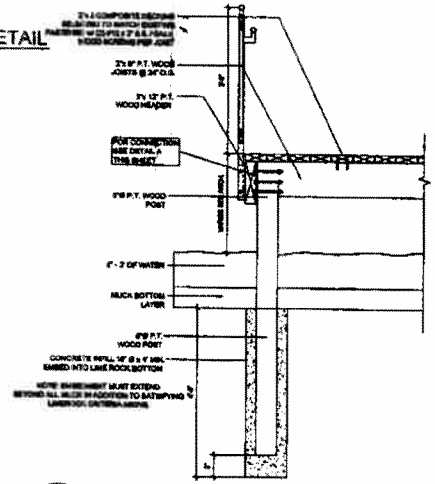
PLANS PER 2004 F.B.C.

WIND LOADING AS PER ASCE 7-02, 150 MPH. CAT II., EXP. C, OPEN BUILDING - OTHER STRUCTURES



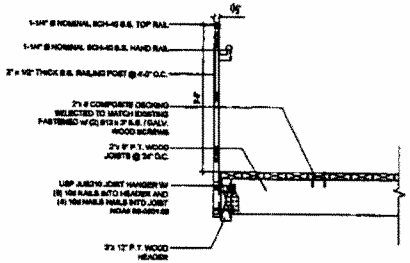
1 S-2 WALKWAY SECTION OVER LAND

SCALE = 3/4" = 1'-0"



1 S-2 WALKWAY SECTION OVER WATER

SCALE = 3/4" = 1'-0"



2 S-2 TYPICAL SECTION

SCALE = 3/4" = 1'-0"

Donald W. Shackelford P.E.

Structural Engineer PE 24803, CA 8921

7800 SW 64TH ST. Miami, FL. 33143

Telephone 305-271-4640, Fax 305 273-1210

KEY WEST BOTANICAL GARDEN POND PROJECT

SITE LAYOUT

12-13-07

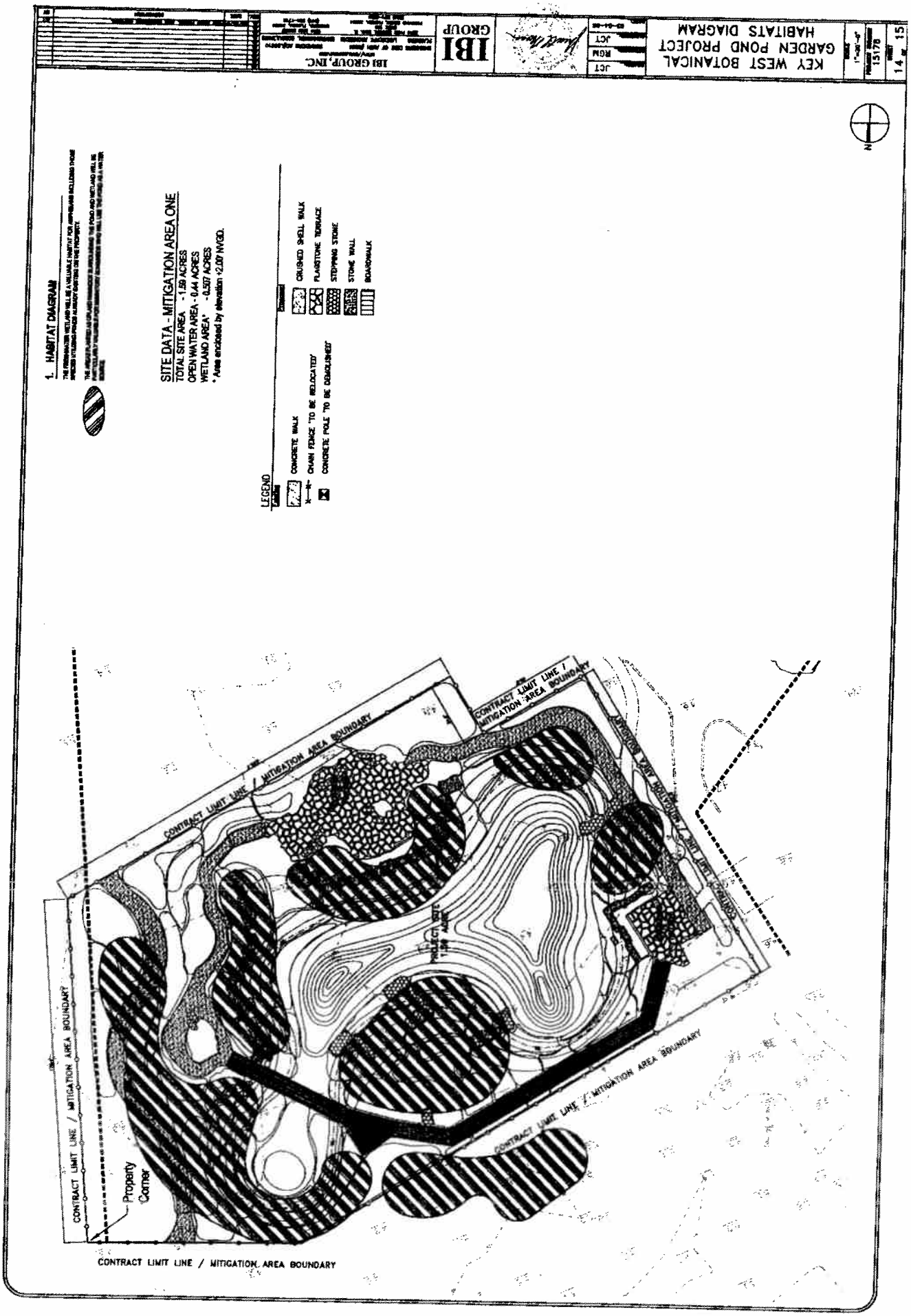
DWB

DWB

IDABO

Vistas

13


KEY WEST BOTANICAL
GARDEN POND PROJECT
HABITATS DIAGRAM
IBI GROUP
IBI GROUP, INC
1. HABITAT DIAGRAM
SITE DATA - MITIGATION AREA ONE
TOTAL SITE AREA - 1.59 ACRES
OPEN WATER AREA - 0.44 ACRES
WETLAND AREA* - 0.507 ACRES
* Area enclosed by elevation +2.00' NVGD.
LEGEND
CONCRETE WALK
CHAIN FENCE TO BE RELOCATED
CONCRETE POLE TO BE DEMOLISHED
CRUSHED SHELL WALK
FLAGSTONE TERRACE
STEPPING STONE
STONE WALL
BOARDWALK
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
Property Corner
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY

KEY WEST BOTANICAL GARDEN POND PROJECT
MONITORING PLAN

IBI GROUP

IBI GROUP, INC.

1. WETLAND MONITORING PLAN

SITE DATA - MITIGATION AREA ONE
TOTAL SITE AREA - 1.58 ACRES
OPEN WATER AREA - 0.44 ACRES
WETLAND AREA* - 0.937 ACRES
* Area enclosed by elevation +2.00' NVGD.

LEGEND
- CONCRETE WALK
- CHAIN FENCE "TO BE RELOCATED"
- CONCRETE POLE "TO BE DEMOLISHED"
- CRUSHED SHELL WALK
- FLAGSTONE TERRACE
- STEPPING STONE
- STONE WALL
- BOARDWALK
- SAMPLE CELL
- PHOTO POINTS
- WALKING TRANSECT
- STAFF GAUGE

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
Property Corner
PROJECT SITE
1.58 ACRE

Project: Key West Botanical Gardens
Application #: 060711-17
Site: 1.006 Acres of Parcel as Described in Attached Sketch and Legal Description
Owner/Applicant: City of Key West/Key West Botanical Garden Society
Location: Stock Island, Monroe County, FL

Wetland Mitigation Area
Monitoring and Maintenance Plan

PURPOSE
The purpose of this plan is to provide a summary of strategies for wetland mitigation monitoring of the wetland areas located within Mitigation Area One of the Key West Botanical Gardens.

SCHEDULE OF MONITORING EVENTS
The wetland mitigation area monitoring events will begin at the Time Zero event and continue for a period of five years. The wetland mitigation area will be monitored quarterly for planting success, amount of desirable wetland plant recruitment, wildlife utilization, exotic (as listed by the Exotic Pest Plan Council [EPPS]) and undesirable vegetation encroachment, and physiochemical conditions. Thereafter, monitoring events will occur annually in perpetuity on the anniversary date of the initial baseline report. Results of the quarterly monitoring events will be submitted yearly as written monitoring reports to City of Key West or other agencies with interest.

GOALS
Summary outline of the goals of this plan are:

1. Ecological goals: Create a freshwater pond and littoral wetland with vegetation capable of surviving and responding to periodic pulses of brackish and salt water such as that experienced during tropical cyclone events and extreme high tides. Goals also include expanding constructing fresh water features historic to the City of Key West that have been almost completely lost to development. The pond and littoral wetland will feature species of plants documented to be native to the City of Key West by the Institute for Regional Conservation during their 10-year Floristic Inventory of South Florida. The pond and wetland will grade into native upland tropical hammock vegetation, which will feature species historically typical of the City of Key West, including rare species identified by the Institute for Regional Conservation. The pond, wetland and adjacent upland will create significant new habitat for wetland and upland invertebrates (including butterflies) and resident and migratory birds.
2. Management: Assure the ecology of the site is maintained through an active management program that includes the establishment of a Baseline (Time Zero) Monitoring Report, subsequent monitoring events, removal of targeted exotic plant species, and compliance with visitor use criteria.
3. Monitoring: Provide written and photographic documentation to ensure compliance with all state, local, and federal regulations, including Environmental Resource Permitting.

MAINTENANCE
All invasive exotic pants as defined by EPPC as Category I plants will be removed or killed in-placed during initial wetland construction/restoration phase of the mitigation project. The elimination of the exotic vegetation will be coordinated with the permitting agency staff to provide the most appropriate control mechanism. During the construction of the mitigation projected as part of the perpetual maintenance of the mitigation areas, every effort will be taken to attain zero percent coverage of undesirable vegetation will be maintained at or below 2% of the total vegetative coverage in the mitigation area. Plants will be removed or killed in-place, depending upon which technique will result in greater protection to the wetland and produce the most desirable system-wide wetland benefit.

EXHIBIT 2.10a

COMPLIANCE

Perpetual maintenance will be implemented as part of the long-term maintenance plan. The applicant and/or their management company will conduct the maintenance and be responsible for all onsite wetland mitigation area maintenance efforts. This maintenance will help ensure that the conservation easement area of the project will be maintained free from invasive exotic vegetation and nuisance plants according to the previously described criteria in perpetuity.

MONITORING PROCEDURES

Methodology

The proposed construction currently calls for the excavation of earth to create a freshwater pond and wetland on a portion of the Key West Botanical Gardens Addition parcel. The littoral zones will be planted with native wetland species as indicated in the planting plan. The wetland will be ringed by a buffer zone of upland tropical hammock species to protect the wetland from infiltration of pollutants, provide additional wildlife habitat, and provide additional interest to visitors to the gardens. The specific mitigation sequence will begin with the removal of the suitable soils and screening of the future wetland soil. All unsuitable debris and exotic vegetation will be removed and disposed of in an approved manner. The mitigation area subsurface soils will be lowered to suitable wetland elevations. The suitable wetland soils will then be replaced and graded to achieve a diverse habitat of flushing channels, hydric islands, hydric berms and marsh community.

As defined by Florida DEP, the revised plan includes obligate wetland species and facultative species; other species associated with wetlands but not listed by DEP are included on the plan. All species have been documented in Monroe County. They also represent species with relatively wide ecological tolerances capable of adapting to changing conditions at the site. Additional rare species native to Monroe County are planned to be added once the wetland has become relatively stabilized.

Propagates of plants from the existing garden will be harvested and grown out for planting out in addition to other native plant material that will be acquired from appropriate sources. The planting will be spaced so as to exceed general density recommendations by the University of Florida, IFAS Extension Services where five wetland plants are planed per each 10 square feet of wetland planting area. Additional material is to be planted in the upland buffer zone as indicated on the plan.

Baseline (Time Zero) Monitoring Data

Baseline data is a critical component of measuring change over time, and is required to monitor the success and progression of the maintenance of the site. The baseline data will be collected at the time construction of Mitigation Area One is completed and approved. The baseline data will include, but is not limited to, the following elements:

1. Establish locations and record data for photo points, sample cells and transects
2. Create a database of wetland plants surviving at the time of baseline
3. Observe, identify, record, and establish a database of wildlife utilization
4. Verify exotic and undesirable plant species to be at more than 2% coverage of the wetland mitigation areas at the time zero monitoring date.
5. Install and record data from staff gauges.

Measurable Success Criteria

The following are recommended to be used as measurable success criteria for the wetlands mitigation at Mitigation Area One:

1. 80% survival of transplanted/newly planted plants at end of year one
2. Replanting if needed to be completed 60 days after inspection by permitting agency
3. Less than 2% exotic species present at time of inspection
4. Demonstrated ability of all sections of wetland habitat on site to hold water at least 3 months of each year.
5. Documentation of use by native fauna such as: birds, small mammals, reptiles, amphibians and macro invertebrates.

EXHIBIT 3.06

Monitoring Plan

The locations of photo points and staff gauge are shown on the attached monitoring sketch. The staff gauge will be monitored on a bi-monthly basis and the readings included in the quarterly monitoring reports for SFWMD and annual monitoring reports for The City of Key West or other agency with interest.

Where it is determined that native plant communities will not be substantially disturbed or damaged, permanent sample cells and pedestrian transects will be established. Sample cells will be 1.0 m square with corners permanently marked. The pedestrian transects can be of varying length and will have a permanently marked starting and ending point. Pedestrian transects will be conducted during all site evaluations. Each quarterly monitoring event will include photographic documentation of existing conditions in the wetland mitigation area. The field transects, staff gauges, wildlife utilization and photographic reference points will be monitored and maintained throughout the five-year monitoring and maintenance period.

The results of the quarterly field evaluations will assist in identifying the progressive condition of the mitigation area and the impact of the hydrologic improvements resulting from the project. All monitoring event data will be utilized by maintenance crews as necessary to provide the most effective treatment of undesirable vegetation should invasion occur. This will ensure that the undesirable vegetation will be controlled prior to establishment and seed set.

EXHIBIT 3.0 C

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

KEY WEST PLANNING
OCT 15 2008
MONROE COUNTY

May 21, 2008

Robert Hopper
SFWMD
3301 Gun Club Road
West Palm Beach, Florida 33406

Re: #060711-17 Key West Botanical Garden Addition Phase One Pond

Dear Mr. Hopper,

We hereby affirm that we will maintain the 1.576 acre mitigation pond, wetland and upland hammock in perpetuity.

The area that is covered by this pledge covers the improvements permitted by the SFWMD under the above number.

See the attached surveyor's sketch of "Mitigation Area One" which identifies the 1.576 acre project.

Respectfully,

Key West Botanical Garden Society, Inc.

By: Vicki Grant
Vicki grant,
Executive Director and Secretary

City of Key West

By: J. K. Scholl
Jim Scholl,
City Manager

JS/am

EXHIBIT 3.0d

RESOLUTION NO. 08-170

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF KEY WEST, FLORIDA, APPROVING THE ATTACHED LETTER OF AGREEMENT TO MAINTAIN A 1.576 ACRE MITIGATION POND, WETLAND AND UPLAND HAMMOCK IN PERPETUITY; AND APPROVING THE ATTACHED CAPITAL IMPROVEMENT PLAN LETTER FOR THE BOARDWALK, POND AND LANDSCAPE PROJECT AT THE MERILI MCCOY KEY WEST BOTANICAL GARDEN ON THE PROPERTY LOCATED AT 5210 COLLEGE ROAD; PROVIDING CONDITIONS; PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, a South Florida Water Management Permit for development of a 1.576 acre pond with wetland and upland hammock at the Merili McCoy Key West Botanical Garden Addition can be obtained only if the property owner, the City of Key West, agrees to maintain the pond in perpetuity; and

WHEREAS, City staff recommends approval of the attached Letter of Agreement to maintain a 1.576 acre mitigation pond, wetland and upland hammock in perpetuity, with the understanding that such duties and costs will be covered by the current tenant, and future tenants, and not the taxpayers of Key West; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF KEY WEST, FLORIDA, AS FOLLOWS:

Section 1: That the City Manager is hereby authorized to execute on behalf of the City of Key West the attached Letter of

EXHIBIT 3.2e

Agreement to maintain a 1.576 acre mitigation pond, wetland and upland hammock in perpetuity at the Merili McCoy Key West Botanical Garden.

Section 2: That as a specific contingency and condition of approval, the application and permit shall provide that there will be no pump out from the pond.

Section 3: That the attached Capital Improvement Plan Letter is approved.

That as a condition of approval, the application and permit shall provide that there will be no pump out from the pond.

Section 4: That this Resolution shall go into effect immediately upon its passage and adoption and authentication by the signature of the presiding officer and the Clerk of the Commission.

Passed and adopted by the City Commission at a meeting held this 3rd day of June, 2008.

Authenticated by the presiding officer and Clerk of the Commission on June 4, 2008.

Filed with the Clerk June 4, 2008.

MORGAN McPHERSON, MAYOR

ATTEST:

CHERYL SMITH, CITY CLERK

EXHIBIT 3 of

ADDL/REVISED SUBMITTAL

APR 1 1 2008

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

DEED OF CONSERVATION EASEMENT

WEST PLANNING DEPT
OCT 15 2010
COUNTY

№060711-17

Return recorded document to:
South Florida Water Management District
3301 Gun Club Road, MSC 4210
West Palm Beach, FL 33406

THIS DEED OF CONSERVATION EASEMENT is given this _____ day of _____, 20_____, by The City of Key West and The Key West Botanical Garden Society, Inc., whose mailing address is City Manager: 525 Angela St. Key West, FL 33040 KWBGS: P.O. Box 2436 Key West, FL 33045 ("Grantor") to the South Florida Water Management District ("Grantee"). As used herein, the term "Grantor" shall include any and all heirs, successors or assigns of the Grantor, and all subsequent owners of the "Property" (as hereinafter defined) and the term "Grantee" shall include any successor or assignee of Grantee.

WITNESSETH

WHEREAS, the Grantor is the owner of certain lands situated in Monroe County, Florida, and more specifically described in Exhibit "A" attached hereto and incorporated herein ("Property"); and

WHEREAS, the Grantor desires to construct a freshwater pond, wetland, and boardwalk/loop trail ("Project") at a site in Monroe County, which is subject to the regulatory jurisdiction of South Florida Water Management District ("District"); and

WHEREAS, District Permit No. 060711-17 (application no.) ("Permit") authorizes certain activities which affect surface waters in or of the State of Florida; and

sfwmd.gov

EXHIBIT 3.1.9

WHEREAS, this Permit requires that the Grantor preserve, enhance, restore and/or mitigate wetlands and/or uplands under the District's jurisdiction; and

WHEREAS, the Grantor has developed and proposed as part of the Permit conditions a conservation tract and maintenance buffer involving preservation of certain wetland and/or upland systems on the Property; and

WHEREAS, the Grantor, in consideration of the consent granted by the Permit, is agreeable to granting and securing to the Grantee a perpetual Conservation Easement defined in Section 704.06, Florida Statutes, over the area described on Exhibit "B" ("Conservation Easement").

NOW, THEREFORE, in consideration of the issuance of the Permit to construct and operate the permitted activity, and as an inducement to Grantee in issuing the Permit, together with other good and valuable consideration, the adequacy and receipt of which are hereby acknowledged, Grantor hereby grants, creates, and establishes a perpetual Conservation Easement for and in favor of the Grantee upon the property described on Exhibit "B" which shall run with the land and be binding upon the Grantor, and shall remain in full force and effect forever.

The scope, nature, and character of this Conservation Easement shall be as follows:

1. Recitals. The recitals hereinabove set forth are true and correct and are hereby incorporated into and made a part of this Conservation Easement.

2. Purpose. It is the purpose of this Conservation Easement to retain land or water areas in their natural, vegetative, hydrologic, scenic, open, agricultural or wooded condition and to retain such areas as suitable habitat for fish, plants or wildlife. Those wetland and/or upland areas included in the Conservation Easement which are to be enhanced or created pursuant to the Permit shall be retained and maintained in the enhanced or created conditions required by the Permit.

To carry out this purpose, the following rights are conveyed to Grantee by this easement:

a. To enter upon the Property at reasonable times with any necessary equipment or vehicles to enforce the rights herein granted in a manner that will not unreasonably interfere with the use and quiet enjoyment of the Property by Grantor at the time of such entry; and

b. To enjoin any activity on or use of the Property that is inconsistent with this Conservation Easement and to enforce the restoration of such areas or features of the Conservation Easement that may be damaged by any inconsistent activity or use.

3. Prohibited Uses. Except for restoration, creation, enhancement, maintenance and monitoring activities, or surface water management improvements, or

EXHIBIT 3.1 b

other activities described herein that are permitted or required by the Permit, the following activities are prohibited in or on the Conservation Easement:

a. Construction or placing of buildings, roads, signs, billboards or other advertising, utilities, or other structures on or above the ground;

b. Dumping or placing of soil or other substance or material as landfill, or dumping or placing of trash, waste, or unsightly or offensive materials;

c. Removal or destruction of trees, shrubs, or other vegetation, except for the removal of exotic or nuisance vegetation in accordance with a District approved maintenance plan;

d. Excavation, dredging, or removal of loam, peat, gravel, soil, rock, or other material substance in such manner as to affect the surface;

e. Surface use except for purposes that permit the land or water area to remain in its natural or enhanced condition;

f. Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation including, but not limited to, ditching, diking and fencing;

g. Acts or uses detrimental to such aforementioned retention of land or water areas;

h. Acts or uses which are detrimental to the preservation of the structural integrity or physical appearance of sites or properties having historical, archaeological, or cultural significance.

4. Passive Recreational Facilities. Grantor reserves all rights as owner of the Property, including the right to engage in uses of the Property that are not prohibited herein and that are not inconsistent with any District rule, criteria, the Permit and the intent and purposes of this Conservation Easement. Passive recreational uses that are not contrary to the purpose of this Conservation Easement may be permitted upon written approval by the District.

a. The Grantor may conduct limited land clearing for the purpose of constructing such pervious facilities as docks, boardwalks or mulched walking trails.

b. The construction and use of the approved passive recreational facilities shall be subject to the following conditions:

i. Grantor shall minimize and avoid, to the fullest extent possible, impact to any wetland or upland buffer areas within the Conservation Easement Area and shall avoid materially diverting the direction of the natural surface water flow in such area;

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EXHIBIT 3.1c

ii. Such facilities and improvements shall be constructed and maintained utilizing Best Management Practices;

iii. Adequate containers for litter disposal shall be situated adjacent to such facilities and improvements and periodic inspections shall be instituted by the maintenance entity, to clean any litter from the area surrounding the facilities and improvements;

iv. This Conservation Easement shall not constitute permit authorization for the construction and operation of the passive recreational facilities. Any such work shall be subject to all applicable federal, state, District or local permitting requirements.

5. No Dedication. No right of access by the general public to any portion of the Property is conveyed by this Conservation Easement.

6. Grantee's Liability. Grantee shall not be responsible for any costs or liabilities related to the operation, upkeep or maintenance of the Property.

7. Property Taxes. Grantor shall keep the payment of taxes and assessments on the Easement Parcel current and shall not allow any lien on the Easement Parcel superior to this Easement. In the event Grantor fails to extinguish or obtain a subordination of such lien, in addition to any other remedy, the Grantee may, but shall not be obligated to, elect to pay the lien on behalf of the Grantor and Grantor shall reimburse Grantee for the amount paid by Grantee, together with Grantee's reasonable attorney's fees and costs, with interest at the maximum rate allowed by law, no later than thirty days after such payment. In the event Grantor does not so reimburse the Grantee, the debt owed to Grantee shall constitute a lien against the Easement Parcel which shall automatically relate back to the recording date of this Easement. Grantee may foreclose this lien on the Easement Parcel in the manner provided for mortgages on real property.

8. Enforcement. Enforcement of the terms, provisions and restrictions of this Conservation Easement shall be at the reasonable discretion of Grantee, and any forbearance on behalf of Grantee to exercise its rights hereunder in the event of any breach hereof by Grantor, shall not be deemed or construed to be a waiver of Grantee's rights hereunder.

9. Assignment. Grantee will hold this Conservation Easement exclusively for conservation purposes. Grantee will not assign its rights and obligations under this Conservation Easement except to another organization or entity qualified to hold such interests under the applicable state laws.

10. Severability. If any provision of this Conservation Easement or the application thereof to any person or circumstances is found to be invalid, the remainder of the provisions of this Conservation Easement shall not be affected thereby, as long as the purpose of the Conservation Easement is preserved.

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EXHIBIT 3.14

11. Terms, Conditions, Restrictions, Purpose. The terms, conditions, restrictions and purpose of this Conservation Easement shall be inserted by Grantor in any subsequent deed or other legal instrument by which Grantor divests itself of any interest in the Conservation Easement. Any future holder of the Grantor's interest in the Property shall be notified in writing by Grantor of this Conservation Easement.

12. Written Notice. All notices, consents, approvals or other communications hereunder shall be in writing and shall be deemed properly given if sent by United States certified mail, return receipt requested, addressed to the appropriate party or successor-in-interest.

13. Modifications. This Conservation Easement may be amended, altered, released or revoked only by written agreement between the parties hereto or their heirs, assigns or successors-in-interest, which shall be filed in the public records in Monroe County.

TO HAVE AND TO HOLD unto Grantee forever. The covenants, terms, conditions, restrictions and purposes imposed with this Conservation Easement shall be binding upon Grantor, and shall continue as a servitude running in perpetuity with the Property.

Grantor hereby covenants with said Grantee that Grantor is lawfully seized of said Property in fee simple; that the Conservation Easement is free and clear of all encumbrances that are inconsistent with the terms of this Conservation Easement; and all mortgages and liens on the Conservation Easement area, if any, have been subordinated to this Conservation Easement; and that Grantor has good right and lawful authority to convey this Conservation Easement; and that it hereby fully warrants and defends the title to the Conservation Easement hereby conveyed against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF,
The City of Key West, Florida Key West Botanical Garden Society, Inc.
(Grantor) has hereunto set its authorized hand this 3rd
day of April, 2008.

a ~~Florida~~ Municipal corporation A Florida Corporation

By: J. K. Scholl (Signature) [signature]

Name: Jim Scholl (Print) Peter Rysman

Title: City Manager President

EXHIBIT 3.1c

Signed, sealed and delivered in our presence as witnesses:

By: _____ (Signature)

Name: _____ (Print)

By: _____ (Signature)

Name: _____ (Print)

KEY WEST PLANNING DEPT. OCT 15 2010 MONROE COUNTY

STATE OF FLORIDA)

) ss:

COUNTY OF Monroe

On this 3rd day of APRIL, 20 08 before me, the undersigned notary public, personally appeared Jim Scholl, the person who subscribed to the foregoing instrument, as the City Manager (title), of City of Key West, Florida (corporation), a Florida corporation, and acknowledged that he/she executed the same on behalf of said corporation and that he/she was duly authorized to do so. He/She is personally known to me or has produced a _____ (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

NOTARY PUBLIC, STATE OF FLORIDA

Maria G. Ratcliff (Signature)

Name: Maria G. Ratcliff (Print)

My Commission Expires: March 22, 2011

MARIA G. RATCLIFF MY COMMISSION EXPIRES March 22, 2011 #DD 642616 Bonded thru Troy Fain-Insurance NOTARY PUBLIC, STATE OF FLORIDA

On this 3rd day of APRIL, 2008 before me, the undersigned notary public, personally appeared Peter Ryman, the person who subscribed to the foregoing instrument as the President of The Key West Botanical Garden Society, Inc., a Florida corporation, and acknowledged that he executed the same on behalf of said corporation and that he was duly authorized to do so. He is personally known to me or has produced a Florida driver's identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

MARIA G. RATCLIFF MY COMMISSION EXPIRES March 22, 2011 #DD 642616 Bonded thru Troy Fain-Insurance NOTARY PUBLIC, STATE OF FLORIDA

Commission Expires March 22, 2011

Maria G. Ratcliff

EXHIBIT 5 1f

MORTGAGEE JOINDER, CONSENT AND SUBORDINATION

No mortgage exists on the property.

For Ten Dollars ($10.00) and other good and valuable consideration, the adequacy and receipt of which are hereby acknowledged, _____, the owner and holder of a mortgage dated _____, in the original principal amount of $_____, given by _____ _____ ("Grantor") to _____ ("Mortgagee"), encumbering the real property described on Exhibit "A" attached hereto ("Property"), which is recorded in Official Records Book _____, at Page _____, (together with that certain Assignment of Leases and Rents recorded in Official Records Book _____, at Page _____ and those certain UCC-1 Financing Statement(s) recorded in Official Records Book _____, at Page _____), all of the Public Records of _____ County, Florida (said mortgage, assignment of leases and rents, and UCC-1 Financing Statements, as modified, are hereinafter referred to as the "Mortgage"), hereby joins in, consents to and subordinates the lien of its Mortgage, as it has been, and as it may be, modified, amended and assigned from time to time, to the foregoing Conservation Easement, executed by _____, in favor of the South Florida Water Management District applicable to the Conservation Easement, as said Conservation Easement may be modified, amended and assigned from time to time, with the intent that the Mortgage shall be subject and subordinate to the Conservation Easement

IN WITNESS WHEREOF, this Mortgagee Joinder, Consent and Subordination is made this _____ day of _____, 20_____.

By: _____
(Signature)

Name: _____
(Print)

Title: _____

WITNESSES:

By: _____ By: _____
(Signature) (Signature)

Name: _____ Name: _____
(Print) (Print)

EXHIBIT 3.19

STATE OF FLORIDA
COUNTY OF _____

No mortgage exists on the property.

The foregoing instrument was acknowledged before me this _____ day of _____, 20_____, by _____ (print name), as _____ (title) of _____ (Grantor of Mortgage), on behalf of the _____ (Mortgagee, Grantor of the Conservation Easement). He/She is personally known to me or has produced a _____ (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

NOTARY PUBLIC, STATE OF FLORIDA

_____
(Signature)

Name: _____
(Print)

My Commission Expires: _____

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EXHIBIT 3.1h

IBI GROUP

IBI GROUP, Inc.
AUTHORIZATION # LB 5610
ENGINEERS SURVEYORS PLANNERS
LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS

2200 PARK CENTRAL BLVD. N.
SUITE 100
POMPANO BEACH, FLORIDA, 33064
(954) 974-2200

2503 MAITLAND CENTER PARKWAY
SUITE C
MAITLAND, FLORIDA, 32751
(407) 660-2120

LEGAL DESCRIPTION: MITIGATION AREA ONE

Being a part of land located on Stock Island, Monroe County, Florida, and being more particularly described as follows:

COMMENCING at coordinates of which are N 87,268.27 and E 407,559.07, based on the United States Coast and Geodetic Survey's Mercator Grid Coordinate System, Florida East Zone, 1983, which has for its zero coordinates a point of Latitude 24°20'00" North and 500,000 feet West of Longitude 81°00'00", said point being the intersection of the Easterly Right-of-Way Line of Junior College Road and the Northerly Right-of-Way Line of U.S. Highway No. 1 (State Road No. 5), at the Westerly end of Junior College Road; Thence North 70°40'03" East along said Northerly Right-of-Way Line of U.S. Highway No. 1, a distance of 21.39 feet; Thence North 04°20'14" West, a distance of 604.65 feet to the POINT OF BEGINNING; Thence South 58°11'42" West, a distance of 199.85 feet; Thence North 31°48'18" West, a distance of 27.14 feet; Thence South 58°11'42" West, a distance of 87.80 feet; Thence North 31°48'24" West, a distance of 189.52 feet; Thence North 58°05'53" East, a distance of 275.22 feet; Thence North 89°21'03" East, a distance of 111.41 feet; Thence South 04°20'14" East, a distance of 179.75 feet to the POINT OF BEGINNING.

Containing 1.576 acres (68,653 square feet), more or less.

Subject to existing easements, rights-of-way, covenants, reservations and restrictions of record, if any.

Said lands situate, lying and being in the City of Key West, Monroe County, Florida.

NOTES:

(NOT A SURVEY-SKETCH AND DESCRIPTION ONLY)

UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

LANDS SHOWN HEREON WERE NOT ABSTRACTED BY IBI GROUP, INC. FOR EASEMENTS AND RIGHTS-OF-WAY OF RECORD.

DATA SHOWN HEREON WAS COMPILED FROM OTHER INSTRUMENTS AND DOES NOT CONSTITUTE A FIELD SURVEY.

BEARINGS ARE ASSUMED, THE NORTHERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 1 BEARING N 70°40'03" E.

5. IBI GROUP, INC'S CERTIFICATE OF AUTHORIZATION No. 5610, IS ISSUED BY THE FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION.

CERTIFICATION:

I HEREBY CERTIFY that the attached Sketch and Description is true and correct to the best of my knowledge and belief and that it meets the Minimum Technical Standards set forth by the Florida Board of Professional Surveyors And Mappers in Chapter 61G17-6, Florida Administrative Code.

For The Firm:
IBI Group, Inc.

JAMES A. HAMILTON, III, P.S.M
PROFESSIONAL SURVEYOR and MAPPER #3408 STATE OF FLORIDA

REVISIONS	DATE	BY

DATE:	DRAWN BY	CHECKED BY	FIELD BOOK
10/03/07	BE	JAH	N/A

SHEET 1 OF 2

SKETCH NO. 15178

J:\Pre-Integration\Projects\14811_KeyWest_Botanical_Ph2_TDC\05.9 Drawings\survey\current\MitigationArea-One-REV.dwg

EXHIBIT 3.1

IBI GROUP

IBI GROUP, Inc.
AUTHORIZATION # LB 5610
ENGINEERS SURVEYORS PLANNERS
LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
2200 PARK CENTRAL BLVD. N. SUITE 100 POMPANO BEACH, FLORIDA, 33064 (954) 974-2200
2803 MAITLAND CENTER PARKWAY SUITE C MAITLAND, FLORIDA, 32751 (407) 660-2120

N89°21'03"E 111.41'

275.22'

N 56°05'53" E

S 04°20'14" E 179.75'

POINT OF BEGINNING

MITIGATION AREA ONE
1.576 Acres ±
(68,653 Square Feet)

N31°48'24"W 189.52'

S58°11'42"W 199.85'

S58°11'42"W 87.80'

N31°48'18"W 27.14'

Ingress/Egress & Utility Easement (O.R.B. 2136, Pg. 2467, M.C.R.)

Key West Botanical Garden Addition
CONSERVATION EASEMENT
(O.R.B. 2136, PG. 2469, M.C.R.)

Key West Golf Club

604.65'

N04°20'14"W

STOCK ISLAND
MONROE COUNTY, FLORIDA

JUNIOR COLLEGE ROAD

EASTERLY R/W LINE

Out Parcel

POINT OF COMMENCEMENT
INTERSECTION OF EASTERLY R/W LINE OF JUNIOR COLLEGE ROAD AND THE NORTHERLY R/W LINE OF U.S. HIGHWAY NO. 1 (STATE ROAD NO. 5)

N70°40'03"E 21.39'

NORTHERLY R/W LINE

N 87268.27
E 407559.07

US No. 1 (Overseas Highway)
STATE ROAD NO. 5

LEGEND:
R/W = RIGHT-OF-WAY
O.R.B. = OFFICIAL RECORDS BOOK
PG. = PAGE
M.C.R. = MONROE COUNTY FLORIDA

N

SCALE: 1" = 100'

'OT A SURVEY-SKETCH AND DESCRIPTION ONLY)

EVISIONS	DATE	BY
ISE BOUNDARY & DESCRIPTION	3/05/08	JAH

DATE:	DRAWN BY	CHECKED BY	FIELD BOOK
10/03/07	BF	JAH	N/A

SHEET 2 OF 2

SKETCH NO. 15178

J:\Pre-Integration\Projects\14811_KeyWest_Botanical_Ph2_TDC\05.9 Drawings\survey\current\MitigationArea-Orig-REV.dwg

EXHIBIT 3.0

South Florida Water Management District

Work Schedule Requirements

Application No : 060711-17

Mitigation Plan ID: KEY WEST BOTANICAL

Activity	**Due Date**
EXCAVATION AND GRADING OF WETLAND CREATION AREA	09-OCT-08
SUBMIT GPS DISK OF BOUNDARIES OF CONSERVATION EASEMENT	09-OCT-08
SUBMIT RECORDED CONSERVATION EASEMENT	09-OCT-08
SUBMIT AS-BUILT SURVEY	23-NOV-08
COMPLETE PLANTING OF CREATION AREA	23-DEC-08
SUBMIT BASELINE MONITORING REPORT	09-JAN-09
SUBMIT TIME ZERO MONITORING REPORT	09-JUN-09
SUBMIT FIRST MONITORING REPORT	09-JUN-10
SUBMIT SECOND MONITORING REPORT	09-JUN-11
SUBMIT THIRD MONITORING REPORT	09-JUN-12
SUBMIT FOURTH MONITORING REPORT	09-JUN-13
SUBMIT FIFTH MONITORING REPORT	09-JUN-14

Exhibit No : 3.2

STAFF REPORT DISTRIBUTION LIST

MITIGATION AT KEY WEST BOTANICAL GARDEN

Application No: 060711-17

Permit No: 44-00410-P

INTERNAL DISTRIBUTION

X Kevin G. Dickson, P.E. - 4220
X Robert F. Hopper - 4220
X Carlos A. DeRojas, P.E. - 4220
X Barbara J. Conmy - 4220
X ERC Environmental - 4230
X Florida Keys Service Center - 6830
X H. Azizi - 4230
X Permit File
X R. Karafel - 6830

EXTERNAL DISTRIBUTION

X Permittee - Key West Botanical Garden Society Inc
X Permittee - City Of Key West

GOVERNMENT AGENCIES

X Bruce Franck, Environmental Manager - FDEP - South District Branch Office
X City Engineer, City of Key West
X Div of Recreation and Park - District 5 - FDEP
X Florida Department of Community Affairs Jerry Buckley
X Monroe County Engineer
X Monroe County Planning Dept - Steve Ferris, Dev. Review Coord.
X South Florida Water Management District - Florida Keys Service Center

OTHER INTERESTED PARTIES

X Donald W. Shackelford, P.E.
X Hydrologic Associates USA Inc. - Bradley Waller
X IBI Group - James Taylor, AICP
X Institute for Regional Conservation - George Gann
X Key West Tropical Forest and Botanical Garden
X Raymond Jungles Inc.
X Stuart Pimm, Ph.D - Duke University

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

May 21, 2008

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

Robert Hopper
SFWMD
3301 Gun Club Road
West Palm Beach, Florida 33406

Re: #060711-17 Key West Botanical Garden Addition Phase One Pond

Dear Mr. Hopper,

We hereby affirm that we will maintain the 1.576 acre mitigation pond, wetland and upland hammock in perpetuity.

The area that is covered by this pledge covers the improvements permitted by the SFWMD under the above number.

See the attached surveyor's sketch of "Mitigation Area One" which identifies the 1.576 acre project.

Respectfully,

Key West Botanical Garden Society, Inc.

By: Vicki Grant
Vicki grant,
Executive Director and Secretary

City of Key West

By: J. K. Scholl
Jim Scholl,
City Manager

JS/am

CERTIFICATE OF SUBSTANTIAL COMPLETION

PROJECT: CONTRACT FOR: **Botanical Gardens Addition: Phase One Pond**

(name and address)

CONTRACT DATE: JUNE 1, 2008

Key West Botanical Garden Addition: Phase One Pond

Tourist Development Council Grant Phase 2

TO OWNER: (Name and address) Monroe County
1100 Simonton St.
Key West, Florida 33040

TO CONTRACTOR: (Name and address) CHARLEY TOPPINO & SONS, INC.
P.O. Box 787
Key West, Florida 33041

DATE OF ISSUANCE:
PROJECT OR DESIGNATED PORTION SHALL INCLUDE

The Work performed under this Contract has been reviewed and found, to the Architect's best knowledge, information and belief, to be substantially complete. Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use. The date of Substantial Completion of the Project or portion thereof designated above is hereby established as __________

which is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below:

A list of items to be completed or corrected is attached hereto. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

ARCHITECT BY DATE

The Contractor will complete or correct the Work on the list of items attached hereto within the above date of Substantial Completion.

CHARLEY TOPPINO & SONS, INC
CONTRACTOR BY SEPT 29, 2008
DATE

The Owner accepts the Work or designated portion thereof as substantially complete and will assume full possession thereof at 5pm (time), on AUGUST 30, 2008 (date).

Kathleen Shackley Key West Botanical Garden Society 9-29-08
OWNER BY DATE

The responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work and insurance shall be as follows:

Note: Owner's and Contractor's legal and insurance counsel should determine and review insurance requirements and coverage

CERTIFICATE OF SUBSTANTIAL COMPLETION

CONTRACT FOR: **Botanical Gardens Addition: Phase One** Pond

PROJECT:
(name and address)

CONTRACT DATE JUNE 1, 2008

Key West Botanical Garden Addition: Phase One Pond
Tourist Development Council Grant Phase 2

TO OWNER: Monroe County
(Name and address) 1100 Simonton St.
Key West, Florida 33040

TO CONTRACTOR: CHARLEY TOPPINO & SONS, INC.
(Name and address) P.O. Box 787
Key West, Florida 33041

DATE OF ISSUANCE:
PROJECT OR DESIGNATED PORTION SHALL INCLUDE

The Work performed under this Contract has been reviewed and found, to the Architect's best knowledge, information and belief, to be substantially complete. Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use. The date of Substantial Completion of the Project or portion thereof designated above is hereby established as ________

which is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below:

A list of items to be completed or corrected is attached hereto. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

ARCHITECT BY DATE

The Contractor will complete or correct the Work on the list of items attached hereto within the above date of Substantial Completion.

CHARLEY TOPPINO & SONS, INC
CONTRACTOR BY SEPT. 29, 2008
DATE

The Owner accepts the Work or designated portion thereof as substantially complete and will assume full possession thereof at 5pm (time), on AUGUST 30, 2008 (date).

Nicholas Stocking — Key West Botanical Garden Society — 9-29-08
OWNER BY DATE

The responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work and insurance shall be as follows:

Note: Owners and Contractors legal and insurance counsel should determine and review insurance requirements and coverage

James Taylor

From: Phillip_Hughes@fws.gov
Sent: Thursday, January 03, 2008 4:50 PM
To: gkenson@keywestcity.com
Cc: James Taylor; prysman@bellsouth.net; Winston_Hobgood@fws.gov; Russell Moore; Ricardo.Zambrano@fwc.state.fl.us
Subject: Project to develop freshwater wetlands, visitor's center, parking, and other amenities on the parcel zoned PS (Public Service) on Stock Island

Dear Ms. Kenson,

I am responding to inquires regarding the parcel, RE# 00072080-001800, which was acquired from the County through a Florida Communities Trust grant, conveyed to the City of Key West, and managed by the Key West Tropical Forest and Botanical Garden.

No Federally listed species inhabit the parcel. After the old County buildings were demolished, the site consisted of a scarified lot with scattered trees. A few of those trees are of interest due to their size and general benefits for aesthetics and wildlife. The Botanical Garden and its partners have taken great care to protect those trees. Due to prolific populations of exotic plants on adjacent properties, invasives have been an issue that project partners have had to contend with, so that the site did not become a temporary haven for such problem species.

The U.S. Fish and Wildlife Service has been involved with the project since its inception. Service involvement has included grants from the Service's Partners for Fish and Wildlife Program and the Coastal Program, as well as extensive technical support from the Ecological Services Division. The project is unique, seeking to convert a scarified lot into native wetland and terrestrial ecosystems that will benefit native and migratory birds, rare butterfly assemblages, exceedingly rare wetlands, and rare native plants, while providing expanded visitor opportunities and educational capacities. The proposed buildings are intended to enhance overall conservation benefits because they will facilitate the educational, visitor's services, research, and administrative objectives associated with the projects goals. These amenities are specified in the Florida Community Trust agreement.

Please contact me if any additional information is needed.

Sincerely,

Phillip

Phillip Hughes
U.S. Fish and Wildlife Service
Ecological Services
175 Key Deer Blvd.
Big Pine Key, FL 33043

Phone 305.872.2753 Fax 305.872.2154

Cell 305.505.3155

(305) 295-1000
1001 James Street
PO Box 6100
Key West, FL 33040-6100
www.KeysEnergy.com

UTILITY BOARD OF THE CITY OF KEY WEST

November 5, 2007

Ms. Gail E. Kenson, AICP
Planning Director
City of Key West
PO Box 1409
Key West, Florida 33040

RE: DEVELOPMENT REVIEW COMMITTEE
KEYS ENERGY SERVICES COMMENTS MEETING OF NOVEMBER 8, 2007

Dear Ms. Kenson:

Keys Energy Services (KEYS) has reviewed the item to be discussed at the City's Development Review Committee meeting on November 8, 2007.

Below is KEYS' comment:

1. LOCATION: 809 Southard Street
COMMENT: KEYS has no objections.

2. LOCATION: 725 Francis Street
COMMENT: KEYS has no objections.

3. LOCATION: Transient License Transfer 2801 N. Roosevelt Blvd to 1075 Duval St.
COMMENT: KEYS has no objections.

4. LOCATION: 5210 College Rd.
COMMENT: KEYS has no objections.

Thank you for giving KEYS the opportunity to participate in the City's review process. If you have any questions, please call me at 295-1042.

Sincerely,

Matthew Alfonso
Supervisor of Engineering
Matthew.Alfonso@KeysEnergy.com

c:
L. Tejeda, General Manager & CEO
J. Wetzler, Asst. General Manager & CFO
D. Finigan, Director of Engineering/Control Center
A. Tejeda, Director of Customer Service
File: PLI-132

Florida Keys Aqueduct Authority
Key West, Florida
MEMORANDUM

NOV [illegible] 2007

To: Wendy Tucker, Development Review Administrator
From: Ed Nicolle, Distribution Design Manager
Subject: Development Review Committee Meeting November 8, 2007
Date: November 5, 2007,

A representative of the FKAA will not be able to attend the DRC meeting scheduled for November 8, 2007. Comments on the projects are as follows:

Variance – 809 Southard Street The FKAA has no objections to the granting of a variance for the project.

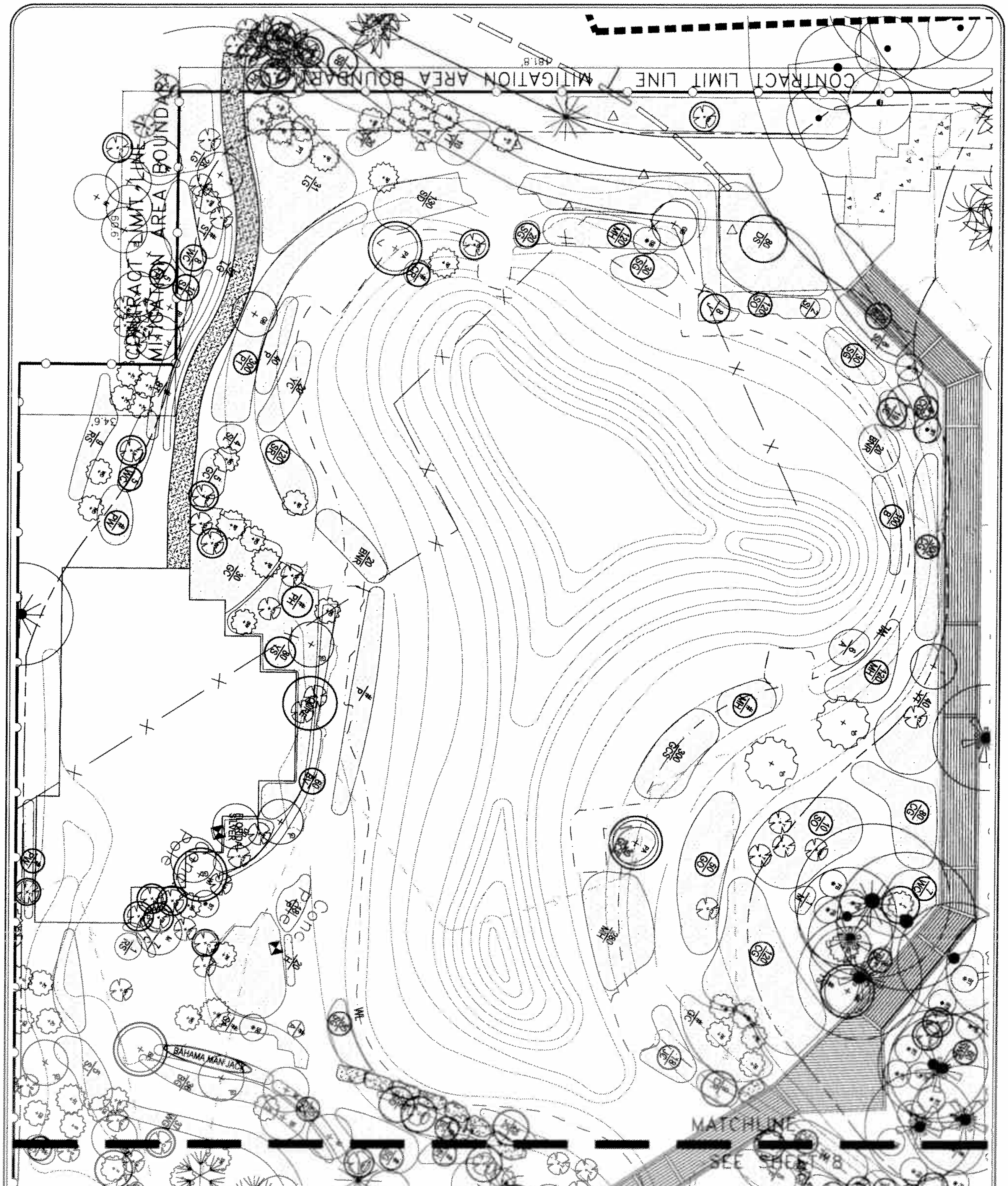
Variance – 725 Frances Street The FKAA has no objections to the granting of a variance for the project.

Transient Transfer from 2801 N. Roosevelt Blvd. to 1075 Duval Street R4 The FKAA has no objection to the transfer of Transient Units and / Licenses as long as no additional units are created

Major Development Plan 5210 College Road. The site has a 20" water main located in front of the site on Junior College Road which appears adequate to serve this project. The site presently is being served FKAA Account # 2400-001768 which is a 2" domestic meter. A full set of plans will required for review in order to determine meter requirements and System Development Fees if applicable.

CC: Irma Boveda, Customer Service Manager KW

Conditions 9, 10 and 11



LEGEND

Existing

CONCRETE WALK

CHAIN FENCE 'TO BE RELOCATED'

CONCRETE POLE 'TO BE DEMOLISHED'

LIGHTS 'TO BE DEMOLISHED'

LANDSCAPE TIMBERS 'TO BE RELOCATED'

Proposed

CRUSHED SHELL WALK

FLAGSTONE TERRACE

STEPPING STONE

STONE WALL

BOARDWALK

CONTRACT LIMIT LINE/ MITIGATION AREA BOUNDARY

AVERAGE WATER LEVEL

CONTOUR LINES

GRADING LIMIT LINE

Planting List
SEE SHEET 8

NOTES:
"WL" LINE DENOTES AVERAGE WATER LEVEL

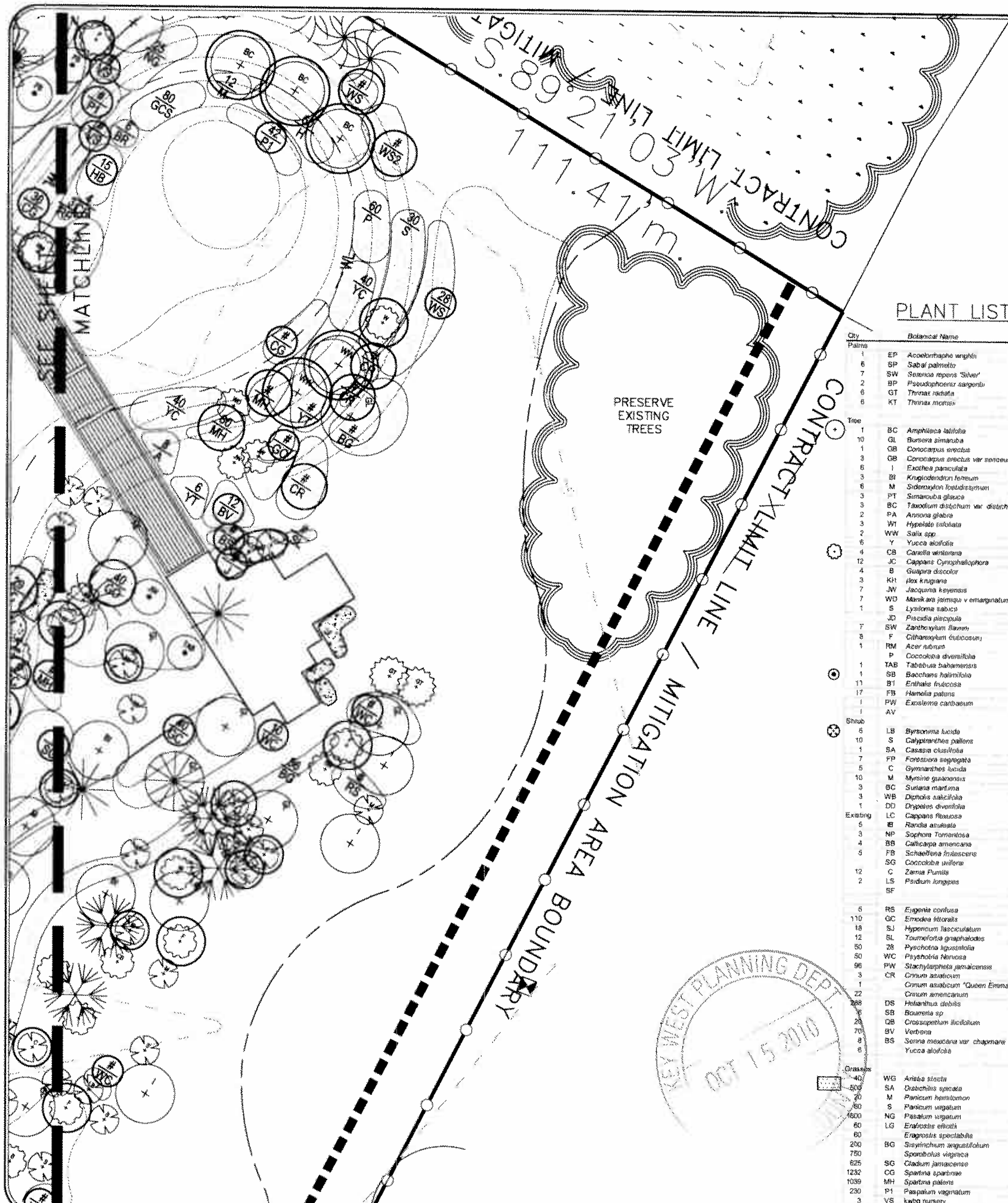
KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY

CALL 48 HOURS BEFORE YOU DIG
It's the Law!
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SHEET 7 OF 13	SCALE 1"=10'-0" PROJECT NUMBER 15178	KEY WEST BOTANICAL GARDEN ADDITION PLANTING PLAN-A	DRAWN: JCT DESIGNED: RGM CHECKED: JCT DATE: 10-25-07	IBI GROUP

IBI GROUP, INC.
HTTP://WWW.IBIGROUP.COM
ENGINEERS CERT OF AUTH #2988 SURVEYORS AC#LB5610
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
2200 PARK CENTRAL BLVD. N. SUITE 100 POMPANO BEACH, FLORIDA, 33064 (954) 974-2200
1519 MAIN STREET SARASOTA, FLORIDA, 34236 (941) 954-7718

REV.	DATE	DESCRIPTION	BY



KEY WEST PLANNING DEPT.
OCT 15 2010

LEGEND

Existing

- CONCRETE WALK
- CHAIN FENCE 'TO BE RELOCATED'
- CONCRETE POLE 'TO BE DEMOLISHED'
- LIGHTS 'TO BE DEMOLISHED'
- LANDSCAPE TIMBERS 'TO BE RELOCATED'

Proposed

- TRANSPLANTED EXISTING TREES
- CRUSHED SHELL WALK
- FLAGSTONE TERRACE
- STEPPING STONE
- STONE WALL
- BOARDWALK
- CONTRACT LIMIT LINE/ MITIGATION AREA BOUNDARY
- AVERAGE WATER LEVEL
- CONTOUR LINES
- GRADING LIMIT LINE

PLANT LIST

Qty		Botanical Name	Common Name	Specifications
Palms				
1	EP	Acoelorrhaphe wrightii	Everglades Palm	8'
6	SP	Sabal palmetto	Sable	14-20 ph
7	SW	Serenoa repens 'Silver'	Saw Palmetto	7 gal
2	BP	Pseudophoenix sargentii	Buccaneer Palm	4'
6	GT	Thrinax radiata	Green Thatch Palm	6' ph
6	KT	Thrinax morrisii	Keys Thatch Palm	7 gal
Tree				
1	BC	Amphitecca latifolia	Black Calabash	8'
10	GL	Bursera simaruba	Gumbo Limbo	14-18" ph
1	GB	Conocarpus erectus	Green Buttonwood	18' ph
3	GB	Conocarpus erectus var sericeus	Silver Buttonwood	18' ph
6	I	Exothea paniculata	Inkwood	5'
3	BI	Krugiodendron ferreum	Black Ironwood	6-8'
6	M	Sideroxylon foetidissimum	Mastic	14' ph
3	PT	Simarouba glauca	Paradise Tree	10' ph
3	BC	Taxodium distichum var. distichum	Bald Cypress	10'
2	PA	Annona glabra	Pond Apple	10-12'
3	WI	Hypelate trifoliata	White Ironwood	3 gal.
2	WW	Salix spp	Weeping Willow	10-12'
6	Y	Yucca aloifolia	Spanish Bayonet	7 gal.
4	CB	Canella winterana	Cinnamon Bark	6-8 ph
12	JC	Capparis Cynophallophora	Jamaica Caper	15 gal
4	B	Guapira discolor	Blolly	12' ph
3	KH	Ilex krugiana	Krugs Holly	6' ph
7	JW	Jacquinia keyensis	Joewood	4' ph
7	WD	Manilkara jaimiqui v emarginatum	Wild Dilly	10' ph
1	S	Lysiloma sabicu	Sabicu	10' ph
	JD	Piscidia piscipula	Jamaica Dogwood	14' ph
7	SW	Zanthoxylum flavum	Satinwood	10' ph
8	F	Citharexylum fruticosum	Fiddlewood	3'
1	RM	Acer rubrum	Red Maple	10'
	P	Coccoloba diversifolia	Pidgeon Plum	
1	TAB	Tabebuia bahamensis	Bahama Tab	8'
1	SB	Baccharis halimifolia	Saltbush	3-6' ph
11	BT	Erithalis fruticosa	Black Torch	3'
17	FB	Hamelia patens	Firebush	7 gal 3-4'
1	PW	Exostema caribaeum	Princewood	
1	AV		Agave	Steven Hodges rescue from big pine
Shrub				
6	LB	Byrsonima lucida	Locust-berry	7 gal
10	S	Calyptranthes pallens	Spicewood	7 gal
1	SA	Casasia clusiifolia	Seven-year Apple	10 gal
7	FP	Forestiera segregata	Florida Privet	3-7 gal 24" min
5	C	Gymnanthes lucida	Crabwood	7 gal
10	M	Myrsine guianensis	Myrsine	7 gal
3	BC	Suriana maritima	Bay Cedar	7 gal
3	WB	Dipholis salicifolia	Willow Bustic	15 gal
1	DD	Drypetes diversifolia	Milk Bark	8'
Existing	LC	Capparis flexuosa	Limber Creeper	
5	IB	Randia aculeata	White Indigo Berry	7 gal.
3	NP	Sophora Tomentosa	Necklace Pod	7 gal.
4	BB	Callicarpa americana	Beautyberry	7 gal
5	FB	Schaefferia frutescens	Florida Boxwood	7 gal
	SG	Coccoloba uvifera	Seagrape	7 gal.
12	C	Zamia Pumila	Coontie	7 gal
2	LS	Psidium longipes	Long Stalk Stopper	7 gal
	SF		Stopper Fig	
6	RS	Eugenia confusa	Redberry stopper	3-7 gal. 24" min
110	GC	Ernodea littoralis	Golden Creeper	1 gal
18	SJ	Hypericum fasciculatum	Peelbark St. John's-wort	1 gal
12	SL	Tournefortia gnaphalodes	Sea Lavender	1 gal
50	28	Pyschotria ligustrifolia	Bahama Coffee	3 gal
50	WC	Psychotria Nervosa	Wild Coffee	3 gal
96	PW	Stachytarpheta jamaicensis	Porterweed	1 gal
3	CR	Crinum asiaticum	Crinum	7 gal
1		Crinum asiaticum 'Queen Emma'	Crinum	7 gal
22		Crinum americanum	Crinum	3 gal
288	DS	Helianthus debilis	Dwarf Sunflower	4"
6	SB	Bourreria sp	Dwarf Strong Bark	7 gal.
20	QB	Crossopetalum ilicifolium	Quail Berry	1 gal
70	BV	Verbena	Beach Verbena	1 gal
8	BS	Senna mexicana var. chapmanii	Bahama Cassia	3 gal.
6		Yucca aloifolia	Spanish bayonet	3 gal.
Grasses				
40	WG	Aristida stricta	Wire Grass	1 gal
500	SA	Distichlis spicata	Salt Grass	2"
20	M	Panicum hemitomon	Maidencane	1 gal
60	S	Panicum virgatum	Switchgrass	4"
1600	NG	Paspalum virgatum	Nut Grass	2"
60	LG	Eragrostis elliotii	Silver love grass	1 gal
60		Eragrostis spectabilis	Purple love grass	1 gal
200	BG	Sisyrinchium angustifolium	Narrowleaf blueeyed-grass	4"
750		Sporobolus virginicus		2"
625	SG	Cladium jamaicense	Sawgrass	4"
1232	CG	Spartina spartinae	Gulf Cordgrass	4"
1039	MH	Spartina patens	Marsh Hay Cordgrass	4"
230	P1	Paspalum vaginatum	Paspalum	4"
3	VS	kwbg nursery	Velvet Seed	
Ferns				
6	LF	Acrostichum danaeifolium	Leather Fern	1 gal
6		Blechnum serrulatum	Swamp fern, Toothed mid	1 gal
8	RF	Osmunda regalis var. spectabilis	Royal fern	1 gal
8	CF	Osmunda cinnamomea	Cinnamon fern	1 gal
	SWF		Silver Wart Fern	Carolanne purchase from redland nursery
GC				
70	CO	Coreopsis spp.	Coreopsis	1 gal
98	YT	Flaveria linearis	Narrowleaf yellowtops	1 gal
		Ipomoea sagittata	Everglades morningglory	4"
372		Sesuvium portulacastrum	Sea purslane	2"
150	PH	Heliotropium polyphyllum	Pineland Heliotrope	1 gal
125	GO	Borrichia frutescens	Green Sea-Oxeye Daisy	1 gal
375	SO	Borrichia arborescens	Silver Sea-Oxeye Daisy	1 gal
70	WS	Heliotropium Angiospermum	White Scorpion Tail	1 gal
58	J	Jacquemontia havanensis	Jacquemontia	1 gal
40	WS?	Lantana involucrata	Wild Sage	3 gal
Aquatics				
230		Bacopa caroliniana	Lemmon hyssop	br
150		Bacopa monnieri	Water hyssop	br
60	YC	Canna flaccida	Yellow canna	4"
730	GCS	Eleocharis cellulosa	Gulf Coast spikerush	2"
50		Hibiscus coccineus	Scarlet rosemallow	1 gal
12	BNR	Juncus roemerianus	Black needle rush	4"
12		Juncus effusus	Soft rush	4"
30		Lachnanthes caroliana	Bloodroot	br
20		Nuphar lutea subsp. Advena	Spatterdock, Yellow Pond	br
20		Nymphaea odorata	American white waterlily	br
200	P	Pontederia cordata	Pickerelweed	4"
40		Pontederia cordata	Pickerelweed	1 gal
40		Sagittaria lancifolia	Bulltongue arrowhead	4"
40		Sagittaria latifolia	Arrowhead	4"
120		Saururus cernuus	Lizard's tail	br
70	A	Thalia geniculata	Alligatorflag	4"
100		Iris virginica	Blue Flag Iris	1 gal
150	H	Equisetum	Horsetail	1 gal
24	BR	Scirpus californicus	Bull Rush	4"

NOTES:
"WL" LINE DENOTES
AVERAGE WATER LEVEL

GENERAL LANDSCAPE NOTES

ALL LANDSCAPE MATERIAL SHALL BE FLA. NO. 1 GRADE OR BETTER, AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II, BY DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, AND SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK. LANDSCAPE MATERIAL SHALL BE PLANTED ACCORDING TO SOUND NURSERY PRACTICES.

SHRUBS AND GROUND COVER SHALL BE INSTALLED IN A PLANTING MIX BLANKET 6" IN DEPTH. PLANTING MIX SHALL BE COMPOSED BY VOLUME OF 40% SHARP-EDGED SAND; 30% MUCK; 30% TRIPLE-GROUND PINE BARK.

SHRUBS AND GROUND COVER SHALL BE WARRANTED FOR A PERIOD OF TWELVE CONSECUTIVE MONTHS FROM ISSUANCE BY LANDSCAPE ARCHITECT OF FINAL WRITTEN ACCEPTANCE OF ALL PLANT MATERIALS INSTALLATION.

THE CONTRACTOR SHALL MULCH ALL DISTURBED AREAS. ALL PLANTING SHALL BE MULCHED TO A 3" MINIMUM DEPTH.

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1519 MAIN STREET SARASOTA, FLORIDA, 34236 (941) 954-1718
IBI GROUP

DRAWN:	JCT
DESIGNED:	RGM
CHECKED:	JCT
DATE:	10-28-07

REV. | DATE | DESCRIPTION | BY

KEY WEST BOTANICAL GARDEN ADDITION PLANTING PLAN-B

SCALE 1"=10'-0"
PROJECT NUMBER 15178

Floristic Inventory
of the Key West Botanical Garden Addition Parcel

April 23, 2008

Submitted to:

Mrs. Cynthia Domenech-Coogle
Urban Forestry Program Manager

Mrs. Amy Kimball-Murley
Director of Planning

Mrs. Annalise Mannix, P.E.
Environmental Programs Manager
Office of the City Manager

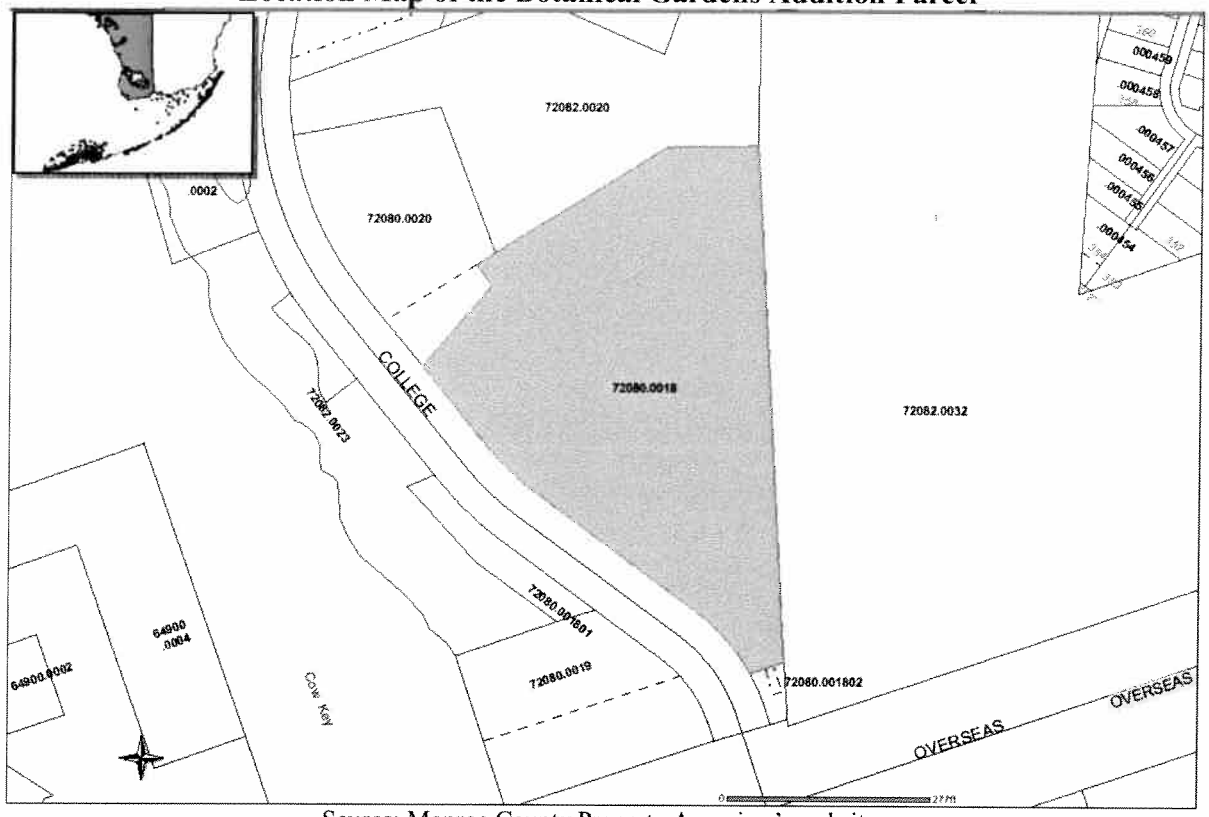
Submitted by:

George Gann
Institute for Regional Conservation

Stephen Hodges, Resident Botanist
Key West Botanical Garden Society
5210 College Road
Key West, Florida 33040

James Taylor
IBI Group
1519 Main Street
Sarasota, Florida 34236

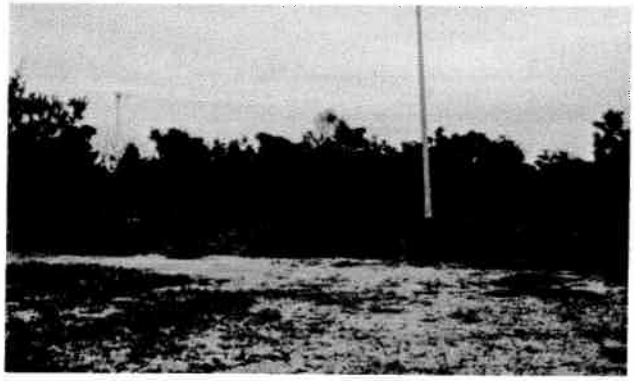
Location Map of the Botanical Gardens Addition Parcel



Source: Monroe County Property Appraiser's website

LEFT: This circa 1980 aerial photograph shows the Addition parcel nearly completely covered by buildings, parking or driveways.

BELOW: Photograph of the Addition parcel as it appeared in the spring of 2008



Floristic Inventory

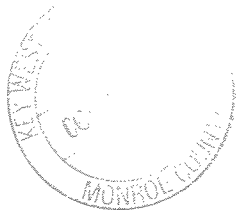
The Key West Botanical Garden Addition parcel mostly comprises a disturbed open field harboring a variety of native and exotic weeds. In the north-east corner a remnant patch of hardwood hammock persists, which is clearly marked on the plans as being a tree preserve that will be protected during construction; several small native trees are scattered nearby within the construction zone. In the north-central region, several large native hammock trees persist. In the far western portion of the construction areas, many hammock trees persist or have recently been planted within planting beds. George Gann of The Institute for Regional Conservation in collaboration with Stephen Hodges, resident botanist at the Key West Botanical Garden, developed criteria for mapping trees to be conserved during the construction process. All trees which met these criteria were mapped using a sub-meter accuracy GPS and are listed in the following table. Plants are listed in order of size (DBH) from largest to smallest.

TAXA	HEIGHT	SPREAD	DBH	CONDITION	X	Y	Notes
Guapira discolor	29	29	26	excellent	-81.74910000000	24.57340000000	
Bursera simaruba	17	0	25	good	-81.74840000000	24.57360000000	
Bursera simaruba	30	20	23	good	-81.74910000000	24.57340000000	
Coccoloba diversifolia	37	31	23	good	-81.74870000000	24.57360000000	
Bursera simaruba	30	30	20	good	-81.74860000000	24.57370000000	
Bursera simaruba	33	38	19	good	-81.74870000000	24.57370000000	
Guapira discolor	23	18	19	excellent	-81.74910000000	24.57340000000	
Bursera simaruba	22	30	18	good	-81.74850000000	24.57290000000	
Ficus aurea	23	34	18	good	-81.74910000000	24.57320000000	
Bursera simaruba	24	41	17	good,fr	-81.74860000000	24.57310000000	
Bursera simaruba	33	27	17	good	-81.74910000000	24.57340000000	
Bursera simaruba	28	23	14,11,13	good	-81.74910000000	24.57340000000	
Bursera simaruba	30	22	14	excellent	-81.74910000000	24.57340000000	
Sabal palmetto	18	10	14	fair	-81.74910000000	24.57340000000	
Bursera simaruba	29	32	13	good	-81.74870000000	24.57370000000	
Bursera simaruba	34	17	13	good	-81.74910000000	24.57340000000	
Guapira discolor	27	25	11	excellent	-81.74910000000	24.57340000000	
Bursera simaruba	28	20	10	good	-81.74870000000	24.57370000000	
Citharexylum spinosum	23	20	10	rotted at base of trunk	-81.74910000000	24.57340000000	major specimen
Guapira discolor	26	21	10	good	-81.74870000000	24.57370000000	
Sabal palmetto	16	15	10	good	-81.74910000000	24.57340000000	
Sabal palmetto	18	14	10	good	-81.74920000000	24.57340000000	
Sabal palmetto	14	9	10	good	-81.74910000000	24.57350000000	
Bursera simaruba	19	20	9	fr	-81.74860000000	24.57310000000	
Ficus aurea	0	20	9	fair	-81.74840000000	24.57350000000	
Ficus aurea	24	22	9	good,fr	-81.74870000000	24.57300000000	
Sabal palmetto	14	15	9	good	-81.74920000000	24.57340000000	
Sabal palmetto	16	11	8	good	-81.74920000000	24.57340000000	
Bursera simaruba	23	0	7	good	-81.74870000000	24.57360000000	
Ficus aurea	25	22	7	fair	-81.74850000000	24.57350000000	
Ficus citrifolia	19	24	7	good	-81.74910000000	24.57340000000	

TAXA	HEIGHT	SPREAD	DBH	CONDITION	X	Y	Notes
Lysiloma latisiliquum	19	28	7	good	-81.74920000000	24.57330000000	
Psidium guajava	27	20	7	good	-81.74910000000	24.57340000000	
Thrinax radiata	9	12	7	good	-81.74910000000	24.57340000000	
Thrinax radiata	13	10	7	good	-81.74910000000	24.57340000000	
Thrinax radiata	11	14	6	good	-81.74920000000	24.57330000000	
Thrinax radiata	11	10	6	good	-81.74920000000	24.57330000000	
Capparis cynophallophora	10	8	5	good	-81.74920000000	24.57330000000	
Thrinax radiata	13	12	5	good	-81.74910000000	24.57340000000	
Thrinax radiata	12	12	5	good	-81.74910000000	24.57340000000	
Thrinax radiata	12	13	5	good	-81.74910000000	24.57340000000	
Thrinax radiata	11	9	5	good	-81.74910000000	24.57340000000	
Thrinax radiata	16	10	5	good	-81.74920000000	24.57330000000	
Bursera simaruba	16	NA	4	good	-81.74920000000	24.57330000000	
Coccoloba diversifolia	20	9	4	good	-81.74910000000	24.57340000000	
Piscidia piscipula	23	23	4	good	-81.74840000000	24.57300000000	
Pithecellobium keyensis	11	15	4	good	-81.74920000000	24.57330000000	
Ficus aurea	16	10	3	poor	-81.74840000000	24.57350000000	
Gymnanthes lucida	12	13	3	excellent	-81.74910000000	24.57340000000	
Gymnanthes lucida	12	6	3	good	-81.74920000000	24.57330000000	
Eugenia foetida	15	8	2	good	-81.74910000000	24.57350000000	
Eugenia foetida	14	9	2	good	-81.74920000000	24.57330000000	
Ficus citrifolia	13	11	2	fair	-81.74840000000	24.57350000000	
Genipa clusifolia	11	10	2	good	-81.74910000000	24.57340000000	
Guapira discolor	14	0	2	good	-81.74840000000	24.57350000000	
Gymnanthes lucida	13	8	2	excellent	-81.74910000000	24.57340000000	
Gymnanthes lucida	11	8	2	good	-81.74910000000	24.57340000000	
Gymnanthes lucida	10	8	2	good	-81.74920000000	24.57330000000	
Piscidia piscipula	13	21	2	fair	-81.74820000000	24.57320000000	
Piscidia piscipula	21	8	2	good	-81.74820000000	24.57310000000	
Ardisia escallonioides	8	10	1	good	-81.74920000000	24.57340000000	
Bursera simaruba	10	0	1	fair	-81.74850000000	24.57350000000	
Gymnanthes lucida	9	8	1	good	-81.74920000000	24.57330000000	
Piscidia piscipula	12	12	1	poor	-81.74810000000	24.57310000000	
Reynosia septentrionalis	9	12	1		-81.74910000000	24.57340000000	
Byrsonima lucida	10	16	NA	good	-81.74920000000	24.57330000000	
Coccothrinax argentata	5	7	NA	good	-81.74920000000	24.57330000000	

June 26, 2007

Ms. Cynthia Domenech-Coogle
City of Key West
Parks & Recreation Department
1801 White Street
Key West, FL 33040



Dear Ms. Domenech-Coogle,

On behalf of The Key West Botanical Garden Society we are glad to report that the annual Husbandry Report and the Major Specimen Inventory are completed and included for your records.

Phase II of the TDC project is ongoing. Additional plantings will take place in the new garden during the 2007-2008 season to include orchids placed around the new pond area along with other plantings that will be placed along the boardwalk. Detailed records of all plantings will continue to be recorded in the Access program such as the one attached.

Should you need anything further, please do not hesitate to contact me.

Best regards,

Vicki Grant, Executive Director
Key West Botanical Garden Society

Enc. Key West Botanical Garden Society Husbandry Report
Key West Botanical Garden Society Major Specimen Report

Cc: John Jones, Acting City Manager
Cheryl Smith, City Clerk
Shawn Smith, City Attorney
Kat Watts, Internal Auditor
Roger Wittenberg, Finance Director
Peter Rysman, President, Key West Botanical Garden Society

Husbandry Report

KEY WEST PLANNING DEPT
OCT 15 2010
MONROE COUNTY

For the Key West Botanical Garden Society

June 26, 2007

Submitted to:

Mrs. Cynthia Domenech-Coogle
Urban Forestry Program Manager

Mr. John Jones
Acting City Manager

Mr. Grant Gelhardt
Florida Communities Trust

Submitted by:
Vicki Grant, Executive Director
Stephen Hodges, Resident Botanist
Key West Botanical Garden Society
5210 College Road
Key West, Florida
33040

Methods for Major Specimen Delineation

Species native to the Lower Florida Keys were surveyed for qualification as major specimens. To determine which species qualified as major specimens species-specific parameters were developed. For all hardwood species diameter at breast height, or dbh, was used. For palms, such as the Florida thatch palm, *Thrinax radiata*, height was used as the parameter. For species that typically have split trunks, the dbh was measured right beneath the split, unless this split occurred less than a foot off the ground in which case the largest trunk was measured. In total, 174 individuals were mapped, these are listed in the table Major Specimen Inventory of the Key West Botanical Garden. All data was collected between June 14th, 2005 and June 21st, 2005. The column "Qualifiers" is a list of the number of individuals of each species that were mapped. The coordinates are listed in longitude and latitude where X = Long and Y = Latitude.

Mapping was done using GPS Trimble technology provided by the Institute for Regional Conservation and mapped on ARC GIS. George Gann of the Institute for Regional Conservation and Stephen Hodges of the Key West Botanical Garden conducted all inventory work. Intern Abbey Palmer provided field assistance. IRC biologist Steve Green provided assistance with data interpretation.

The extensive natural area protruding into the golf course behind Desbiens Pond was excluded because no species will be removed from this area except for invasive or exotic species. The only additions will be native species that will help to regenerate the natural canopy.

The following is a list of species that, although some large specimens exist, did not qualify because they are not native to and are invasive in the lower Florida Keys.

Adenanthera pavonina	Red sandalwood
Albizia lebbeck	Woman's Tongue
Calophyllum inophyllum	Beautyleaf
Casuarina equisetifolia	Australian-pine
Delonix regia	Royal Poinciana
Flacourtia indica	Governor's plum
Leucaena leucocephala	Lead Tree
Livistona chinensis	Chinese fan palm
Manilkara zapota	Sapodilla
Parkinsonia aculeata	Mexican palo verde
Ptychosperma elegans	Solitaire palm
Schefflera actinophylla	Australian umbrellatree
Schinus terebinthifolius	Brazilian-pepper
Spathodea campanulata	African tuliptree
Swietenia mahagoni	West Indian Mahagony
Terminalia catappa	Tropical-almond
Thespesia populnea	Portiatree
Washingtonia robusta	Desert palm

Species Specific Parameters

Qualifier	Species	Common Name
1 in dbh or greater:	*Randia aculeata*	White Indigo Berry
2 in dbh or greater:	*Eugenia rhombea*	Red Stopper
	Capparis flexuosa	Limber Caper
3 in dbh or greater:	*Guajacum sanctum*	Lignum Vitae
	Guajacum officinale	Cuban Lignum Vitae
	Canella winterana	Cinnamon Bark
	Drypetes diversifolia	Milkbark
	Sideroxylon celastrinum	Saffron Plum
	Eugenia axillaris	White Stopper
	Jacquinia keyensis	Joewood
4 in dbh or greater:	*Eugenia foetida*	Spanish Stopper
	Manilkara jaimiqui subsp. emarginata	Wild Dilly
6 in dbh or greater:	*Pithecellobium unguis-cati*	Cat's Claw
	Krugiodendron ferreum	Ironwood
	Exothea paniculata	Inkwood
	Reynosia septentrionalis	Darling Plum
	Byrsonima lucida	Locust Berry
9 in dbh or greater:	*Guapira discolor*	Blolly
12 in dbh or greater:	*Coccoloba diversifolia*	Pigeon plum
	Piscidia piscipula	Jamaican Dogwood
	Sideroxylon foetidissimum	False Mastic
18 in dbh or greater:	*Bursera simaruba*	Gumbo Limbo
	Conocarpus erectus	Buttonwood
3 ft. dbh of trunk system:	*Ficus citrifolia*	Short leaf Fig
5 ft. dbh of trunk system:	*Ficus aurea*	Strangler Fig
3 ft. of grey wood to base of crown shaft:	*Pseudophoenix sargentii*	Sargent's Cherry Palm
15 ft. of clear trunk:	*Thrinax radiata*	Florida Thatch Palm
3 ft. or higher:	*Solanum bahamense*	Bahama Nightshade

Methods for the Husbandry Report

The Husbandry Report table is based off the Key West Botanical Garden (KWBG) accession database. This is a database in Microsoft Access. Accession numbers were assigned to all plants having been received and planted from June, 2006 through June 5th, 2007. Accession records were then compared to existing plantings for accuracy. Eventually all plants will be individually tagged, however this is still in process. Small herbaceous plants were frequently accessioned in groups by planting areas. In other words, groups of plants may have one accession number, but multiple individuals. These differences are reflected in the column labeled "Individuals". The database and planting area inventories were compiled by KWBG botanist Stephen Hodges.

The information is provided in two formats. One table, Husbandry Report for the Key West Botanical Garden: Table Sorted by Species shows the information organized by scientific name. The other table, Husbandry Report for the Key West Botanical Garden: Table Sorted by Zone shows the exact same information but is organized by the area where the plantings occurred. Both formats are provided for ease in understanding the information. A total of 386 planting records are provided here. The actual number of individuals is higher since some of the numbers contain multiple individuals. It is important to note that on occasion individual plants, especially recently planted individuals may die. Ultimately, the database will reflect any mortality; however it is impossible to have all data continually updated.

When possible, Latin names are standardized off of The Guide to the Vascular Plants of Florida, Second Edition by Richard Wunderlin and Bruce Hansen. Planting zones are organized for ease in tracking and are quite specific. Right and left orientation for plantings near the entrance are oriented if a person is facing into the garden from College Road.

Husbandry Report for the Key West Botanical Garden: Table Sorted by Zone

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.02	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.09	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.07	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.06	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.05	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.03	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.08	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.01	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.10	4/14/2007
Boardwalk	Bourreria	succulenta	1	Bahama Strongbark	2007:039.04	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.09	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.10	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.05	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.11	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.12	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.13	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.08	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.07	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.06	4/14/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.04	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.03	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.02	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.14	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.15	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.21	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.20	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.19	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.18	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.17	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.16	4/14/2007
Boardwalk	Byrsonima	lucida	1	Locustberry	2007:037.01	4/14/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.03	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.01	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.13	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.02	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.04	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.05	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.06	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.12	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.08	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.09	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.10	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.11	3/1/2007
Boardwalk	Caparis	cynophallophora	1	Jamaica Caper	2007:019.07	3/1/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.02	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.03	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.04	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.05	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.06	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.07	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.12	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.11	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.08	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.01	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.09	4/14/2007
Boardwalk	Eugenia	foetida	1	Spanish Stopper	2007:035.10	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.04	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.10	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.02	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.03	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.05	4/14/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.06	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.07	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.08	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.09	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.11	4/14/2007
Boardwalk	Eugenia	rhombea	1	Red Stopper	2007:034.01	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.05	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.03	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.06	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.04	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.01	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.07	4/14/2007
Boardwalk	Gymnanthes	lucida	1	Crabwood	2007:036.02	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.09	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.01	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.10	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.08	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.07	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.06	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.05	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.04	4/14/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.02	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.03	4/14/2007
Boardwalk	Thrinax	morrisii	1	Silver Thatch Palm	2007:038.11	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.01	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.02	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.03	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.04	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.05	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.06	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.07	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.11	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.08	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.12	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.10	4/14/2007
Boardwalk	Zanthoxylum	flavum	1	Satinwood	2007:040.09	4/14/2007
Butterfly Garden	Bourreria	cassinifolia	1	Pineland strongback	2007:047:04	6/5/2007
Butterfly Garden	Bourreria	cassinifolia	1	Pineland strongback	2007:047:03	6/5/2007
Butterfly Garden	Bourreria	succulenta	1	Bahama strongback	2007:043:04	6/5/2007
Butterfly Garden	Bourreria	succulenta	1	Bahama strongback	2007:043:03	6/5/2007
Butterfly Garden	Tetrazigia	bicolor	1	West Indian Lilac	2007:049:02	6/5/2007
Butterfly Garden	Tetrazigia	bicolor	1	West Indian Lilac	2007:049:03	6/5/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Butterfly Garden	Tetrazigia	bicolor	1	West Indian Lilac	2007:049:01	6/5/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.05	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.04	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.03	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.06	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.01	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.02	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.08	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.09	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.10	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.12	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.07	3/1/2007
Chapel	Cocothrinax	borhidiana	1	Borhidis Guano Palm	2007:004.11	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.09	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.14	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.13	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.02	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.01	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.12	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.03	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.10	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.08	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.07	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.06	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.05	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.04	3/1/2007
Chapel	Cocothrinax	crinita	1	Old Man Palm	2007:022.11	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.03	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.01	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.02	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.10	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.09	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.08	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.07	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.06	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.05	3/1/2007
Chapel	Cocothrinax	miraguama	1	Miraguama Palm	2007:021.04	3/1/2007
Chapel	Copernicia	baileyana	1	Bailey's Palm	2007:005.04	3/1/2007
Chapel	Copernicia	baileyana	1	Bailey's Palm	2007:005.03	3/1/2007
Chapel	Copernicia	baileyana	1	Bailey's Palm	2007:005.01	3/1/2007
Chapel	Copernicia	baileyana	1	Bailey's Palm	2007:005.02	3/1/2007
Chapel	Copernicia	fallense	1	Fallense Palm	2007:013.01	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Chapel	Copernicia	fallense	1	Fallense Palm	2007:013.02	3/1/2007
Chapel	Copernicia	fallense	1	Fallense Palm	2007:013.03	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.01	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.03	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.09	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.08	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.07	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.06	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.04	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.02	3/1/2007
Chapel	Copernicia	macroglossa	1	Cuban Petticoat Palm	2007:008.05	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.02	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.01	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.03	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.04	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.05	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.08	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.07	3/1/2007
Chapel	Sabal	domingensis	1	Cuban Sabal Palm	2007:006.06	3/1/2007
Chapel	Zamia	pumila	40	Coontie	2007:007(G)	3/1/2007
Fence	Bursera	simaruba	1	Gumbo Limbo	2007:018.01	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Fence	Conocarpus	erectus	1	Green Buttonwood	2007:015.50	3/1/2007
Left Fence Entrance Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.31	3/1/2007
Left Fence Entrance Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.32	3/1/2007
Left Fence Entrance Outside	Coccoloba	uvifera	1	Seagrape	2007:029.12	3/1/2007
Left Fence Inside	Borrichia	frutescens	17	Silver Sea Oxeye Daisy	2007:028.02	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.14	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.63	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.64	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.15	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.66	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.54	3/1/2007
Left Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.65	3/1/2007
Left Fence Inside	Coccoloba	uvifera	1	Seagrape	2007:029.10	3/1/2007
Left Fence Inside	Coccoloba	uvifera	1	Seagrape	2007:029.01	3/1/2007
Left Fence Inside	Coccoloba	uvifera	1	Seagrape	2007:029.11	3/1/2007
Left Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.01	3/1/2007
Left Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.10	3/1/2007
Left Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.12	3/1/2007
Left Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.11	3/1/2007
Left Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.13	3/1/2007
Left Fence Inside	Guajacum	sanctum	1	Lignum Vitae	2007:020.01	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.39	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.38	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.37	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.36	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.35	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.34	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.33	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.59	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.57	3/1/2007
Left Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.40	3/1/2007
Left Fence Outside	Coccoloba	uvifera	1	Seagrape	2007:029.02	3/1/2007
Left Fence Outside	Coccoloba	uvifera	1	Seagrape	2007:029.13	3/1/2007
Left Fence Outside	Coccoloba	uvifera	1	Seagrape	2007:029.14	3/1/2007
Left Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.26	3/1/2007
Left Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.24	3/1/2007
Left Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.25	3/1/2007
Left Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.27	3/1/2007
Left Fence Outside	Guajacum	sanctum	1	Lignum Vitae	2007:020.08	3/1/2007
Left Fence Outside	Hamelia	patens	1	Fire Bush	2007:012.04	3/1/2007
Left Fence Outside	Suriana	maritima	1	Bay Cedar	2007:001.05	3/1/2007
Left Fence Outside	Suriana	maritima	1	Bay Cedar	2007:001.04	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Left Fence Outside	Thrinax	radiata	1	Green Thatch Palm	2007:016.05	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.01	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.11	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.02	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.15	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.16	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.10	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.12	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.13	3/1/2007
Left Front Entrance Inside	Ilex	cassine	1	Dahoon Holly	2007:010.14	3/1/2007
Left Front Entrance Inside	Stachytarpheta	jamaicensis	22	Dwarf Blue Porterweed	2007:011.02	3/1/2007
Left Front Entrance Inside	Tripsacum	dactyloides	2	Fakahatchee Grass	2007:014.02	3/1/2007
Left Front Entrance Outside	Borrichia	frutescens	15	Silver Sea Oxeye Daisy	2007:028.05	3/1/2007
Left Front Entrance Outside	Bourreria	cassinifolia	1	Little Strongbark	2007:047.01	3/1/2007
Left Front Entrance Outside	Callicarpa	americana	1	Beauty Berry	2007:044:03	3/1/2007
Left Front Entrance Outside	Genipa	clusiifolia	1	Seven-Year Apple	2007:026.05	3/1/2007
Left Front Entrance Outside	Genipa	clusiifolia	1	Seven-Year Apple	2007:026.01	3/1/2007
Left Front Entrance Outside	Guajacum	sanctum	1	Lignum Vitae	2007:020.06	3/1/2007
Left Front Entrance Outside	Guajacum	sanctum	1	Lignum Vitae	2007:020.07	3/1/2007
Left Front Entrance Outside	Guajacum	sanctum	1	Lignum Vitae	2007:020.05	3/1/2007
Left Front Entrance Outside	Hamelia	patens	2	Fire Bush	2007:012.03	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.25	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.28	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.35	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.26	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.27	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.30	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.31	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.32	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.34	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.33	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.36	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.37	4/14/2007
Left Front Entrance Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.29	4/14/2007
Left Front Entrance Outside	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.07	3/1/2007
Left Front Entrance Outside	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.06	3/1/2007
Left Front Entrance Outside	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.05	3/1/2007
Left Front Entrance Outside	Suriana	maritima	1	Bay Cedar	2007:001.03	3/1/2007
Left Front Entrance Outside	Thrinax	radiata	1	Green Thatch Palm	2007:048.02	3/1/2007
Left Front Entrance Outside	Thrinax	radiata	1	Green Thatch Palm	2007:016.03	3/1/2007
Left Front Entrance Outside	Tripsacum	dactyloides	3	Fakahatchee Grass	2007:014.05	3/1/2007
Right Fence Entrance Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.30	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Fence Entrance Out.	Coccoloba	diversifolia	1	Pigeon Plum	2007:025.01	3/1/2007
Right Fence Entrance Out.	Guajacum	sanctum	1	Lignum Vitae	2007:020.03	3/1/2007
Right Fence Entrance Out.	Guajacum	sanctum	1	Lignum Vitae	2007:020.02	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.21	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.16	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.17	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.18	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.20	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.23	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.24	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.25	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.26	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.27	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.28	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.29	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.55	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.22	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.56	3/1/2007
Right Fence Inside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.19	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.21	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.14	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.15	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.16	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.17	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.18	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.02	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.20	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.22	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.23	3/1/2007
Right Fence Inside	Conocarpus	erectus	1	Green Buttonwood	2007:015.19	3/1/2007
Right Fence Outside	Bourreria	succulenta	1	Bahama Strongbark	2007:043:02	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.58	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.51	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.50	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.49	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.48	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.47	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.46	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.45	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.44	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.43	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.42	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.41	3/1/2007
Right Fence Outside	Caparis	cynophallophora	1	Jamaica Caper	2007:019.52	3/1/2007
Right Fence Outside	Chrysophyllum	oliviforme	1	Satin Leaf	2007:031.04	3/1/2007
Right Fence Outside	Chrysophyllum	oliviforme	1	Satin Leaf	2007:031.03	3/1/2007
Right Fence Outside	Coccoloba	uvifera	1	Seagrape	2007:029.03	3/1/2007
Right Fence Outside	Coccoloba	uvifera	1	Seagrape	2007:029.05	3/1/2007
Right Fence Outside	Coccoloba	uvifera	1	Seagrape	2007:029.04	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.28	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.03	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.37	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.36	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.35	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.34	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.33	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.32	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.31	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.29	3/1/2007
Right Fence Outside	Conocarpus	erectus	1	Green Buttonwood	2007:015.30	3/1/2007
Right Fence Outside	Genipa	clusiifolia	1	Seven-Year Apple	2007:026.02	3/1/2007
Right Fence Outside	Genipa	clusiifolia	1	Seven-Year Apple	2007:026.03	3/1/2007
Right Fence Outside	Genipa	clusiifolia	1	Seven-Year Apple	2007:026.04	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Fence Outside	Guajacum	sanctum	1	Lignum Vitae	2007:020.09	3/1/2007
Right Fence Outside	Pseudophoenix	sargentii	1	Buccaneer Palms	2007:002.02	3/1/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.41	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.45	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.44	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.42	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.40	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.43	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.38	4/14/2007
Right Fence Outside	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.39	4/14/2007
Right Fence Outside	Senna	mexicana var. chapmanii	1	Bahama Senna	2007:003.05	3/1/2007
Right Fence Outside	Suriana	maritima	1	Bay Cedar	2007:001.08	3/1/2007
Right Fence Outside	Suriana	maritima	1	Bay Cedar	2007:001.06	3/1/2007
Right Fence Outside	Suriana	maritima	1	Bay Cedar	2007:001.07	3/1/2007
Right Fence Outside	Thrinax	radiata	1	Green Thatch Palm	2007:016.06	3/1/2007
Right Front Entrance In	Borrichia	frutescens	17	Silver Sea Oxeye Daisy	2007:028.03	3/1/2007
Right Front Entrance In	Chrysophyllum	oliviforme	1	Satin Leaf	2007:031.02	3/1/2007
Right Front Entrance In	Chrysophyllum	oliviforme	1	Satin Leaf	2007:031.10	3/1/2007
Right Front Entrance In	Chrysophyllum	oliviforme	1	Satin Leaf	2007:031.11	3/1/2007
Right Front Entrance In	Chrysophyllum	oliviforme	1	Satin Leaf	2007:031.01	3/1/2007
Right Front Entrance In	Guajacum	sanctum	1	Lignum Vitae	2007:020.04	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Front Entrance In	Pseudophoenix	sargentii	1	Buccaneer Palms	2007:002.01	3/1/2007
Right Front Entrance In	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.23	4/14/2007
Right Front Entrance In	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.24	4/14/2007
Right Front Entrance In	Senna	mexicana var. chapmanii	2	Bahama Senna	2007:003.03	3/1/2007
Right Front Entrance In	Senna	mexicana var. chapmanii	2	Bahama Senna	2007:003.04	3/1/2007
Right Front Entrance In	Stachytarpheta	jamaicensis	13	Dwarf Blue Porterweed	2007:011.03	3/1/2007
Right Front Entrance In	Tripsacum	dactyloides	1	Fakahatchee Grass	2007:014.04	3/1/2007
Right Front Entrance Out	Borrichia	frutescens	14	Silver Sea Oxeye Daisy	2007:028.04	3/1/2007
Right Front Entrance Out	Bourreria	cassinifolia	1	Little Strongbark	2007:047.02	3/1/2007
Right Front Entrance Out	Bourreria	succulenta	1	Bahama Strongbark	2007:043:01	3/1/2007
Right Front Entrance Out	Byrsonima	lucida	1	Locustberry	2007:046.01	4/14/2007
Right Front Entrance Out	Callicarpa	americana	1	Beauty Berry	2007:044:02	3/1/2007
Right Front Entrance Out	Callicarpa	americana	1	Beauty Berry	2007:044:01	3/1/2007
Right Front Entrance Out	Eugenia	rhombea	1	Red Stopper	2007:042:01	3/1/2007
Right Front Entrance Out	Ficus	citrifolia	1	Shortleaf Fig	2007:030.01	3/1/2007
Right Front Entrance Out	Hamelia	patens	1	Fire Bush	2007:012.02	3/1/2007
Right Front Entrance Out	Manilkara	jaimiqui subsp. emarginata	1	Wild Dilly	2007:033.01	3/1/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.01	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.02	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.03	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.04	4/14/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.20	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.06	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.07	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.05	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.15	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.22	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.18	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.08	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.19	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.16	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.21	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.14	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.13	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.12	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.11	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.10	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.09	4/14/2007
Right Front Entrance Out	Psychotria	ligustrifolia	1	Bahama Wild Coffee	2007:041.17	4/14/2007
Right Front Entrance Out	Senna	mexicana var. chapmanii	4	Bahama Senna	2007:003.02	3/1/2007
Right Front Entrance Out	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.01	3/1/2007
Right Front Entrance Out	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.04	3/1/2007

Zone	Genus	Species	Individuals	Common Name	Accession Number	Date of Accession
Right Front Entrance Out	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.02	3/1/2007
Right Front Entrance Out	Sideroxylon	salicifolium	1	Willow Bustic	2007:032.03	3/1/2007
Right Front Entrance Out	Suriana	maritima	1	Bay Cedar	2007:001.02	3/1/2007
Right Front Entrance Out	Suriana	maritima	1	Bay Cedar	2007:001.10	3/1/2007
Right Front Entrance Out	Suriana	maritima	1	Bay Cedar	2007:001.01	3/1/2007
Right Front Entrance Out	Thrinax	radiata	1	Green Thatch Palm	2007:048.01	3/1/2007
Right Front Entrance Out	Thrinax	radiata	1	Green Thatch Palm	2007:016.02	3/1/2007
Right Front Entrance Out	Thrinax	radiata	1	Green Thatch Palm	2007:016.04	3/1/2007
Right Front Entrance Out	Thrinax	radiata	1	Green Thatch Palm	2007:016.01	3/1/2007
Right Front Entrance Out	Tripsacum	dactyloides	4	Fakahatchee Grass	2007:014.03	3/1/2007

Major Specimen Inventory of the Key West Botanical Garden

Genus	Species	Qualifier #	Common Name	X	Y
Barringtonia	asiatica	1	Box fruit	-81.7492540899918	24.5739403243967
Bursera	simaruba	1	Gumbo-limbo	-81.7486294874601	24.5725490084662
Bursera	simaruba	2	Gumbo-limbo	-81.7492745540646	24.5734950754559
Bursera	simaruba	3	Gumbo-limbo	-81.7487561911421	24.5741719366914
Bursera	simaruba	4	Gumbo-limbo	-81.7493128642837	24.5738941505057
Bursera	simaruba	5	Gumbo-limbo	-81.7500045094741	24.5738772432516
Byrsonima	lucida	1	Locustberry	-81.7497635217472	24.5741332001937
Canella	winterana	1	Cinnamon bark	-81.7500687255636	24.5739711198809
Canella	winterana	2	Cinnamon bark	-81.7500687255636	24.5739711198809
Capparis	flexuosa	1	Limber caper	-81.7485641589092	24.5742060353855
Capparis	flexuosa	2	Limber caper	-81.7485641589092	24.5742060353855
Capparis	flexuosa	3	Limber caper	-81.7484425354973	24.5743505996031
Coccoloba	diversifolia	1	Pigeonplum,	-81.7487849289776	24.5736328920603
Coccoloba	diversifolia	2	Pigeonplum	-81.7496143736852	24.5739440637777
Coccothrinax	barbadensis	1		-81.7492238071211	24.5741004675698
Conocarpus	erectus	1	Buttonwood	-81.7484553859098	24.5738802370946
Conocarpus	erectus	2	Buttonwood	-81.7482808562822	24.5738939373664
Conocarpus	erectus	3	Buttonwood	-81.7485837677268	24.5740800079936
Conocarpus	erectus	4	Buttonwood	-81.7485582467662	24.5741644597281

Genus	Species	Qualifier #	Common Name	X	Y
Conocarpus	erectus	5	Buttonwood	-81.7485452929317	24.574193665211
Conocarpus	erectus	6	Buttonwood	-81.7485556585174	24.574206922117
Conocarpus	erectus	7	Buttonwood	-81.7482148208642	24.5742690715645
Conocarpus	erectus	8	Buttonwood	-81.7483386979771	24.5742053339143
Conocarpus	erectus	9	Buttonwood	-81.7484323030113	24.5740151300031
Drypetes	diversifolia	1	Milkbark	-81.7499814913267	24.5740094939519
Eugenia	foetida	1	Spanish stopper	-81.7499248007639	24.5739658732362
Eugenia	foetida	2	Spanish stopper	-81.7495554887767	24.573954280076
Exothea	paniculata	1	Inkwood	-81.7490135060605	24.5742580063063
Exothea	paniculata	2	Inkwood	-81.7497564935455	24.5738858785417
Ficus	aurea	1	Strangler fig	-81.7487372568161	24.5739225852697
Ficus	citrifolia	1	Short-leaf fig	-81.7486304443387	24.5741256926534
Ficus	citrifolia	2	Short-leaf fig	-81.7500028763052	24.5739315982751
Guajacum	officinale	1	Common lignumvitae	-81.7493050096051	24.573827275121
Guajacum	sanctum	1	Lignumvitae	-81.7494481277129	24.573638937303
Guajacum	sanctum	2	Lignumvitae	-81.7488960483082	24.5739375652767
Guajacum	sanctum	3	Lignumvitae	-81.7491399048724	24.5737254304985
Guajacum	sanctum	4	Lignumvitae	-81.748493023436	24.5743097577924
Guajacum	sanctum	5	Lignumvitae	-81.7493009923336	24.5739318590784
Guajacum	sanctum	6	Lignumvitae	-81.749624546816	24.5739607533959
Guapira	discolor	1	Blolly	-81.7492121591022	24.5729758536809

Genus	Species	Qualifier #	Common Name	X	Y
Guapira	discolor	2	Blolly	-81.7491811019152	24.5733568955254
Guapira	discolor	3	Blolly	-81.7491811019152	24.5733568955254
Guapira	discolor	4	Blolly	-81.7498112892367	24.5739567226346
Guapira	discolor	5	Blolly	-81.7499188283664	24.5736861571054
Guapira	discolor	6	Blolly	-81.7497281091436	24.5737621498169
Kigelia	pinnata	1	Sausage tree	-81.7492334919201	24.5729415985048
Krugiodendron	ferreum	1	Black ironwood	-81.7497341049236	24.5741033301118
Krugiodendron	ferreum	2	Black ironwood	-81.7496257878804	24.5739693895853
Manilkara	jaimiqui	1	Wild dilly	-81.7497979513917	24.5740646925394
Piscidia	piscipula	1	Jamaica-dogwood	-81.7486577243732	24.5726410450827
Piscidia	piscipula	2	Jamaica-dogwood	-81.7484964669401	24.5725927173154
Piscidia	piscipula	3	Jamaica-dogwood	-81.7485436498703	24.574243469665
Pithecellobium	unguis-cati	1	Cat's-claw	-81.7482493566288	24.5737400273943
Pseudophoenix	sargentii	1	Sargent's palm	-81.7493884819779	24.5736818925204
Randia	aculeata	1	White indigoberry	-81.7491665976495	24.5742065336099
Reynosia	septentrionalis	1	Darlingplum	-81.7497556814577	24.5741022716098
Reynosia	septentrionalis	2	Darlingplum	-81.7498166590886	24.5740432661921
Sideroxylon	celastrinum	1	Saffronplum	-81.7492653036382	24.5729288371252
Sideroxylon	celastrinum	2	Saffronplum	-81.7485837677268	24.5740800079936
Sideroxylon	celastrinum	3	Saffronplum	-81.7483173076027	24.5741153630406
Sideroxylon	celastrinum	4	Saffronplum	-81.7499566547502	24.5736477272765

Genus	Species	Qualifier #	Common Name	X	Y
Sideroxylon	foetidissimum	1	Wild mastic, False mastic	-81.7490666982605	24.574316973053
Solanum	bahamense	1	Bahama nightshade	-81.7487576669296	24.5739201328185
Solanum	bahamense	2	Bahama nightshade	-81.7494697474144	24.5739457410133
Terminalia	arjuna	1	Arjun	-81.749236541521	24.5740192938641
Thrinax	radiata	1	Florida thatch palm	-81.7493958096538	24.5736938930735
Thrinax	radiata	2	Florida thatch palm	-81.7493294064131	24.573655883228
Thrinax	radiata	3	Florida thatch palm	-81.7492802332832	24.5735752724979
Thrinax	radiata	4	Florida thatch palm	-81.749252004464	24.5735344927405
Thrinax	radiata	5	Florida thatch palm	-81.7491484673174	24.5736206747706
Thrinax	radiata	6	Florida thatch palm	-81.7491157454854	24.573646256885
Thrinax	radiata	7	Florida thatch palm	-81.7487372568161	24.5739225852697
Thrinax	radiata	8	Florida thatch palm	-81.7488822284266	24.5739678067786
Thrinax	radiata	9	Florida thatch palm	-81.7488183936496	24.5738778359048
Thrinax	radiata	10	Florida thatch palm	-81.7488146425774	24.573859890833
Thrinax	radiata	11	Florida thatch palm	-81.7491729495611	24.5738484829331
Thrinax	radiata	12	Florida thatch palm	-81.7491419301456	24.5741819542395
Thrinax	radiata	13	Florida thatch palm	-81.7491482262991	24.574170907867
Thrinax	radiata	14	Florida thatch palm	-81.7486000931195	24.5741353900428
Thrinax	radiata	15	Florida thatch palm	-81.7486060529266	24.5741595683156
Thrinax	radiata	16	Florida thatch palm	-81.7486529058057	24.5741379890835
Thrinax	radiata	17	Florida thatch palm	-81.7486669523165	24.5741556112986

Genus	Species	Qualifier #	Common Name	X	Y
Thrinax	radiata	18	Florida thatch palm	-81.748688974015	24.574131556233
Thrinax	radiata	19	Florida thatch palm	-81.7486950552306	24.5741089373847
Thrinax	radiata	20	Florida thatch palm	-81.7486882185845	24.5741262367432
Thrinax	radiata	21	Florida thatch palm	-81.7486940569831	24.5741377354747
Thrinax	radiata	22	Florida thatch palm	-81.7487561911421	24.5741719366914
Thrinax	radiata	23	Florida thatch palm	-81.7487288724369	24.5741086442056
Thrinax	radiata	24	Florida thatch palm	-81.7487288724369	24.5741086442056
Thrinax	radiata	25	Florida thatch palm	-81.7486492671488	24.5740841862437
Thrinax	radiata	26	Florida thatch palm	-81.7486876798906	24.57407567506
Thrinax	radiata	27	Florida thatch palm	-81.7490505743159	24.574221030681
Thrinax	radiata	28	Florida thatch palm	-81.749015322691	24.5742236486075
Thrinax	radiata	29	Florida thatch palm	-81.748985038921	24.5742187661882
Thrinax	radiata	30	Florida thatch palm	-81.7490132542503	24.5742484483117
Thrinax	radiata	30	Florida thatch palm	-81.7489870174294	24.5743127345484
Thrinax	radiata	31	Florida thatch palm	-81.7490411350319	24.5742774550445
Thrinax	radiata	33	Florida thatch palm	-81.7491448241639	24.5742769532228
Thrinax	radiata	34	Florida thatch palm	-81.749222142476	24.5743432566387
Thrinax	radiata	35	Florida thatch palm	-81.749222142476	24.5743432566387
Thrinax	radiata	36	Florida thatch palm	-81.749222142476	24.5743432566387
Thrinax	radiata	37	Florida thatch palm	-81.7493208205857	24.574172792846
Thrinax	radiata	38	Florida thatch palm	-81.7493208205857	24.574172792846

Genus	Species	Qualifier #	Common Name	X	Y
Thrinax	radiata	39	Florida thatch palm	-81.7492677839683	24.5741512747678
Thrinax	radiata	40	Florida thatch palm	-81.7492677839683	24.5741512747678
Thrinax	radiata	41	Florida thatch palm	-81.7493979104701	24.5741240423974
Thrinax	radiata	42	Florida thatch palm	-81.749307938697	24.5740988667766
Thrinax	radiata	43	Florida thatch palm	-81.7492516375406	24.5741537847756
Thrinax	radiata	44	Florida thatch palm	-81.7492516375406	24.5741537847756
Thrinax	radiata	45	Florida thatch palm	-81.7491637485974	24.574207164934
Thrinax	radiata	46	Florida thatch palm	-81.7492469457776	24.5741996016357
Thrinax	radiata	47	Florida thatch palm	-81.7495324103748	24.5741306362266
Thrinax	radiata	48	Florida thatch palm	-81.7497576006109	24.5741247321774
Thrinax	radiata	49	Florida thatch palm	-81.7497341049236	24.5741033301118
Thrinax	radiata	50	Florida thatch palm	-81.7497341049236	24.5741033301118
Thrinax	radiata	51	Florida thatch palm	-81.7497616907275	24.5740723133943
Thrinax	radiata	52	Florida thatch palm	-81.7499727831915	24.5739784682413
Thrinax	radiata	53	Florida thatch palm	-81.7492716762341	24.5742932588305
Thrinax	radiata	54	Florida thatch palm	-81.7492716762341	24.5742932588305
Thrinax	radiata	55	Florida thatch palm	-81.7492716762341	24.5742932588305
Thrinax	radiata	56	Florida thatch palm	-81.7492716762341	24.5742932588305
Thrinax	radiata	57	Florida thatch palm	-81.749299002134	24.5742557885781
Thrinax	radiata	58	Florida thatch palm	-81.749299002134	24.5742557885781
Thrinax	radiata	59	Florida thatch palm	-81.7493210661006	24.5742672117665

Genus	Species	Qualifier #	Common Name	X	Y
Thrinax	radiata	60	Florida thatch palm	-81.7493118192715	24.5742361401904
Thrinax	radiata	61	Florida thatch palm	-81.7492828089415	24.5742052152038
Thrinax	radiata	62	Florida thatch palm	-81.749292425392	24.5740970195691
Thrinax	radiata	63	Florida thatch palm	-81.7492820499137	24.574078333456
Thrinax	radiata	64	Florida thatch palm	-81.749236541521	24.5740192938641
Thrinax	radiata	65	Florida thatch palm	-81.7492478855691	24.5740004917384
Thrinax	radiata	66	Florida thatch palm	-81.7493483479337	24.5740304229742
Thrinax	radiata	67	Florida thatch palm	-81.749341112888	24.5740460064263
Thrinax	radiata	68	Florida thatch palm	-81.7492547761745	24.57388298902
Thrinax	radiata	69	Florida thatch palm	-81.7493160901518	24.5739045466684
Thrinax	radiata	70	Florida thatch palm	-81.7493160901518	24.5739045466684
Thrinax	radiata	71	Florida thatch palm	-81.7493857471396	24.5739386354699
Thrinax	radiata	72	Florida thatch palm	-81.7494676178198	24.5739321459621
Thrinax	radiata	73	Florida thatch palm	-81.7497848617596	24.5740689966947
Thrinax	radiata	74	Florida thatch palm	-81.7498692451456	24.574068757475
Thrinax	radiata	75	Florida thatch palm	-81.7498958120177	24.5740350463888
Thrinax	radiata	76	Florida thatch palm	-81.7495859757935	24.5739168934605
Thrinax	radiata	77	Florida thatch palm	-81.7496540265921	24.5738931981237
Thrinax	radiata	78	Florida thatch palm	-81.7496511820365	24.5739057427667
Thrinax	radiata	79	Florida thatch palm	-81.7496631798917	24.5738967954118
Thrinax	radiata	80	Florida thatch palm	-81.74968628977	24.573918796426

Genus	Species	Qualifier #	Common Name	X	Y
Thrinax	radiata	81	Florida thatch palm	-81.74968628977	24.573918796426
Thrinax	radiata	82	Florida thatch palm	-81.7497149583576	24.57398296665
Thrinax	radiata	83	Florida thatch palm	-81.7497488349191	24.57399771733
Thrinax	radiata	84	Florida thatch palm	-81.7497670920556	24.573984854327
Thrinax	radiata	85	Florida thatch palm	-81.7499981009053	24.5739365553381
Thrinax	radiata	86	Florida thatch palm	-81.7500034428782	24.5738691943195
Thrinax	radiata	87	Florida thatch palm	-81.7499828978664	24.5738380022341
Thrinax	radiata	88	Florida thatch palm	-81.7499995425185	24.5738457130212
Thrinax	radiata	89	Florida thatch palm	-81.7499973337836	24.5737949480913
Thrinax	radiata	90	Florida thatch palm	-81.7499323361832	24.5738054701591
Thrinax	radiata	91	Florida thatch palm	-81.7499244877999	24.5737309352486
Thrinax	radiata	92	Florida thatch palm	-81.7499298045917	24.5737346341601
Thrinax	radiata	93	Florida thatch palm	-81.7499298045917	24.5737346341601
Thrinax	radiata	94	Florida thatch palm	-81.7499566547502	24.5736477272765
Thrinax	radiata	95	Florida thatch palm	-81.7493009923336	24.5739318590784
Thrinax	radiata	96	Florida thatch palm	-81.7493009923336	24.5739318590784
Thrinax	radiata	97	Florida thatch palm	-81.7498831936303	24.5736834762265
Thrinax	radiata	98	Florida thatch palm	-81.7497281091436	24.5737621498169
Thrinax	radiata	99	Florida thatch palm	-81.7496573927545	24.5737788016636
Thrinax	radiata	100	Florida thatch palm	-81.7496538008623	24.5738301133813
Thrinax	radiata	101	Florida thatch palm	-81.7496834011476	24.5738597496395

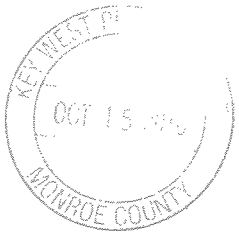
Genus	Species	Qualifier #	Common Name	X	Y
Thrinax	radiata	102	Florida thatch palm	-81.7496834011476	24.5738597496395
Thrinax	radiata	103	Florida thatch palm	-81.7496834011476	24.5738597496395
Thrinax	radiata	104	Florida thatch palm	-81.7497564935455	24.5738858785417
Thrinax	radiata	105	Florida thatch palm	-81.7497564935455	24.5738858785417
Thrinax	radiata	106	Florida thatch palm	-81.7497564935455	24.5738858785417
Thrinax	radiata	107	Florida thatch palm	-81.7497564935455	24.5738858785417
Thrinax	radiata	108	Florida thatch palm	-81.7498241702262	24.5738663812401
Thrinax	radiata	109	Florida thatch palm	-81.7498241702262	24.5738663812401

Condition #12

IBI GROUP

April 22, 2008

Amy Kimball-Murley, AICP
Planning Director
Key West Planning Department
PO Box 1409
Key West, Florida
33041-1409



Dear Mrs. Kimball-Murley:

Condition # 12: Invasive Exotic Plants Removal at the Key West Botanical Garden Addition

On March 19th and 20th the staff of the Key West Tropical Forest and Botanical Garden, along with volunteer assistance coordinated by The Nature Conservancy and supplied by students at Valdosta State University and Americorps, removed invasive exotic plant species in the property identified as Botanical Garden Addition. Exotics removed are ranked as class one invasives by the Florida Exotic Pest Plant Council (FLEPPC). Two major species were removed, lead tree (Leucaena leucocephala) and Brazilian pepper (Schinus terebinthifolius). Additional species removed included woman's tongue (Albizzia lebbeck), bowstring hemp (Sansevieria hyacinthoides), Washington fan palm seedlings (Washingtonia robusta), red sandlewood (Adenanthera pavonina) and Australian umbrella tree (Schefflera actinophylla). The methodology utilized involved manual removal and bagging of seedpods from the lead tree, before cutting and treating with either 40% Garlon 4 or 50% Garlon 3A. Other species were either removed including the roots, or for larger specimens were cut and treated using 20% Garlon. Left over debris was mulched and will be allowed to sit for several months until all seeds are sterilized. This treatment is in accordance with the methodology promoted by FLEPPC and the Florida Keys exotic invasive exotic plant task force. It is highly possible dormant seedlings are in the ground, or that very small seedlings may have been missed. Exotic removal is a continuing process that cannot be accomplished in one treatment. Removal will continue throughout our management of the property.

Approximate numbers of species removed:

Lead tree: 3000
Brazilian pepper: 100
Bowstring hemp: 100
Woman's tongue: 15
Washington fan palm: 2
Red sandlewood: 25
Australian umbrella tree: 2

Volunteer hours:

Approximately 200 volunteer hours were contributed. 200 x 15 per hour = $3000

Staff hours:

TNC paid staff: 12 paid hours

KWTFBG staff: 75 paid hours (Hodges, Amador and Zitts)

This letter was jointly drafted by Stephen Hodges and James Taylor.

Respectfully,

James C. Taylor

1519 Main Street, Sarasota, Florida 34236 USA (941) 954-1718 FAX (941) 954-0231
IBI Group, Inc. is a Division of IBI Group and incorporates the practice of **The RMPK Group**

Exotic Removal in the Addition Lot of the Key West Tropical Forest and Botanical Garden

Staff of KWTFBG along with volunteer assistance coordinated by The Nature Conservancy and supplied by students at Valdosta State University and Americorp removed invasive exotic species in the property recently leased by KWTFBG. Exotics removed are ranked as class one invasives by the Florida Exotic Pest Plant Council (FLEPPC). Two major species were removed, lead tree (*Leucaena leucocephala*) and Brazilian pepper (*Schinus terebinthifolius*). Additional species removed included woman's tongue *(Albizzia lebbeck*), bowstring hemp (*Sansevieria hyacinthoides*), Washington fan palm seedlings (*Washingtonia robusta*) and red sandlewood (*Adenanthera pavonina*) and Australian umbrella tree (*Schefflera actinophylla*). The methodology utilized involved manual removal and bagging of seedpods from the lead tree, before cutting and treating with either 40% Garlon 4 or 50% Garlon 3A. Other species were either removed including the roots, or for larger specimens were cut and treated using 20% Garlon. Left over debris was mulched and will be allowed to sit for several months until all seeds are sterilized. This treatment is in accordance with the methodology promoted by FLEPPC and the Florida Keys exotic invasive exotic plant task force. It is highly possible dormant seedlings are in the ground, or that very small seedlings may have been missed. Exotic removal is a continuing process that cannot be accomplished in one treatment. Removal will continue throughout our management of the property.

Approximate numbers of species removed:

Lead tree: 3000

Brazilian pepper: 100

Bowstring hemp: 100

Woman's tongue: 15

Washington fan palm: 2

Red sandlewood: 25

Australian umbrella tree: 2

Volunteer hours:

Approximately 200 volunteer hours were contributed. 200 x 15 per hour = $3000

Staff hours:

TNC paid staff: 12 paid hours

KWTFBG staff: 75 paid hours (Hodges, Amador and Zitts)

Condition #13

IBI GROUP

May 14, 2008

Cynthia Domenech-Coogle
Urban Forestry Program Manager
City of Key West
P.O. Box 1409
Key West, FL 33040

Dear Ms. Coogle:

Botanical Garden Addition: Transplantation Plan

On April 25th copies of the Transplantation Plan and Floristic Inventory for the Botanical Gardens Addition parcel were sent to you, Annalise Mannix, and Amy Kimball-Murley via US Express Mail. You should have received them by Monday, April 28th. In order for the seedlings/saplings to be saved they must be moved prior to commencement of construction and therefore this process must begin immediately.

Because we have not received a response regarding the Transplantation Plan in two weeks, we are proceeding under the assumption that it has been found acceptable by the City of Key West.

Regards,

James Taylor

CC: (via email) Annalise Mannix, Amy Kimball-Murley, Jim Scholl, Larry Erskine, Carolann Sharkey, Peter Rysman, Russell Moore

1519 Main Street, Sarasota, Florida 34236 USA (941) 954-1718 FAX (941) 954-0231
IBI Group, Inc. is a Division of IBI Group and incorporates the practice of The RMPK Group

Transplantation Plan
for the Key West Botanical Garden Addition

April 25, 2008

Submitted to:

Mrs. Cynthia Domenech-Coogle
Urban Forestry Program Manager

Mrs. Amy Kimball-Murley
Director of Planning

Mrs. Annalise Mannix, P.E.
Environmental Programs Manager
Office of the City Manager

KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY

Submitted by:

George Gann
Institute for Regional Conservation

Stephen Hodges, Resident Botanist
Key West Botanical Garden Society
5210 College Road
Key West, Florida 33040

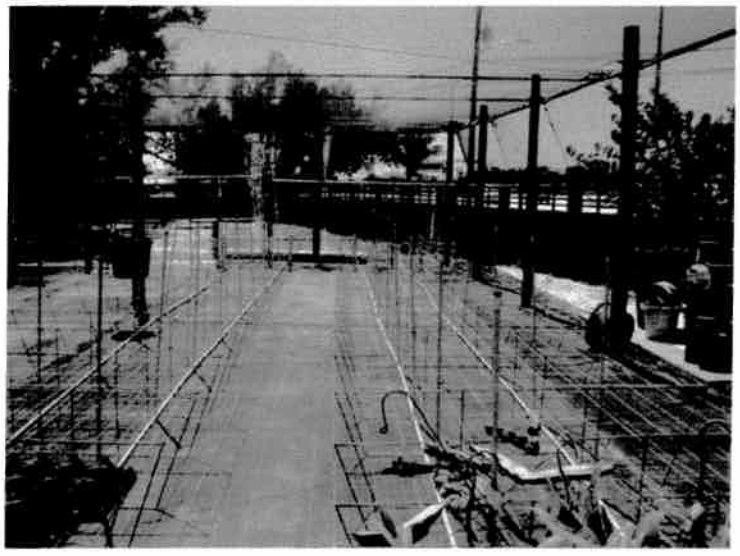
James Taylor
IBI Group
1519 Main Street
Sarasota, Florida 34236

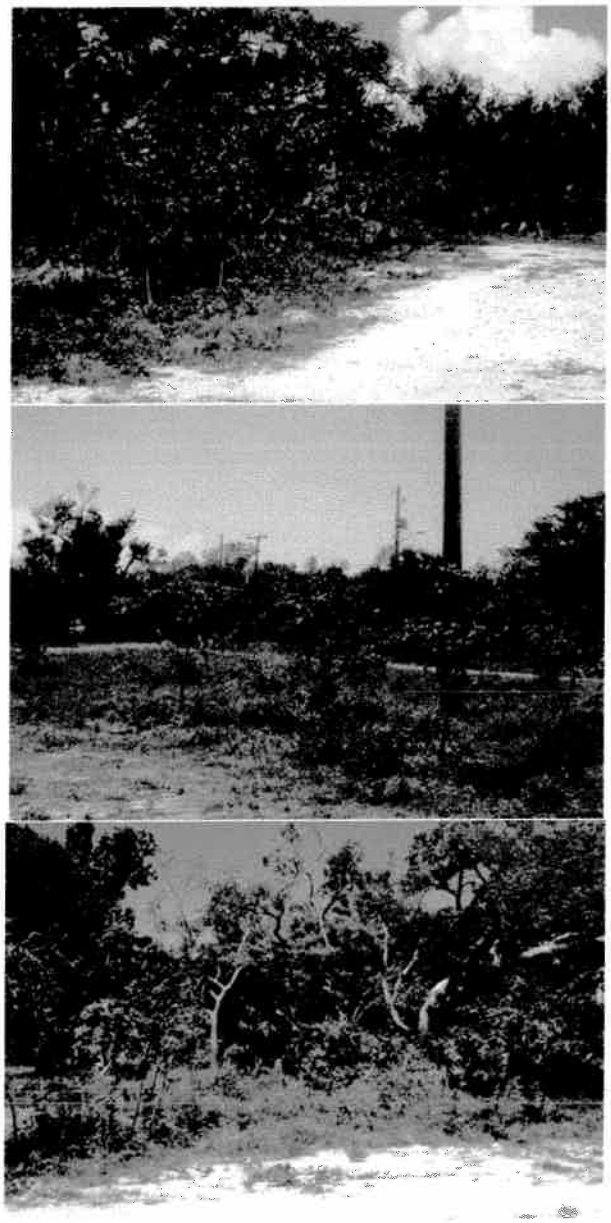
Transplantation Plan for Seedlings and Saplings

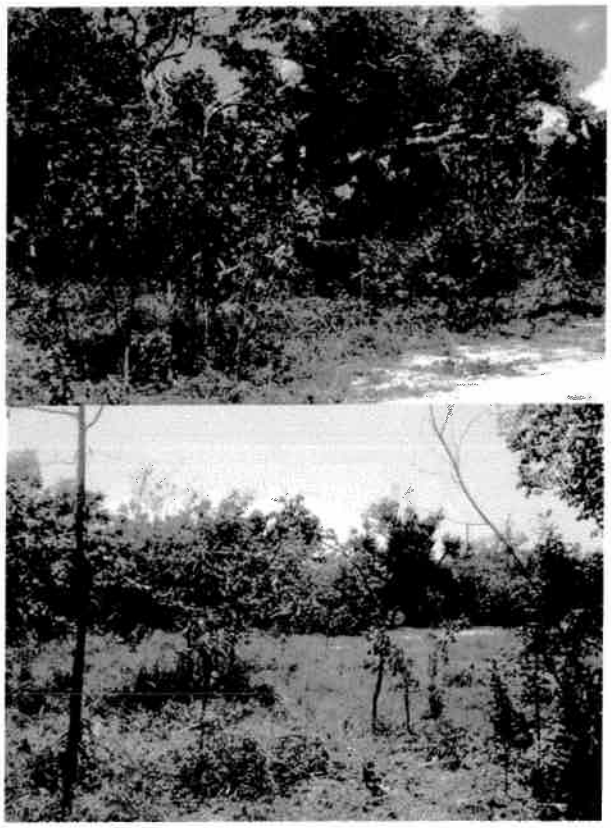
Some native tree saplings are within the construction footprint and are to be relocated. Saplings of medium and large trees (e.g. Jamaican-dogwood) 6 feet in height and over were flagged and measured and saplings of small trees (e.g. Cat's claw) 3 feet in height and over were flagged and measured. Saplings to be relocated will be watered well before transplanting. A backhoe and front-end loader will be used to excavate soil away from the root ball and to slide under and lift up the root ball of the trees. Roots will be cut back only so far as is necessary to extract the plant and place it in a suitable container with potting soil. At least 50% of the mature leaves will be clipped off of the plants to reduce transpiration loss. Once the plants have been established, the City will be informed as to their ultimate use.

Attached to this report is a table which lists the species to be transplanted. Nearly all are Jamaican dogwoods, one catclaw blackbead , and one gumbo-limbo. Our recommendation is that the transplants be relocated when construction is started. This will be at the beginning of the rainy season, when they should be in healthier condition. Additionally, the needed machinery will then be present at the Garden and will make relocation easier.

Dug plants will be potted and grown temporarily in a nursery facility on-site depicted in the photographs below:







These photographs taken April 4, 2008 show the various areas of seedling/sapling native trees which occur on the Botanical Gardens Addition parcel. Many are within the footprint of proposed construction and have been flagged with surveyor's tape. They are slated for transplanting to a storage nursery on-site until such time that they can be re-planted on the Gardens property in appropriate and permanent locations.

Condition #15

LIMITED SOIL AND GROUNDWATER QUALITY INVESTIGATION REPORT

AT

KEY WEST BOTANICAL GARDENS ADDITION
PHASE ONE POND
5100 COLLEGE ROAD
NORTH STOCK ISLAND, MONROE COUNTY, FL 33040

FOR

KEY WEST TROPICAL FOREST AND BOTANICAL GARDEN
5210 COLLEGE ROAD
KEY WEST, FL 33040

PREPARED BY

NUTTING ENVIRONMENTAL OF FLORIDA, INC.
1310 NEPTUNE DRIVE
BOYNTON BEACH, FL 33426

SEPTEMBER 2008

KEY WEST PLANNING DEPT.
OCT 15 2010
MONROE COUNTY

NUTTING ENVIRONMENTAL OF FLORIDA, INC.
Your Project is Our Commitment

Environmental Property Assessments
Contamination Assessments
Remediation
Monitoring Wells
IAQ / Mold Evaluation

NUTTING ENVIRONMENTAL
OF FLORIDA, INC.
Your Project Is Our Commitment

- Environmental Property Assessments
- Contamination Assessments
- Remediation
- Monitoring Wells
- IAQ / Mold Evaluation

KEY WEST PLANNING
OCT 15 2008
MONROE COUNTY

September 23, 2008

Key West Tropical Forest & Botanical Garden
5210 College Road
Key West, FL 33040
Attn: Mr. Peter Rysman

Re: Limited Soil and Groundwater Quality Investigation Report
Key West Botanical Garden Addition – Phase One Pond
5100 College Road
North Stock Island, FL 33040
NEF#: 6869.1

Dear Mr. Rysman:

NUTTING ENVIRONMENTAL OF FLORIDA, INC. (NEF) has prepared this Limited Soil and Groundwater Quality Investigation Report for the Key West Botanical Gardens located at 5100 College Road in North Stock Island in accordance with your request and authorization of July 29 and August 6, 2008.

NEF was contacted by Ms. Suzanne Thompson with IBI Group on July 20, 2008 after petroleum odors and a sheen on the surface water were noted during excavation activities of the southwest portion of the proposed Pond. Ms. Thompson informed NEF that impacted soils were placed on visqueen and that absorbent pads were used to extract the petroleum products from the surface water.

NEF mobilized to the subject property on July 21, 2008 to investigate the discovered petroleum contamination and met with Mr. Rey Martinez of Charley Toppino & Sons (the contractor) and Mr. Jerry A. Barnett of Monroe County Facilities Development.

Based on NEF's correspondence with Ms. Sue Thompson of the IBI Group, Mr. Rey Martinez of Charley Toppino & Sons (contractor) and Mr. Jerry Barnett of the Monroe County Department of Facilities Management, review of historical aerial photographs and documentation provided by Mr. Barnett it appears the area of the petroleum impacted soils was the location of a former concrete vault storage tank containing diesel fuel for fueling the incinerator at the former Hospital Building. In addition the presence of backfill material and virgin rock side walls and bottom of the excavation in the area of the release confirmed that excavation activities were previously performed within this area. During removal of the concrete vault storage tank in 2003 contaminated soil and groundwater were reportedly observed. Information provided to NEF by Mr. Barnett included a Change Order Notification which stated "during the removal of the old fuel tank at the public service building demolition site – we found that product had leaked into the environment". The change order stated a total of 17 tons of contaminated soils was excavated and disposed offsite and that free product was removed from the groundwater with a petrol pad roll. It should be noted that Mr. Barnett was unable to provide NEF with a copy of a Tank Closure Assessment report or soil and/or groundwater quality information after removal of the petroleum contaminated soils.

Additionally Charley Toppino & Sons personnel explored the bottom and side walls of the area of impacted soils and stated that the excavated area was obvious backfill material and not considered virgin rock as observed on the remainder of the site. The side walls and bottom of the excavation however were noted to be virgin rock. Given the above it appears that the source of the petroleum impacted soils/water would have been the former storage tank removed in 2003.

To further investigate the area of contamination, NEF was contracted to observed soil excavation activities and perform a limited soil, groundwater and surface water quality investigation on the property to develop additional information regarding the encountered petroleum contamination on the subject site.

SCOPE OF WORK

Observation of Soil Excavation Activities

On July 22, 2008, NEF personnel mobilized to the subject property to observe the excavation of soils on the south side of the proposed pond in the area of the reported petroleum contamination and the former storage tank by the client's contractor Charley Toppino & Sons.

Strong petroleum odors and a slight sheen was encountered on the water table during soil excavation activities. Petroleum impacted soils (saturated) encountered during soil excavation activities were excavated and stockpiled onsite on visqueen pending disposal. It is NEF's understanding the City of Key West has made arrangements for transport and disposal of the petroleum contaminated soils.

Soil Screening Activities and Results

On July 22, 2008 Organic Vapor Analyzer (OVA) readings were taken on discrete soil samples collected from the side walls and bottom of the excavation to determine whether soil that may warrant removal was present.

Groundwater was encountered at a depth of approximately one and a half feet below land surface (BLS). Strong petroleum odors and a slight sheen was encountered on the water table during soil excavation activities.

NEF performed field headspace testing using a Heath Tech Porta-FID II Flame Ionization Detector (FID). The FID, which was properly calibrated prior to use, was used to screen soil in the field to determine whether impacted soil was present in the sample recovered from the area of the UST system. A threshold concentration of 10 Parts Per Million (PPM) was employed to establish the presence of impacted soil.

Soil samples were collected and split into two separate clean 8-ounce mason jars, which were each half filled with soil. The mason jars were sealed with aluminum foil and brought (if necessary) to a temperature between 20°C. (68° F.) and 32° C. (90° F.). The headspace of the sample jars was then screened (filtered and unfiltered) for the presence of VOCs five to thirty minutes after the samples were collected.

An in-line condensable hydrocarbon filter was utilized for the filtered analysis of one of the soil samples. Methane, a low molecular weight hydrocarbon, is a common byproduct of the anaerobic metabolism of vegetative matter. The in-line condensable hydrocarbon filter was utilized to correct for the presence of this naturally occurring gas. Net FID readings, which are representative of the concentrations of larger branched hydrocarbons, were obtained by subtracting the filtered reading from the unfiltered reading.

Results of field headspace testing of soil samples obtained from the excavation did not indicate the significant presence of net VOCs in the soil samples recovered from the non-vadose zone (above the water table). However results of field headspace testing of soil samples obtained from the vadose zone (below the water table) indicated groundwater quality was impacted in the area of the former storage tank area.

The side walls and depth of the excavation were extended until no evidence of contamination (odors/staining) or OVA readings of less than 10 PPM were detected in the samples collected. The final excavation area measured approximately 60 feet by 22 feet to a depth of approximately 3-4 feet BLS.

Soil Sampling Methodology and Results

Upon completion of the excavation activities, based on the results of the OVA field screening of the soil samples collected, NEF collected soil samples from approximately 3 feet below land surface at the east, south and west side walls of the excavation (designated as SS-1D, SS-2D and SS-3I) for laboratory analysis for Volatile Organic Aromatics (VOA's) and Volatile Organic Halocarbons (VOH's) per EPA Method 8260, Polycyclic Aromatic Hydrocarbons (PAH's) per EPA Method 8270 and Total Recoverable Petroleum Hydrocarbons (TRPH) per the FL-PRO Method. No sample was collected from the north side of the excavation as this side was connected to the pond.

In addition a total of three soil samples were collected from the stockpiled soils for disposal characterization. A total of three four-point composite soil samples (designated as 4P-1, 4P-2 and 4P-3) for laboratory analysis for TRPH per the FL-PRO Method, 8 RCRA Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), Polychlorinated biphenyls (PCB's) per EPA Method 8082 and Total Organic Halides (TOX) per EPA Method 9023 and a total of three discrete soil samples (designated as SP-1 through SP-3) were collected for laboratory analysis for VOA's and VOH's per EPA Method 8260.

The soil samples were transported on ice to Jupiter Environmental Laboratories, Inc. for laboratory analysis. Chain of custody records were maintained to control the transfer of the soil samples. Chain of Custody Forms are attached.

Results of the laboratory analysis of soil samples were below the method detection limits for all parameters tested, with the exception of toluene and total recoverable petroleum hydrocarbons (TRPH). TRPH was detected at 983 mg/kg in soil sample SS-2D collected at the south wall of the excavation, which exceeds the Direct Exposure and Leachability Soil Cleanup Target Levels (SCTLs) for TRPH of 460 and 340 mg/kg respectively, as listed in Chapter 62-777, Florida Administrative Code (F.A.C.). The analytical data is tabulated and compared with the Direct Exposure and Leachability SCTLs below:

Although an exceedance is reported for TRPH in the soil sample SS-2D (south wall of excavation), it should be noted that SS-2D was collected below the soil/groundwater interface (from the saturated zone) and as such indicative of groundwater quality.

Summary of Soil Analytical Results

July 22, 2008

Results Stated in Parts Per Million (mg/kg) BDL = Below Detection Limits

Compound	"SS-1D" (East Side Wall)	"SS-2D" (South Side Wall)	"SS-3I" (West Side Wall)	Direct Exposure SCTL	Leachability SCTL
Benzene	BDL	BDL	BDL	1.2	0.007
Toluene	BDL	0.002	BDL	47,000	***
Ethylbenzene	BDL	BDL	BDL	1500	0.6
Total Xylenes	BDL	BDL	BDL	130	0.2
MTBE	BDL	BDL	BDL	4400	0.09
TRPH	6.99	983	6.74	460	340

SCTL: Soil Cleanup Target Levels established for chemical constituents in soil as defined in Chapter 62-777 Florida Administrative Code (Direct Exposure Residential Column I criteria and Leachability Column III criteria).

*** Leachability values may be derived using SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present

Surface Water Sampling Methodology and Results

Given the north side of the excavation was connected to the pond that was under construction on the subject property NEF collected a surface water sample on July 22, 2008. Surface water sampling was performed in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities (DEP-SOP-001/01).

The surface water samples were transported on ice to Jupiter Environmental Laboratories, Inc. for laboratory analysis for VOA's/VOH's per EPA Methods 8260, PAH's per EPA Method 8270 and TRPH using the FL-PRO Method. Chain of custody records were maintained to control the transfer of the soil samples. Chain of Custody Forms are attached.

Laboratory analytical results of the surface water sample were below the method detection limits and Groundwater and Surface Water Cleanup Target Levels as listed in Chapter 62-777, F.A.C., for all parameters tested with the exception of TRPH which was detected at 143 mg/L exceeding the Surface Water Cleanup Target Level of 5 mg/L for TRPH.

However given the presence of a slight sheen on the water in the vicinity of the area of excavation subsequent to the excavation of petroleum impacted soils, it appears that free floating product was introduced in the sample container utilized for the surface water sample collection, as such the laboratory analytical results did not appear to be representative for the actual surface water quality of the constructed pond.

To further investigate surface water quality, NEF mobilized to the subject property on August 31, 2008 to facilitate the collection of a surface water sample from the area of the observed petroleum impacted soils/groundwater. Surface water sampling was performed in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities (DEP-SOP-001/01).

The surface water samples were transported on ice to Jupiter Environmental Laboratories, Inc. for laboratory analysis for VOA's/VOH's per EPA Methods 8260, PAH's per EPA Method 8270, TRPH using the FL-PRO Method, EDB and lead. Chain of custody records were maintained to control the transfer of the soil samples. Chain of Custody Forms are attached.

Laboratory analytical results of the surface water sample were below the method detection limits for all parameters tested with the exception of TRPH and lead, which were detected at 0.169 mg/L and 0.00081 mg/L well below their respective Groundwater and Surface Water Cleanup Target Levels.

Monitoring Well Installation

On August 14 and August 15, 2008 NEF mobilized to the subject property for the installation of a total of three shallow water table monitoring wells designated as MW-1 through MW-3, as a part of the scope of work of this investigation. Please refer to Figure 1 for the monitoring well locations.

Monitoring wells MW-1 through MW-3 were installed to a total depth of twelve feet BLS using a B-57 mobile drill rig. The two inch diameter 10 foot long well screen (0.020 inch slot, ASTM Thread) was installed to bracket the water table (from approximately two to twelve feet). The remaining annulus was packed with 8/20 silica sand to a depth of one foot below land surface. The filter pack was topped with a Bentonite seal to prevent vertical migration of contaminants. The remaining annular space was grouted to the surface. Upon completion of the installation of the wells, the wells were developed until physical parameters stabilized and all traces of PVC shavings were removed.

Groundwater Sampling Methodology and Results

On August 27, 2008, NEF personnel purged and sampled monitoring wells MW-1 through MW-3 in general accordance with the Florida Department of Environmental Protection (DEP) Standard Operating Procedures (SOP) for Field Activities (DEP-SOP-001/01). Copies of DEP Groundwater Sampling Logs are attached to this report.

Groundwater samples collected from MW-1 through MW-3 were transported on ice to Jupiter Environmental Laboratories, Inc. for analysis for VOA's/VOH's by EPA Method 8260, PAH's by EPA Method 8270, TRPH using the FL-PRO Method, EDB and lead. Chain of custody records were maintained to control the transfer of the soil samples. Copies of the chain of custody records are attached.

Results of the laboratory analysis of the groundwater samples were below detection limits for all parameters tested, with the exception of the following parameters listed below. Copies of the laboratory reports and chain of custody forms are attached. The analytical data is tabulated and compared to the Groundwater Cleanup Target Levels (GCTLS) as listed in Chapter 62-777, FAC and Maximum Contaminant Level (MCL) as listed in Chapter 62-550, FAC below:

The analytical data is tabulated and compared with the applicable GCTLs below:

Summary of Groundwater Laboratory Analytical Results

August 8, 2008

Results Stated in Parts Per Billion (µg/L)

Compound	MW-1	MW-2	MW-3	GCTL
Benzene	BDL	1.48	BDL	1
Toluene	BDL	BDL	BDL	40
Ethylbenzene	BDL	BDL	BDL	30
Total Xylenes	BDL	BDL	BDL	20
MTBE	BDL	BDL	BDL	20
Naphthalene	2.55	[illegible]	1.51	14
1-Methyl Naphthalene	10.2	[illegible]	1.57	28
2-Methyl Naphthalene	1.70	[illegible]	2.21	28
Acenaphthene	0.960	0.925	0.075	20
Fluorene	2.15	2.64	0.075	280
Phenanthrene	0.445	2.76	0.050	210
TRPH	527	[illegible]	463	5000
Lead	BDL	BDL	0.28	15

GCTLs: Groundwater Cleanup Target Levels established for chemical constituents in groundwater as defined in Chapter 62-777 Florida Administrative Code (FAC) and Secondary Drinking Water Standards as defined by Chapter 62-520 FAC.

CONCLUSIONS AND RECOMMENDATIONS

NEF's investigation revealed that petroleum impacted soils and groundwater encountered during pond excavation activities were the result of a discharge that had occurred in the area of a concrete vault storage tank previously located on the subject property. The concrete vault storage tank reportedly contained diesel fuel used for fueling the incinerator at the hospital's crematorium. The storage tank was removed in 2003.

Petroleum impacted groundwater (and saturated soils) were encountered during pond excavation activities. A total of approximately 80 yards of impacted saturated soils were reportedly excavated and stockpiled on visqueen pending disposal. NEF recommended transport and disposal of the excavated soils, NEF was informed the City of Key West made arrangements for transport and disposal, however no disposal receipts have been provided to NEF as of the date of the writing of this report.

Subsequent to completion of the pond excavation activities NEF evaluated surface water quality (as the former storage tank area and area to the north have been included within the dimensions of a man made pond) and groundwater quality (to the east, south and west of the former storage tank area) to evaluate if petroleum impacted groundwater and/or surface water remains in the area of the former storage tank.

Results of the laboratory analysis of the surface water sample and the groundwater samples collected from MW-1 (east of the storage tank area) and MW-3 (west of the storage tank area) were below detection limits or below the Surface Water and Groundwater Cleanup Target Levels (GCTLs) as promulgated in Chapter 62-777, FAC and the Maximum Contaminant Levels (MCLs) as promulgated in Chapter 62-550, FAC. for all parameters tested.

Results of laboratory analysis of groundwater samples collected from MW-3 (south of the former storage tank area) indicated an exceedance of the GCTLs for naphthalene, 1-methylnaphthalene, 2-methylnaphthalene and TRPH. As such further assessment in the area of MW-3 appears to be warranted. Further assessment activities would at a minimum include the installation of a monitoring well to the south of MW-3 to further delineate the petroleum contaminant plume in groundwater.

Given the above, NEF recommends that the client confer with the property owner and qualified environmental legal counsel to discuss legal reporting requirements regarding the exceedances found in groundwater to the south of former storage tank. If after conferring with legal council, the client decides to notify the FDEP of a release at the subject property, FDEP may require that site assessment and remedial activities be implemented at the subject site. Site assessment activities may include soil and groundwater quality evaluation to facilitate the horizontal and vertical delineation of contamination in the area of the former storage tank.

Should you have any further questions or concerns, please do not hesitate to contact the undersigned at your convenience

RESPECTFULLY SUBMITTED,
NUTTING ENVIRONMENTAL OF FLORIDA, INC.

Jan Beernink
Vice-President

Richard G. Iossi, P.E.
President

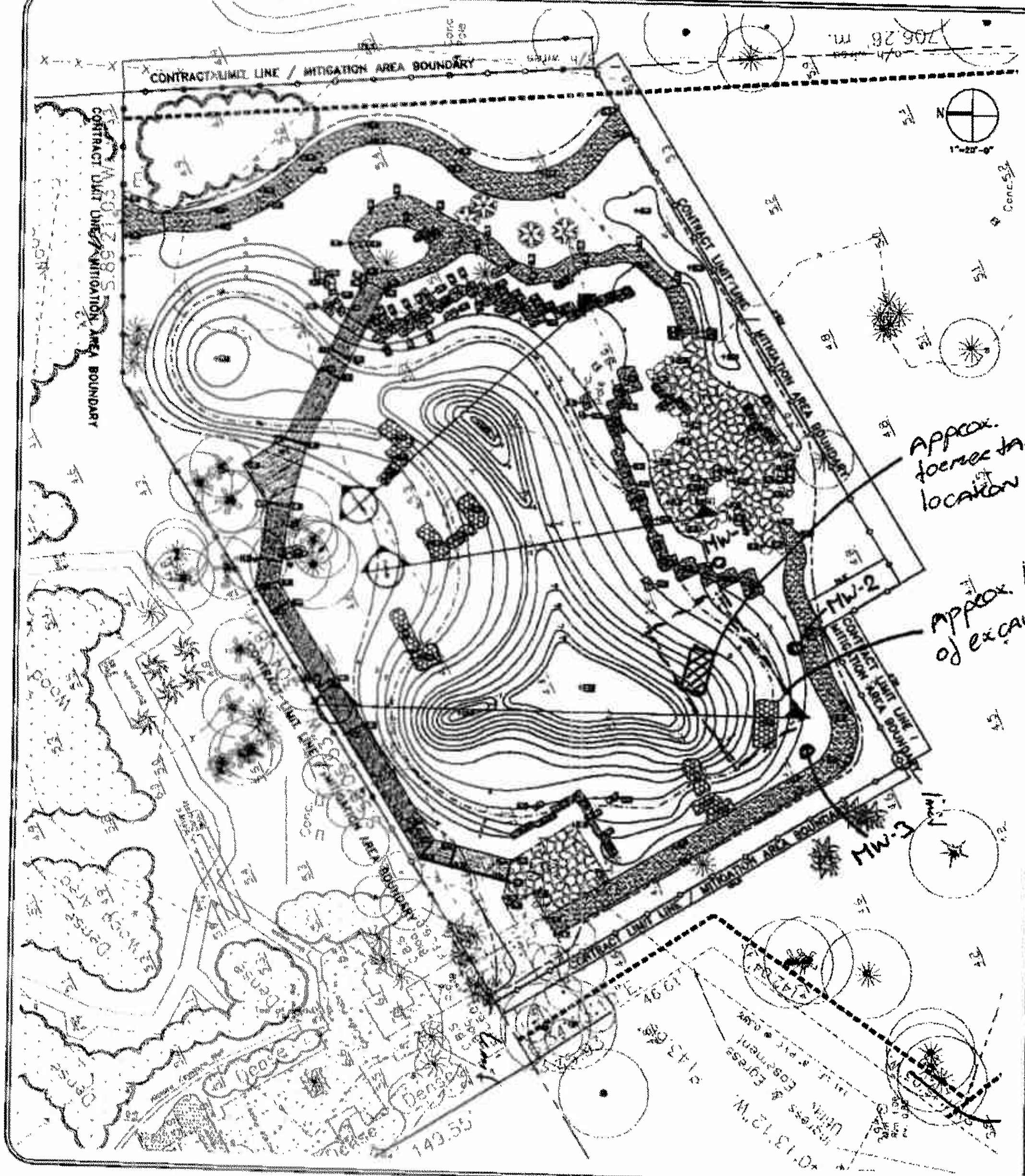
Attachments:

Appendix A - Figures
Appendix B - Laboratory Analytical Results and Chain of Custody Forms
Appendix C - FDEP Groundwater Sampling Logs
Appendix D – Storage Tank Information

Filename: Key West Botanical Gardens, Limited Soil and Groundwater Quality Investigation, September 2008.doc

NUTTING ENVIRONMENTAL OF FLORIDA, INC.
Your Project is Our Commitment

APPENDIX A – SITE FIGURES



LEGEND

Existing

- CONCRETE WALK
- CHAIN FENCE 'TO BE RELOCATED'
- CONCRETE POLE 'TO BE DEMOLISHED'
- 5.1 EXISTING ELEVATION SPOTS
- LIGHTS 'TO BE DEMOLISHED'
- LANDSCAPE TIMBERS 'TO BE RELOCATED'

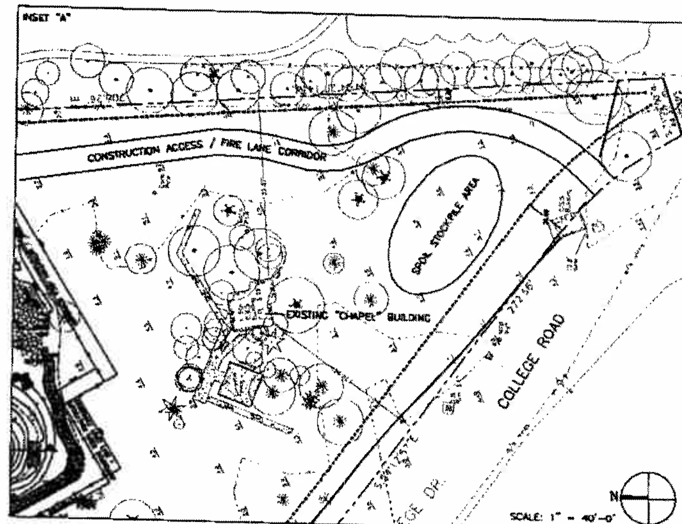
Proposed

- CRUSHED SHELL WALK
- FLAGSTONE TERRACE
- STEPPING STONE
- STONE WALL
- BOARDWALK
- CONTRACT LIMIT LINE/MITIGATION AREA BOUNDARY
- 5.1 PROPOSED ELEVATION SPOTS
- CONTOUR LINES
- AVERAGE WATER LEVEL
- GRADING LIMIT LINE

CALL 48 HOURS BEFORE YOU DIG
It's the Law
1-800-432-47

NOTES:

1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNERS REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
2. OOLITIC LIMESTONE BOULDERS ARE TO BE MINED FROM THE SITE FOR USE AS LANDSCAPE WALLS AND STEPPING STONES. SEE LAYOUT PLAN.
3. ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES.
4. ALL GRADING SHALL BE COMPLETED TO THE LEVEL OF FINISHING INDICATED BY THE SCOPE OF WORK LISTED IN THE BID SPECIFICATION.
5. GRADING SHOWN IS TO FINISH GRADE.
6. ALL ELEVATION ARE REFERRED TO "NGVD OF 1929" OR "MEAN SEA LEVEL."
7. "WL" ON PLANS IS "AVERAGE WATER LEVEL".
8. BURIED TERRAZZO COVERED CONCRETE (REMAINS OF THE COUNTY HOSPITAL) EXISTS IN THE N.E. QUADRANT OF THE POND AREA. THIS SHALL BE REMOVED FROM SITE AND LAWFULLY DISPOSED OF.

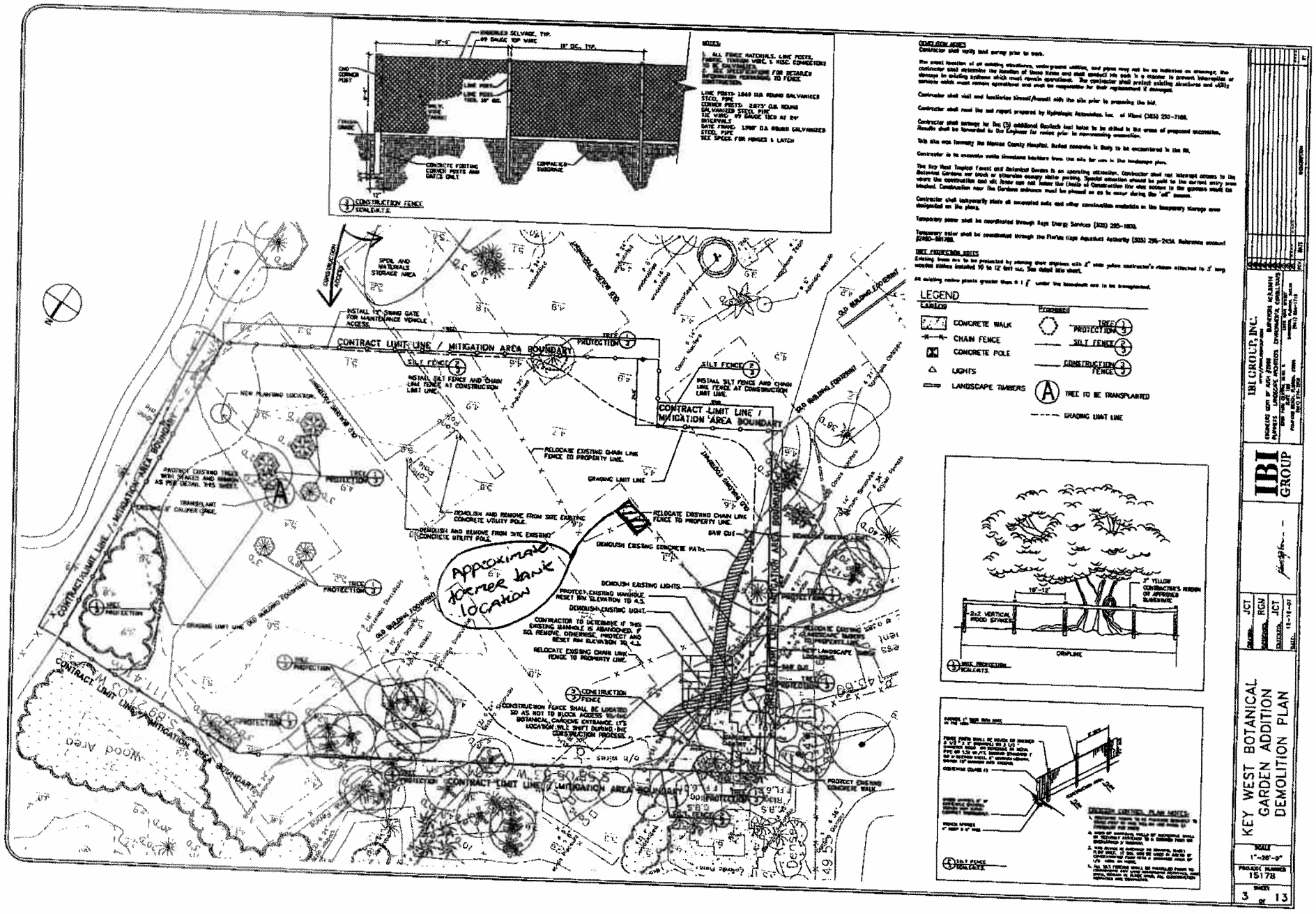


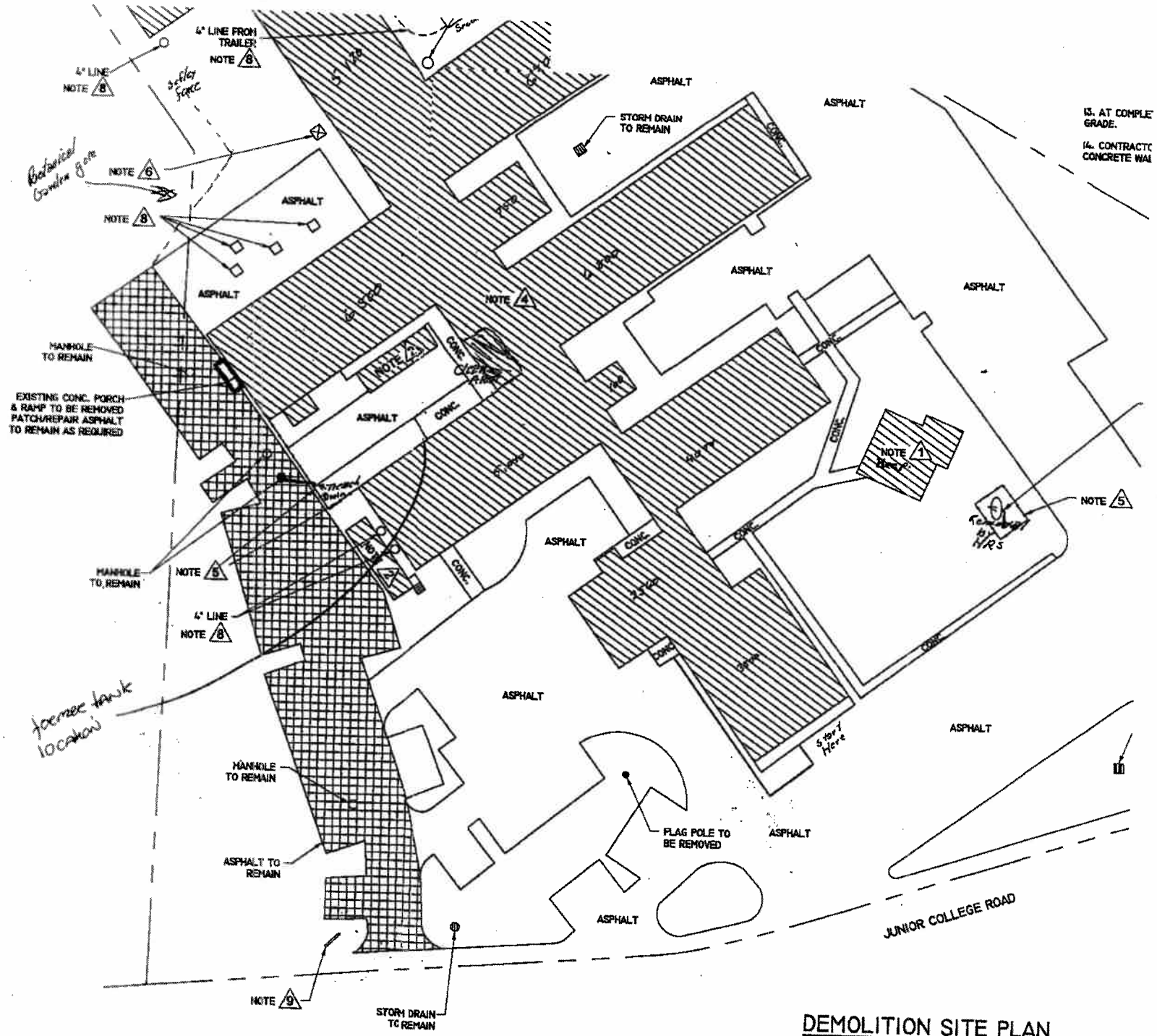
IBI GROUP, INC.

IBI GROUP

KEY WEST BOTANICAL GARDEN ADDITION GRADING PLAN

DRAWN	JCT
DESIGNED	RGN
CHECKED	JCT
DATE	1-15-08
SCALE	1"=20'-0"
PROJECT NUMBER	15178
SHEET	5 of 13


CONSTRUCTION FENCE
CONTRACT LIMIT LINE / MITIGATION AREA BOUNDARY
SILT FENCE
TREE PROTECTION
GRADING LIMIT LINE
Approximate former tank location
LEGEND
CONCRETE WALK
CHAIN FENCE
CONCRETE POLE
LIGHTS
LANDSCAPE TIMBERS
TREE TO BE TRANSPLANTED
GRADING LIMIT LINE
IBI GROUP
KEY WEST BOTANICAL GARDEN ADDITION
DEMOLITION PLAN
SCALE 1"=20'-0"
PROJECT NUMBER 15178
SHEET 3 OF 13



DEMOLITION SITE PLAN

SCALE: 1"=30'-0"

APPENDIX B - LAB ANALYTICAL RESULTS AND CHAIN OF CUSTODY FORMS

Jupiter
Environmental Laboratories, Inc.

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

August 5, 2008

Jan Beernik
Nutting Environmental
1310 Neptune Drive
Boynton Beach, FL 33426

RE: LOG# 820891
Project ID: IBI GROUP
COC# 31595

Dear Jan Beernik:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, July 24, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report.

The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted.

Samples are disposed of after 30 days of their receipt by the laboratory unless archiving is requested in writing. The laboratory maintains the right to charge storage fees for archived samples.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Footnotes section of this report for NELAC certification numbers of laboratories used.

A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ann McKewin for
Kacia Baldwin
kbaldwin@jupiterlabs.com

Enclosures

FDOH# E86546

CERTIFICATE OF ANALYSIS

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Jupiter
Environmental Laboratories, Inc.

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150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

LOG# 820891
Project ID: IBI GROUP

Lab ID	Sample ID	Method	Analytes Reported
820891001	MSP	EPA 8260B	44
820891001	MSP	EPA 8310 List by 8270C SIM	21
820891001	MSP	FL-PRO (GC)	3
820891002	SS-1D	EPA 8260B	44
820891002	SS-1D	EPA 8310 List by 8270C	21
820891002	SS-1D	FL-PRO (GC)	3
820891002	SS-1D	SM 2540G	1
820891003	SS-2D	EPA 8260B	44
820891003	SS-2D	EPA 8310 List by 8270C	21
820891003	SS-2D	FL-PRO (GC)	3
820891003	SS-2D	SM 2540G	1
820891004	SS-3I	EPA 8260B	44
820891004	SS-3I	EPA 8310 List by 8270C	21
820891004	SS-3I	FL-PRO (GC)	3
820891004	SS-3I	SM 2540G	1
820891005	SP-1	EPA 8260B	44
820891005	SP-1	SM 2540G	1
820891006	SP-2	EPA 8260B	44
820891006	SP-2	SM 2540G	1
820891007	SP-3	EPA 8260B	44
820891007	SP-3	SM 2540G	1
820891008	4P-1	EPA 6020	8
820891008	4P-1	EPA 8082	9
820891008	4P-1	EPA 9023	1
820891008	4P-1	FL-PRO (GC)	3
820891008	4P-1	SM 2540G	1
820891009	4P-2	EPA 6020	8
820891009	4P-2	EPA 8082	9
820891009	4P-2	EPA 9023	1
820891009	4P-2	FL-PRO (GC)	3
820891009	4P-2	SM 2540G	1
820891010	4P-3	EPA 6020	8
820891010	4P-3	EPA 8082	9
820891010	4P-3	EPA 9023	1

FDOH# E86546

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Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

LOG# 820891
Project ID: IBI GROUP

Lab ID	Sample ID	Method	Analytes Reported
820891010	4P-3	FL-PRO (GC)	3
820891010	4P-3	SM 2540G	1

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Fax: (561)575-4118

SAMPLE SUMMARY

LOG# 820891
Project ID: IBI GROUP

Lab ID	Sample ID	Matrix	Date Collected	Date Received
820891001	MSP	Aqueous Liquid	7/23/2008 00:00	7/24/2008 15:50
820891002	SS-1D	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891003	SS-2D	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891004	SS-3I	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891005	SP-1	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891006	SP-2	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891007	SP-3	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891008	4P-1	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891009	4P-2	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891010	4P-3	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50

FDOH# E86546
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Jupiter Environmental Laboratories, Inc.
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Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891001** Date Received: 7/24/2008 Matrix: Aqueous Liquid
Sample ID: **MSP** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W)			Preparation Method: EPA 5030B Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	ug/L	1.00	0.350	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891001** Date Received: 7/24/2008 Matrix: Aqueous Liquid
Sample ID: **MSP** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	96	%	70-130		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	100	%	70-130		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	94	%	70-130		1	07/25/08	SS	07/25/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W) — Preparation Method: EPA 3510C SIM — Analytical Method: EPA 8310 List by 8270C SIM

1-Methylnaphthalene	U	ug/L	0.600	0.300	10	07/25/08	BFM	07/29/08	FH	90-12-0
2-Methylnaphthalene	U	ug/L	0.440	0.220	10	07/25/08	BFM	07/29/08	FH	91-57-6
Acenaphthene	U	ug/L	0.344	0.172	10	07/25/08	BFM	07/29/08	FH	83-32-9
Acenaphthylene	U	ug/L	0.316	0.158	10	07/25/08	BFM	07/29/08	FH	208-96-8
Anthracene	U	ug/L	0.252	0.126	10	07/25/08	BFM	07/29/08	FH	120-12-7
Benzo(a)anthracene	U	ug/L	0.520	0.260	10	07/25/08	BFM	07/29/08	FH	56-55-3
Benzo(a)pyrene	U	ug/L	0.316	0.158	10	07/25/08	BFM	07/29/08	FH	50-32-8
Benzo(b)fluoranthene	U	ug/L	0.252	0.126	10	07/25/08	BFM	07/29/08	FH	205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.376	0.188	10	07/25/08	BFM	07/29/08	FH	191-24-2
Benzo(k)fluoranthene	U	ug/L	0.400	0.200	10	07/25/08	BFM	07/29/08	FH	207-08-9
Chrysene	U	ug/L	0.560	0.280	10	07/25/08	BFM	07/29/08	FH	218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.200	0.100	10	07/25/08	BFM	07/29/08	FH	53-70-3
Fluoranthene	U	ug/L	0.400	0.200	10	07/25/08	BFM	07/29/08	FH	206-44-0
Fluorene	U	ug/L	0.440	0.220	10	07/25/08	BFM	07/29/08	FH	86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.480	0.240	10	07/25/08	BFM	07/29/08	FH	193-39-5
Naphthalene	U	ug/L	0.400	0.200	10	07/25/08	BFM	07/29/08	FH	91-20-3
Phenanthrene	U	ug/L	0.400	0.200	10	07/25/08	BFM	07/29/08	FH	85-01-8
Pyrene	U	ug/L	0.560	0.280	10	07/25/08	BFM	07/29/08	FH	129-00-0
Nitrobenzene-d5 (S)	49	%	30-110		10	07/25/08	BFM	07/29/08	FH	4165-60-0
2-Fluorobiphenyl (S)	52	%	30-110		10	07/25/08	BFM	07/29/08	FH	321-60-8
p-Terphenyl-d14 (S)	75	%	30-140		10	07/25/08	BFM	07/29/08	FH	1718-51-0

Semivolatiles by GC

Analysis Desc: Florida PRO by GC (W) — Preparation Method: EPA 3510C — Analytical Method: FL-PRO (GC)

Florida Pro Total	143000	ug/L	1600	900	20	07/25/08	BFM	07/29/08	FH	L	
o-Terphenyl (S)	98	%	50-150		20	07/25/08	BFM	07/29/08	FH		84-15-1
n-Triacontane-d62 (S)	75	%	50-150		20	07/25/08	BFM	07/29/08	FH		93952-07-9

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891002**
Sample ID: **SS-1D**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	U	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891002** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SS-1D** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	108	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	102	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	112	%	60-135		1	07/25/08	SS	07/25/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8310 PAH List by 8270C (S) — Preparation Method: EPA 3545 — Analytical Method: EPA 8310 List by 8270C

1-Methylnaphthalene	U	mg/Kg	0.128	0.026	1	07/25/08	BFM	07/26/08	FH	90-12-0
2-Methylnaphthalene	U	mg/Kg	0.128	0.031	1	07/25/08	BFM	07/26/08	FH	91-57-6
Acenaphthene	U	mg/Kg	0.128	0.022	1	07/25/08	BFM	07/26/08	FH	83-32-9
Acenaphthylene	U	mg/Kg	0.128	0.024	1	07/25/08	BFM	07/26/08	FH	208-96-8
Anthracene	U	mg/Kg	0.128	0.033	1	07/25/08	BFM	07/26/08	FH	120-12-7
Benzo(a)anthracene	U	mg/Kg	0.128	0.041	1	07/25/08	BFM	07/26/08	FH	56-55-3
Benzo(a)pyrene	U	mg/Kg	0.128	0.042	1	07/25/08	BFM	07/26/08	FH	50-32-8
Benzo(b)fluoranthene	U	mg/Kg	0.128	0.038	1	07/25/08	BFM	07/26/08	FH	205-99-2
Benzo(g,h,i)perylene	U	mg/Kg	0.256	0.046	1	07/25/08	BFM	07/26/08	FH	191-24-2
Benzo(k)fluoranthene	U	mg/Kg	0.128	0.047	1	07/25/08	BFM	07/26/08	FH	207-08-9
Chrysene	U	mg/Kg	0.128	0.024	1	07/25/08	BFM	07/26/08	FH	218-01-9
Dibenzo(a,h)anthracene	U	mg/Kg	0.128	0.053	1	07/25/08	BFM	07/26/08	FH	53-70-3
Fluoranthene	U	mg/Kg	0.128	0.027	1	07/25/08	BFM	07/26/08	FH	206-44-0
Fluorene	U	mg/Kg	0.128	0.034	1	07/25/08	BFM	07/26/08	FH	86-73-7
Indeno(1,2,3-cd)pyrene	U	mg/Kg	0.128	0.044	1	07/25/08	BFM	07/26/08	FH	193-39-5
Naphthalene	U	mg/Kg	0.128	0.026	1	07/25/08	BFM	07/26/08	FH	91-20-3
Phenanthrene	U	mg/Kg	0.128	0.025	1	07/25/08	BFM	07/26/08	FH	85-01-8
Pyrene	U	mg/Kg	0.128	0.028	1	07/25/08	BFM	07/26/08	FH	129-00-0
Nitrobenzene-d5 (S)	45	%	20-120		1	07/25/08	BFM	07/26/08	FH	4165-60-0
2-Fluorobiphenyl (S)	54	%	30-115		1	07/25/08	BFM	07/26/08	FH	321-60-8
p-Terphenyl-d14 (S)	78	%	15-140		1	07/25/08	BFM	07/26/08	FH	1718-51-0

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) — Analytical Method: SM 2540G

Percent Solids (Dryweight)	77.8	%	0.1	1		07/25/08	BFM

Semivolatiles by GC

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891002**
Sample ID: **SS-1D**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545								
			Analytical Method: FL-PRO (GC)								
Florida Pro Total	6.99	mg/Kg	5.77	2.88	1	07/25/08	BFM	07/25/08	FH		
o-Terphenyl (S)	70	%	50-150		1	07/25/08	BFM	07/25/08	FH		84-15-1
n-Triacontane-d62 (S)	84	%	50-150		1	07/25/08	BFM	07/25/08	FH		93952-07-9

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891003**
Sample ID: **SS-2D**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002i	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891003** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SS-2D** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	77	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	103	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	258	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8310 PAH List by 8270C (S) — Preparation Method: EPA 3545; Analytical Method: EPA 8310 List by 8270C

1-Methylnaphthalene	U	mg/Kg	0.606	0.123	5	07/25/08	BFM	07/29/08	FH	90-12-0
2-Methylnaphthalene	U	mg/Kg	0.606	0.147	5	07/25/08	BFM	07/29/08	FH	91-57-6
Acenaphthene	U	mg/Kg	0.606	0.105	5	07/25/08	BFM	07/29/08	FH	83-32-9
Acenaphthylene	U	mg/Kg	0.606	0.115	5	07/25/08	BFM	07/29/08	FH	208-96-8
Anthracene	U	mg/Kg	0.606	0.158	5	07/25/08	BFM	07/29/08	FH	120-12-7
Benzo(a)anthracene	U	mg/Kg	0.606	0.192	5	07/25/08	BFM	07/29/08	FH	56-55-3
Benzo(a)pyrene	U	mg/Kg	0.606	0.198	5	07/25/08	BFM	07/29/08	FH	50-32-8
Benzo(b)fluoranthene	U	mg/Kg	0.606	0.179	5	07/25/08	BFM	07/29/08	FH	205-99-2
Benzo(g,h,i)perylene	U	mg/Kg	1.21	0.217	5	07/25/08	BFM	07/29/08	FH	191-24-2
Benzo(k)fluoranthene	U	mg/Kg	0.606	0.223	5	07/25/08	BFM	07/29/08	FH	207-08-9
Chrysene	U	mg/Kg	0.606	0.112	5	07/25/08	BFM	07/29/08	FH	218-01-9
Dibenzo(a,h)anthracene	U	mg/Kg	0.606	0.252	5	07/25/08	BFM	07/29/08	FH	53-70-3
Fluoranthene	U	mg/Kg	0.606	0.128	5	07/25/08	BFM	07/29/08	FH	206-44-0
Fluorene	U	mg/Kg	0.606	0.160	5	07/25/08	BFM	07/29/08	FH	86-73-7
Indeno(1,2,3-cd)pyrene	U	mg/Kg	0.606	0.208	5	07/25/08	BFM	07/29/08	FH	193-39-5
Naphthalene	U	mg/Kg	0.606	0.124	5	07/25/08	BFM	07/29/08	FH	91-20-3
Phenanthrene	U	mg/Kg	0.606	0.120	5	07/25/08	BFM	07/29/08	FH	85-01-8
Pyrene	U	mg/Kg	0.606	0.132	5	07/25/08	BFM	07/29/08	FH	129-00-0
Nitrobenzene-d5 (S)	43	%	20-120		5	07/25/08	BFM	07/29/08	FH	4165-60-0
2-Fluorobiphenyl (S)	43	%	30-115		5	07/25/08	BFM	07/29/08	FH	321-60-8
p-Terphenyl-d14 (S)	69	%	15-140		5	07/25/08	BFM	07/29/08	FH	1718-51-0

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) — Analytical Method: SM 2540G

Percent Solids (Dryweight)	82.3 %	0.1	1		07/25/08	BFM

Semivolatiles by GC

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891003**
Sample ID: **SS-2D**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545								
			Analytical Method: FL-PRO (GC)								
Florida Pro Total	983	mg/Kg	27.3	13.6	5	07/25/08	BFM	07/29/08	FH		
o-Terphenyl (S)	63	%	50-150		5	07/25/08	BFM	07/29/08	FH		84-15-1
n-Triacontane-d62 (S)	93	%	50-150		5	07/25/08	BFM	07/29/08	FH		93952-07-9

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: 820891004
Sample ID: SS-3I
Date Received: 7/24/2008
Date Collected: 7/23/2008
Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	U	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891004**
Sample ID: **SS-3I**
Date Received: 7/24/2008
Date Collected: 7/23/2008
Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	91	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	93	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	117	%	60-135		1	07/25/08	SS	07/25/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8310 PAH List by 8270C (S) — Preparation Method: EPA 3545 — Analytical Method: EPA 8310 List by 8270C

1-Methylnaphthalene	U	mg/Kg	0.126	0.026	1	07/25/08	BFM	07/26/08	FH	90-12-0
2-Methylnaphthalene	U	mg/Kg	0.126	0.030	1	07/25/08	BFM	07/26/08	FH	91-57-6
Acenaphthene	U	mg/Kg	0.126	0.022	1	07/25/08	BFM	07/26/08	FH	83-32-9
Acenaphthylene	U	mg/Kg	0.126	0.024	1	07/25/08	BFM	07/26/08	FH	208-96-8
Anthracene	U	mg/Kg	0.126	0.033	1	07/25/08	BFM	07/26/08	FH	120-12-7
Benzo(a)anthracene	U	mg/Kg	0.126	0.040	1	07/25/08	BFM	07/26/08	FH	56-55-3
Benzo(a)pyrene	U	mg/Kg	0.126	0.041	1	07/25/08	BFM	07/26/08	FH	50-32-8
Benzo(b)fluoranthene	U	mg/Kg	0.126	0.037	1	07/25/08	BFM	07/26/08	FH	205-99-2
Benzo(g,h,i)perylene	U	mg/Kg	0.252	0.045	1	07/25/08	BFM	07/26/08	FH	191-24-2
Benzo(k)fluoranthene	U	mg/Kg	0.126	0.046	1	07/25/08	BFM	07/26/08	FH	207-08-9
Chrysene	U	mg/Kg	0.126	0.023	1	07/25/08	BFM	07/26/08	FH	218-01-9
Dibenzo(a,h)anthracene	U	mg/Kg	0.126	0.052	1	07/25/08	BFM	07/26/08	FH	53-70-3
Fluoranthene	U	mg/Kg	0.126	0.027	1	07/25/08	BFM	07/26/08	FH	206-44-0
Fluorene	U	mg/Kg	0.126	0.033	1	07/25/08	BFM	07/26/08	FH	86-73-7
Indeno(1,2,3-cd)pyrene	U	mg/Kg	0.126	0.043	1	07/25/08	BFM	07/26/08	FH	193-39-5
Naphthalene	U	mg/Kg	0.126	0.026	1	07/25/08	BFM	07/26/08	FH	91-20-3
Phenanthrene	U	mg/Kg	0.126	0.025	1	07/25/08	BFM	07/26/08	FH	85-01-8
Pyrene	U	mg/Kg	0.126	0.027	1	07/25/08	BFM	07/26/08	FH	129-00-0
Nitrobenzene-d5 (S)	64	%	20-120		1	07/25/08	BFM	07/26/08	FH	4165-60-0
2-Fluorobiphenyl (S)	76	%	30-115		1	07/25/08	BFM	07/26/08	FH	321-60-8
p-Terphenyl-d14 (S)	100	%	15-140		1	07/25/08	BFM	07/26/08	FH	1718-51-0

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) — Analytical Method: SM 2540G

Percent Solids (Dryweight)	79.7	%	0.1		1	07/25/08	BFM

Semivolatiles by GC

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891004**
Sample ID: **SS-3I**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545								
			Analytical Method: FL-PRO (GC)								
Florida Pro Total	6.74	mg/Kg	5.66	2.83	1	07/25/08	BFM	07/29/08	FH		
o-Terphenyl (S)	120	%	50-150		1	07/25/08	BFM	07/29/08	FH		84-15-1
n-Triacontane-d62 (S)	121	%	50-150		1	07/25/08	BFM	07/29/08	FH		93952-07-9

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891005**
Sample ID: **SP-1**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891005**
Sample ID: **SP-1**

Date Received: 7/24/2008 Matrix: Soil/Solid
Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	80	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	102	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	176	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	79.4	%	0.1		1			07/25/08	BFM		

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891006**
Sample ID: **SP-2**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	0.00082I	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002I	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891006**
Sample ID: **SP-2**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	103	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	113	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	156	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight) Analytical Method: SM 2540G

Percent Solids (Dryweight)	80.5	%	0.1		1			07/25/08	BFM		

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891007** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-3** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002i	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891007**
Sample ID: **SP-3**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	87	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	109	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	191	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	82.5	%	0.1		1			07/25/08	BFM		

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891008**
Sample ID: **4P-1**
Date Received: 7/24/2008
Date Collected: 7/23/2008
Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: TOX by EPA 9023 [REF] (S)			Analytical Method: EPA 9023								
Total Organic Halides (TOX)	U	mg/Kg	29		1			08/04/08	ESC		
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	88.2	%	0.1		1			07/25/08	BFM		
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)								
Florida Pro Total	460	mg/Kg	7.83	3.91	1	07/31/08	BFM	07/31/08	FH		
o-Terphenyl (S)	70	%	50-150		1	07/31/08	BFM	07/31/08	FH		84-15-1
n-Triacontane-d62 (S)	78	%	50-150		1	07/31/08	BFM	07/31/08	FH		93952-07-9
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)			Preparation Method: EPA 3050B Analytical Method: EPA 6020								
Chromium	6.5	mg/Kg	0.21	0.10	1	07/25/08	ZS	07/25/08	ZS		7440-47-3
Arsenic	1.5	mg/Kg	0.16	0.078	1	07/25/08	ZS	07/25/08	ZS		7440-38-2
Selenium	U	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7782-49-2
Silver	U	mg/Kg	0.20	0.10	1	07/25/08	ZS	07/25/08	ZS		7440-22-4
Cadmium	U	mg/Kg	0.32	0.16	1	07/25/08	ZS	07/25/08	ZS		7440-43-9
Barium	55	mg/Kg	0.32	0.16	1	07/25/08	ZS	07/25/08	ZS		7440-39-3
Mercury	U	mg/Kg	0.32	0.16	1	07/25/08	ZS	07/25/08	ZS		7439-97-6
Lead	7.3	mg/Kg	0.14	0.071	1	07/25/08	ZS	07/25/08	ZS		7439-92-1
Analysis Desc: EPA 8082 PCBs (S)			Preparation Method: EPA 3545 Analytical Method: EPA 8082								
Tetrachloro-m-xylene (S)	51.3	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	877-09-8
Decachlorobiphenyl (S)	42.6	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	2051-24-3
Aroclor 1016	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		12674-11-2
Aroclor 1221	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11104-28-2
Aroclor 1232	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11141-16-5
Aroclor 1242	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		53469-21-9
Aroclor 1248	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		12672-29-6
Aroclor 1254	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11097-69-1
Aroclor 1260	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11096-82-5

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891009**
Sample ID: **4P-2**

Date Received: 7/24/2008
Date Collected: 7/23/2008

Matrix: Soil/Solid

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: TOX by EPA 9023 [REF] (S)			Analytical Method: EPA 9023								
Total Organic Halides (TOX)	U	mg/Kg	38		1			08/04/08	ESC	J,P1	
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	78.2	%	0.1		1			07/25/08	BFM		
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)								
Florida Pro Total	667	mg/Kg	28.8	14.4	5	07/31/08	BFM	08/01/08	FH		
o-Terphenyl (S)	64	%	50-150		5	07/31/08	BFM	08/01/08	FH		84-15-1
n-Triacontane-d62 (S)	86	%	50-150		5	07/31/08	BFM	08/01/08	FH		93952-07-9
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)			Preparation Method: EPA 3050B Analytical Method: EPA 6020								
Chromium	3.2	mg/Kg	0.24	0.12	1	07/25/08	ZS	07/25/08	ZS		7440-47-3
Arsenic	0.75	mg/Kg	0.18	0.088	1	07/25/08	ZS	07/25/08	ZS		7440-38-2
Selenium	U	mg/Kg	0.41	0.20	1	07/25/08	ZS	07/25/08	ZS		7782-49-2
Silver	U	mg/Kg	0.23	0.11	1	07/25/08	ZS	07/25/08	ZS		7440-22-4
Cadmium	U	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7440-43-9
Barium	13	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7440-39-3
Mercury	U	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7439-97-6
Lead	4.0	mg/Kg	0.16	0.081	1	07/25/08	ZS	07/25/08	ZS		7439-92-1
Analysis Desc: EPA 8082 PCBs (S)			Preparation Method: EPA 3545 Analytical Method: EPA 8082								
Tetrachloro-m-xylene (S)	44.9	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	877-09-8
Decachlorobiphenyl (S)	34.6	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	2051-24-3
Aroclor 1016	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		12674-11-2
Aroclor 1221	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11104-28-2
Aroclor 1232	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11141-16-5
Aroclor 1242	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		53469-21-9
Aroclor 1248	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		12672-29-6
Aroclor 1254	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11097-69-1
Aroclor 1260	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11096-82-5

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891010** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **4P-3** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: TOX by EPA 9023 [REF] (S)			Analytical Method: EPA 9023								
Total Organic Halides (TOX)	U	mg/Kg	40		1			08/04/08	ESC	J	
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	83.2	%	0.1		1			07/25/08	BFM		
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)								
Florida Pro Total	881	mg/Kg	27.1	13.6	5	07/31/08	BFM	08/01/08	FH		
o-Terphenyl (S)	59	%	50-150		5	07/31/08	BFM	08/01/08	FH		84-15-1
n-Triacontane-d62 (S)	72	%	50-150		5	07/31/08	BFM	08/01/08	FH		93952-07-9
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)			Preparation Method: EPA 3050B Analytical Method: EPA 6020								
Chromium	9.9	mg/Kg	0.22	0.11	1	07/25/08	ZS	07/25/08	ZS		7440-47-3
Arsenic	0.98	mg/Kg	0.17	0.083	1	07/25/08	ZS	07/25/08	ZS		7440-38-2
Selenium	U	mg/Kg	0.38	0.19	1	07/25/08	ZS	07/25/08	ZS		7782-49-2
Silver	U	mg/Kg	0.21	0.11	1	07/25/08	ZS	07/25/08	ZS		7440-22-4
Cadmium	U	mg/Kg	0.34	0.17	1	07/25/08	ZS	07/25/08	ZS		7440-43-9
Barium	16	mg/Kg	0.34	0.17	1	07/25/08	ZS	07/25/08	ZS		7440-39-3
Mercury	U	mg/Kg	0.34	0.17	1	07/25/08	ZS	07/25/08	ZS		7439-97-6
Lead	19	mg/Kg	0.15	0.076	1	07/25/08	ZS	07/25/08	ZS	J4	7439-92-1
Analysis Desc: EPA 8082 PCBs (S)			Preparation Method: EPA 3545 Analytical Method: EPA 8082								
Tetrachloro-m-xylene (S)	43.6	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	877-09-8
Decachlorobiphenyl (S)	53	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	2051-24-3
Aroclor 1016	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		12674-11-2
Aroclor 1221	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11104-28-2
Aroclor 1232	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11141-16-5
Aroclor 1242	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		53469-21-9
Aroclor 1248	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		12672-29-6
Aroclor 1254	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11097-69-1
Aroclor 1260	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11096-82-5

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ANALYTICAL RESULTS QUALIFIERS

LOG# 820891
Project ID: IBI GROUP

PARAMETER QUALIFIERS

J	Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits were exceeded due to matrix interference.
J4	MS/MSD recovery exceeded control limits due to matrix interference. LCS/LCSD recovery was within acceptable range.
L	Off-scale high. Reported value is above the calibration range.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

PROJECT COMMENTS

820891	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit. Report Limit = PQL

SAMPLE COMMENTS

820891003	Large backend
820891005	Large backend
820891006	Large backend
820891007	Large backend

SUBCONTRACTOR NELAC CERTIFICATION

820891	ESC = E87487

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Chain of Custody Record

Jupiter Environmental Laboratories

BAR CODE

LAB USE ONLY

J.E.L. Log # 820891
P.O. #
Quote#

Company Name: Nutting Envir
Address: ~~13Nep~~ 1310 Neptune Dr
City: B. B State: Fl. Zip: 33426
Sampling Site Address: 5100 College Rd, Keywest
Attn: Jan Beernink Fax/Email
Project Name: IBI GROUP Project #
Sampler Name/Signature: Jorge Ruiz

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	VOA/VOH	PAH's	TRPH	~~VOA/VOH~~	PCB's	8 ~~Bas~~ RCRA	Tox					Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	MSP	7-23-08		GW	4	X	X	X											
2	SS-1D			S	3	X	X	X											
3	SS-2D					X	X	X											
4	SS-3I					X	X	X											
5	SP-1					X													
6	SP-2					X													
7	SP-3					X													
8	4P-1									X	X	X							
9	4P-2									X	X	X							
10	4P-3									X	X	X							

Matrix Codes*

S Soil/Solid Sediment; GW Ground Water; WW Waste Water; DW Drinking Water; SW Surface Water; SL Sludge; O Other (Please Specify)

Pres Codes**

A- none; B- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH

Relinquished by	Date	Time	Received by	Date	Time
Jorge Ruiz	7-24-08	14:20	[signature]	7-24	14:20
[signature]	7/24	15:50	Diane Shoemaker	7/24/08	1550

QA/QC level with report
None ✓ 1 __ 2 __ 3 __ See price guide for applicable fees

T.A.T. Request: ✓ Standard; __ Rush
FDEP __ SFWMD __ Date Required __

Temp Control: 4 °C

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Page 1 of 1

C.O.C.# 31595

ORIGINAL

Login Checklist

Cooler Unpacked/Checked by: Diane Shoe Date: 7/24/08

Project ID: 820891

Cooler Check

Cooler ID	Cooler Temp (C)	# of Samples in Cooler	*Tracking #	Evidence Tape			
				Present?		Intact?	
				Yes	No	Yes	No
	4	10					

Note: if the temperature of a cooler is above 6C or an evidence seal is damaged then identify the bottles in the affected cooler(s) on the sample discrepancy form.
*Write tracking number only if waybill copy cannot be placed in the folder

Condition of Containers:

Loose Caps: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Broken Containers: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Acid Preserved Samples: Are their pHs </=2 ?Yes ✓ No_____ N/A_____
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Base Preserved Samples: Are their pHs >/=12 or 9 ?Yes_____ No_____ N/A ✓
(Cyanide >/= 12; Sulfide >/=9)
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Are all samples in cooler on COC?: Yes ✓ No_____
If no, fill out sample discrepancy form.

Are all samples on COC in cooler?: Yes ✓ No_____
If no, fill out sample discrepancy form.

N/A = not Applicable

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September 9, 2008

Jan Beernik
Nutting Environmental
1310 Neptune Drive
Boynton Beach, FL 33426

RE: LOG# 821089
Project ID: IBI GROUP
COC# 37217

Dear Jan Beernik:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, September 02, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report.

The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted.

Samples are disposed of after 30 days of their receipt by the laboratory unless archiving is requested in writing. The laboratory maintains the right to charge storage fees for archived samples.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Footnotes section of this report for NELAC certification numbers of laboratories used.

A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Erin Forsythe

Erin Forsythe for
Kacia Baldwin
kbaldwin@jupiterlabs.com

Enclosures

FDOH# E86546

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SAMPLE ANALYTE COUNT

LOG# 821089
Project ID: IBI GROUP

Lab ID	Sample ID	Method	Analytes Reported
821089002	LAKE	EPA 200.8 (Total)	1
		EPA 310.2	1
		EPA 325.2	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3

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SAMPLE SUMMARY

LOG# 821089
Project ID: IBI GROUP

Lab ID	Sample ID	Matrix	Date Collected	Date Received
821089001	NONE	Aqueous Liquid		9/2/2008 14:30
821089002	LAKE	Aqueous Liquid	8/31/2008 00:00	9/2/2008 14:30

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ANALYTICAL RESULTS

LOG# 821089
Project ID: IBI GROUP

Lab ID: **821089002**
Sample ID: **LAKE**

Date Received: 9/2/2008 14:30 Matrix: Aqueous Liquid
Date Collected: 8/31/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: Chloride by EPA 325.2 (W)								**Analytical Method: EPA 325.2**			
Chloride	170	mg/L	10	5.00	10			09/09/08	EF		16887-00-6
Analysis Desc: Alkalinity, EPA 310.2 (W)								**Analytical Method: EPA 310.2**			
Alkalinity	911	mg/L	100	50.0	10			09/05/08	EF		
Analysis Desc: EPA 8021 Scan by 8260B (W)						**Preparation Method: EPA 5030B**		**Analytical Method: EPA 8260B**			
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	09/04/08	SS	09/05/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	09/04/08	SS	09/05/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	09/04/08	SS	09/05/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	09/04/08	SS	09/05/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	09/04/08	SS	09/05/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	09/04/08	SS	09/05/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	09/04/08	SS	09/05/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	09/04/08	SS	09/05/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	09/04/08	SS	09/05/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	09/04/08	SS	09/05/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	09/04/08	SS	09/05/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	09/04/08	SS	09/05/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	09/04/08	SS	09/05/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	09/04/08	SS	09/05/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	09/04/08	SS	09/05/08	SS		594-20-7
Benzene	U	ug/L	1.00	0.350	1	09/04/08	SS	09/05/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	09/04/08	SS	09/05/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	09/04/08	SS	09/05/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	09/04/08	SS	09/05/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	09/04/08	SS	09/05/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	09/04/08	SS	09/05/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	09/04/08	SS	09/05/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	09/04/08	SS	09/05/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	09/04/08	SS	09/05/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	09/04/08	SS	09/05/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	09/04/08	SS	09/05/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	09/04/08	SS	09/05/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	09/04/08	SS	09/05/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	09/04/08	SS	09/05/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	09/04/08	SS	09/05/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	09/04/08	SS	09/05/08	SS		127-18-4

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ANALYTICAL RESULTS

LOG# 821089
Project ID: IBI GROUP

Lab ID: **821089002** Date Received: 9/2/2008 14:30 Matrix: Aqueous Liquid
Sample ID: **LAKE** Date Collected: 8/31/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Toluene	U	ug/L	1.00	0.470	1	09/04/08	SS	09/05/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	09/04/08	SS	09/05/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	09/04/08	SS	09/05/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	09/04/08	SS	09/05/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	09/04/08	SS	09/05/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	09/04/08	SS	09/05/08	SS		1330-20-7[m,p]
o-Xylene	U	ug/L	1.00	0.670	1	09/04/08	SS	09/05/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	09/04/08	SS	09/05/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	09/04/08	SS	09/05/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	09/04/08	SS	09/05/08	SS		10061-02-6
Dibromofluoromethane (S)	94	%	70-130		1	09/04/08	SS	09/05/08	SS		1868-53-7
Toluene d8 (S)	95	%	70-130		1	09/04/08	SS	09/05/08	SS		2037-26-5
4-Bromofluorobenzene (S)	110	%	70-130		1	09/04/08	SS	09/05/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W) Preparation Method: EPA 3510C SIM
Analytical Method: EPA 8310 List by 8270C SIM

1-Methylnaphthalene	U	ug/L	0.060	0.030	1	09/05/08	BFM	09/06/08	FH		90-12-0
2-Methylnaphthalene	U	ug/L	0.044	0.022	1	09/05/08	BFM	09/06/08	FH		91-57-6
Acenaphthene	U	ug/L	0.034	0.017	1	09/05/08	BFM	09/06/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/05/08	BFM	09/06/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/05/08	BFM	09/06/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/05/08	BFM	09/06/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/05/08	BFM	09/06/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/05/08	BFM	09/06/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/05/08	BFM	09/06/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/05/08	BFM	09/06/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/05/08	BFM	09/06/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/05/08	BFM	09/06/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/05/08	BFM	09/06/08	FH		206-44-0
Fluorene	U	ug/L	0.044	0.022	1	09/05/08	BFM	09/06/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/05/08	BFM	09/06/08	FH		193-39-5
Naphthalene	U	ug/L	0.040	0.020	1	09/05/08	BFM	09/06/08	FH		91-20-3
Phenanthrene	U	ug/L	0.040	0.020	1	09/05/08	BFM	09/06/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/05/08	BFM	09/06/08	FH		129-00-0
Nitrobenzene-d5 (S)	54	%	30-110		1	09/05/08	BFM	09/06/08	FH		4165-60-0
2-Fluorobiphenyl (S)	48	%	30-110		1	09/05/08	BFM	09/06/08	FH		321-60-8
p-Terphenyl-d14 (S)	89	%	30-140		1	09/05/08	BFM	09/06/08	FH		1718-51-0

Volatiles by EPA 8260B GC/MS

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 821089
Project ID: IBI GROUP

Lab ID: **821089002** Date Received: 9/2/2008 14:30 Matrix: Aqueous Liquid
Sample ID: **LAKE** Date Collected: 8/31/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: EPA 8260B EDB/DBCP Scan (W)			Preparation Method: EPA 5030B Analytical Method: EPA 8260B (EDB/DBCP)								
1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	77	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	80	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	91	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (W)			Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)								
Florida Pro Total	169	ug/L	80.0	45.0	1	09/04/08	BFM	09/05/08	FH		
o-Terphenyl (S)	59	%	50-150		1	09/04/08	BFM	09/05/08	FH		84-15-1
n-Triacontane-d62 (S)	71	%	50-150		1	09/04/08	BFM	09/05/08	FH		93952-07-9
Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 Mod. Analytical Method: EPA 200.8 (ICP/MS)								
Lead	0.81	I ug/L	2.0	0.12	1	09/03/08	ZS	09/03/08	ZS		7439-92-1

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ANALYTICAL RESULTS QUALIFIERS

LOG# 821089
Project ID: IBI GROUP

PARAMETER QUALIFIERS

PROJECT COMMENTS

821089	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "I" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit. Report Limit = PQL

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Login Checklist

Cooler Unpacked/Checked by: Diane Shor Date: 9/2/08

Project ID: 821089

Cooler Check

Cooler ID	Cooler Temp (C)	# of Samples in Cooler	*Tracking #	Evidence Tape			
				Present?		Intact?	
				Yes	No	Yes	No
	4	1					

Note: if the temperature of a cooler is above 6C or an evidence seal is damaged then identify the bottles in the affected cooler(s) on the sample discrepancy form.
*Write tracking number only if waybill copy cannot be placed in the folder

Condition of Containers:

Loose Caps: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Broken Containers: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Acid Preserved Samples: Are their pHs </=2 ?Yes ✓ No_____ N/A_____
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Base Preserved Samples: Are their pHs >/=12 or 9 ?Yes_____ No_____ N/A ✓
(Cyanide >/= 12; Sulfide >/=9)
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Are all samples in cooler on COC?: Yes ✓ No_____
If no, fill out sample discrepancy form.

Are all samples on COC in cooler?: Yes ✓ No_____
If no, fill out sample discrepancy form.

N/A = not Applicable

BAR CODE

Chain of Custody Record

LAB USE ONLY

J.E.L. Log # 821089
P.O. # _____
Quote# _____

Jupiter Environmental Laboratories

Company Name: Nutting Enviro
Address: 1310 Neptune Dr.
City: Boynton Bch State: Fl. Zip: 33426
Sampling Site Address: 5100 College Rd. Key West
Attn: Jan Beernink Fax/Email
Project Name: IBI GROUP Project #
Sampler Name/Signature: Tony Ruiz

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont
1	~~Surface~~				
2	Lake	8/31/08		SW	6
3					
4					
5					
6					
7					
8					
9					
10					

Preservation Codes

Parameters	Chlorides	Alkalinity	VOA/VOH's	PAH's	TRPH	EDB	lead					Field Filtered (Y/N)	Integrity OK (Y/N)
			A	A	E	A	B						
1													
2	X	X	X	X	X	X	X						
3													
4													
5													
6													
7													
8													
9													
10													

Comments

ORIGINAL

Matrix Codes*

S	Soil/Solid Sediment	SW	Surface Water
GW	Ground Water	SL	Sludge
WW	Waste Water	O	Other (Please Specify)
DW	Drinking Water		

Pres Codes**

A- none		I- Ice	
B- HNO_3		O- Other	
C- H_2SO_4		M- MeOH	
D- NaOH			
E- HCl			

Relinquished by	Date	Time	Received by	Date	Time
Tony Ruiz	9/2/08	1300		9/2/08	1300
	9/2/08	1430	Diane Shoemaker	9/2/08	14:30

QA/QC level with report
None ___ 1 ___ 2 ___ 3 ___ See price guide for applicable fees

T.A.T. Request
✓ Standard
___ Rush
FDEP ___
SFWMD ___
Date Required _____

Temp Control: 4 °C

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C.O.C.# 37217

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September 5, 2008

Jan Beernik
Nutting Environmental
1310 Neptune Drive
Boynton Beach, FL 33426

RE: LOG# 821070
Project ID: IBI GROUP
COC# 21070

Dear Jan Beernik:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, August 28, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report.

The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted.

Samples are disposed of after 30 days of their receipt by the laboratory unless archiving is requested in writing. The laboratory maintains the right to charge storage fees for archived samples.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Footnotes section of this report for NELAC certification numbers of laboratories used.

A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Erin Forsythe

Erin Forsythe for
Kacia Baldwin
kbaldwin@jupiterlabs.com

Enclosures

FDOH# E86546

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SAMPLE ANALYTE COUNT

LOG# 821070
Project ID: IBI GROUP

Lab ID	Sample ID	Method	Analytes Reported
821070001	MW-1	EPA 200.8 (Total)	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3
821070002	MW-2	EPA 200.8 (Total)	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3
821070003	MW-3	EPA 200.8 (Total)	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3

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SAMPLE SUMMARY

LOG# 821070
Project ID: IBI GROUP

Lab ID	Sample ID	Matrix	Date Collected	Date Received
821070001	MW-1	Aqueous Liquid	8/27/2008 10:25	8/28/2008 15:52
821070002	MW-2	Aqueous Liquid	8/27/2008 11:21	8/28/2008 15:52
821070003	MW-3	Aqueous Liquid	8/27/2008 12:02	8/28/2008 15:52

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070001** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W)			Preparation Method: EPA 5030B Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	08/29/08	SS	08/29/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	08/29/08	SS	08/29/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	08/29/08	SS	08/29/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	08/29/08	SS	08/29/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	08/29/08	SS	08/29/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	08/29/08	SS	08/29/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		594-20-7
Benzene	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	08/29/08	SS	08/29/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	08/29/08	SS	08/29/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	08/29/08	SS	08/29/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	08/29/08	SS	08/29/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	08/29/08	SS	08/29/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	08/29/08	SS	08/29/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	08/29/08	SS	08/29/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	08/29/08	SS	08/29/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	08/29/08	SS	08/29/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070001** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	08/29/08	SS	08/29/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		10061-02-6
Dibromofluoromethane (S)	100	%	70-130		1	08/29/08	SS	08/29/08	SS		1868-53-7
Toluene d8 (S)	99	%	70-130		1	08/29/08	SS	08/29/08	SS		2037-26-5
4-Bromofluorobenzene (S)	82	%	70-130		1	08/29/08	SS	08/29/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W) — Preparation Method: EPA 3510C SIM; Analytical Method: EPA 8310 List by 8270C SIM

1-Methylnaphthalene	10.2	ug/L	0.060	0.030	1	09/02/08	BFM	09/03/08	FH		90-12-0
2-Methylnaphthalene	1.70	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		91-57-6
Acenaphthene	0.960	ug/L	0.034	0.017	1	09/02/08	BFM	09/03/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/02/08	BFM	09/03/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/02/08	BFM	09/03/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/02/08	BFM	09/03/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		206-44-0
Fluorene	2.15	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/02/08	BFM	09/03/08	FH		193-39-5
Naphthalene	2.55	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		91-20-3
Phenanthrene	0.445	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		129-00-0
Nitrobenzene-d5 (S)	71	%	30-110		1	09/02/08	BFM	09/03/08	FH		4165-60-0
2-Fluorobiphenyl (S)	61	%	30-110		1	09/02/08	BFM	09/03/08	FH		321-60-8
p-Terphenyl-d14 (S)	92	%	30-140		1	09/02/08	BFM	09/03/08	FH		1718-51-0

Analysis Desc: EPA 8260B EDB/DBCP Scan (W) — Preparation Method: EPA 5030B; Analytical Method: EPA 8260B (EDB List)

1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	70	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	79	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	117	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070001** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (W) Preparation Method: EPA 3510C Analytical Method: FLPRO (GC)											
Florida Pro Total	527	ug/L	80.0	45.0	1	09/02/08	BFM	09/02/08	FH		
o-Terphenyl (S)	30	%	50-150		1	09/02/08	BFM	09/02/08	FH	J2	84-15-1
n-Triacontane-d62 (S)	43	%	50-150		1	09/02/08	BFM	09/02/08	FH	J2	93952-07-9
Analysis Desc: EPA 200.8 Metals (W) Preparation Method: EPA 200.2 Mod Analytical Method: EPA 200.8 (ICP-MS)											
Lead	U	ug/L	2.0	0.12	1	08/29/08	ZS	08/29/08	ZS		7439-92-1

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070002** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 8/27/2008 11:21

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W)			Preparation Method: EPA 5030B Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	08/29/08	SS	08/29/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	08/29/08	SS	08/29/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	08/29/08	SS	08/29/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	08/29/08	SS	08/29/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	08/29/08	SS	08/29/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	08/29/08	SS	08/29/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		594-20-7
Benzene	1.48	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	08/29/08	SS	08/29/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	08/29/08	SS	08/29/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	08/29/08	SS	08/29/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	08/29/08	SS	08/29/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	08/29/08	SS	08/29/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	08/29/08	SS	08/29/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	08/29/08	SS	08/29/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	08/29/08	SS	08/29/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	08/29/08	SS	08/29/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070002** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 8/27/2008 11:21

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	08/29/08	SS	08/29/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		10061-02-6
Dibromofluoromethane (S)	93	%	70-130		1	08/29/08	SS	08/29/08	SS		1868-53-7
Toluene d8 (S)	101	%	70-130		1	08/29/08	SS	08/29/08	SS		2037-26-5
4-Bromofluorobenzene (S)	85	%	70-130		1	08/29/08	SS	08/29/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W)	Preparation Method: EPA 3510C SIM Analytical Method: EPA 8310 List by 8270C SIM									
1-Methylnaphthalene	50.9	ug/L	0.060	0.030	1	09/02/08	BFM	09/03/08	FH		90-12-0
2-Methylnaphthalene	67.3	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		91-57-6
Acenaphthene	0.925	ug/L	0.034	0.017	1	09/02/08	BFM	09/03/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/02/08	BFM	09/03/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/02/08	BFM	09/03/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/02/08	BFM	09/03/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		206-44-0
Fluorene	2.64	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/02/08	BFM	09/03/08	FH		193-39-5
Naphthalene	100.0	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		91-20-3
Phenanthrene	2.76	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		129-00-0
Nitrobenzene-d5 (S)	72	%	30-110		1	09/02/08	BFM	09/03/08	FH		4165-60-0
2-Fluorobiphenyl (S)	29	%	30-110		1	09/02/08	BFM	09/03/08	FH	J2	321-60-8
p-Terphenyl-d14 (S)	66	%	30-140		1	09/02/08	BFM	09/03/08	FH		1718-51-0

Analysis Desc: EPA 8260B EDB/DBCP Scan (W)	Preparation Method: EPA 5030B Analytical Method: EPA 8260B (EDB List)									
1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	71	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	82	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	105	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070002** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 8/27/2008 11:21

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (W)			Preparation Method: EPA 3510C Analytical Method: FL PRO (GC)								
Florida Pro Total	6630	ug/L	400	225	5	09/02/08	BFM	09/03/08	FH		
o-Terphenyl (S)	39	%	50-150		5	09/02/08	BFM	09/03/08	FH	J2d	84-15-1
n-Triacontane-d62 (S)	79	%	50-150		5	09/02/08	BFM	09/03/08	FH		93952-07-9
Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod Analytical Method: EPA 200.8 (ICP-MS)								
Lead	U	ug/L	2.0	0.12	1	08/29/08	ZS	08/29/08	ZS		7439-92-1

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070003** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W) Preparation Method: EPA 5030B Analytical Method: EPA 8260B											
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	08/29/08	SS	08/29/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	08/29/08	SS	08/29/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	08/29/08	SS	08/29/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	08/29/08	SS	08/29/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	08/29/08	SS	08/29/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	08/29/08	SS	08/29/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		594-20-7
Benzene	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	08/29/08	SS	08/29/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	08/29/08	SS	08/29/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	08/29/08	SS	08/29/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	08/29/08	SS	08/29/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	08/29/08	SS	08/29/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	08/29/08	SS	08/29/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	08/29/08	SS	08/29/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	08/29/08	SS	08/29/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	08/29/08	SS	08/29/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070003** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	08/29/08	SS	08/29/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		10061-02-6
Dibromofluoromethane (S)	102	%	70-130		1	08/29/08	SS	08/29/08	SS		1868-53-7
Toluene d8 (S)	99	%	70-130		1	08/29/08	SS	08/29/08	SS		2037-26-5
4-Bromofluorobenzene (S)	83	%	70-130		1	08/29/08	SS	08/29/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W)	Preparation Method: EPA 3510C SIM Analytical Method: EPA 8310 List by 8270C SIM								
1-Methylnaphthalene	1.57	ug/L	0.060	0.030	1	09/02/08	BFM	09/03/08	FH		90-12-0
2-Methylnaphthalene	2.21	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		91-57-6
Acenaphthene	0.075	ug/L	0.034	0.017	1	09/02/08	BFM	09/03/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/02/08	BFM	09/03/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/02/08	BFM	09/03/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/02/08	BFM	09/03/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		206-44-0
Fluorene	0.075	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/02/08	BFM	09/03/08	FH		193-39-5
Naphthalene	1.51	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		91-20-3
Phenanthrene	0.050	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		129-00-0
Nitrobenzene-d5 (S)	69	%	30-110		1	09/02/08	BFM	09/03/08	FH		4165-60-0
2-Fluorobiphenyl (S)	55	%	30-110		1	09/02/08	BFM	09/03/08	FH		321-60-8
p-Terphenyl-d14 (S)	78	%	30-140		1	09/02/08	BFM	09/03/08	FH		1718-51-0

Analysis Desc: EPA 8260B EDB/DBCP Scan (W)	Preparation Method: EPA 5030B Analytical Method: EPA 8260B (EDB List)								
1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	73	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	80	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	93	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4

FDOH# E86546

CERTIFICATE OF ANALYSIS

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Jupiter
Environmental Laboratories, Inc.

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070003** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (W)			Preparation Method: EPA 3510C Analytical Method: FLPRO (GC)								
Florida Pro Total	463	ug/L	80.0	45.0	1	09/02/08	BFM	09/03/08	FH		
o-Terphenyl (S)	70	%	50-150		1	09/02/08	BFM	09/03/08	FH		84-15-1
n-Triacontane-d62 (S)	80	%	50-150		1	09/02/08	BFM	09/03/08	FH		93952-07-9
Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod Analytical Method: EPA 200.8 (total)								
Lead	0.28	I ug/L	2.0	0.12	1	08/29/08	ZS	08/29/08	ZS		7439-92-1

FDOH# E86546

CERTIFICATE OF ANALYSIS

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Fax: (561)575-4118

ANALYTICAL RESULTS QUALIFIERS

LOG# 821070
Project ID: IBI GROUP

PARAMETER QUALIFIERS

J2	Surrogate recovery limits were exceeded due to matrix interference.
J2d	Surrogate recovery limits were exceeded due to matrix required sample dilution.

PROJECT COMMENTS

821070	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "I" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit. Report Limit = PQL

FDOH# E86546

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Jupiter

150 S. Old Dixie HWY
Jupiter, FL 33458
PH 561-575-0030
FX 561-575-4118

CHAIN OF CUSTODY RECORD

PAGE: 1 OF 1

Company Name: Nutting Enviro.
ADDRESS: 1310 Neptune Dr, Boynton Beach, FL. 33426
CITY: Boynton Beach
TEL: 561-736-4900 FAX: E-MAIL: JanB@nef.cc

CLIENT PROJECT NAME / NUMBER: IBI Group
Project contact: Jan Beernink
SAMPLER(S): (SIGNATURE) Tony Ruiz

P.O. NO.: 821070
QUOTE NO.:
LOG #

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☒ 3 DAYS

SPECIAL REQUIREMENTS
☐ SFWMD ☐ FDEP ☐ QAQC Level 1 2 3 see price list for fees

SPECIAL INSTRUCTIONS

Temp Control: 4 C

Matrix Codes: s-soil; GW- Groundwater; DW- Drinking water; o - Other

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	VOA/VOH/EDB	PAH's	TRPH	Lead
1	MW-1		08/27/08	10:25	Ground	6	x	x	x	x
2	MW-2		08/27/08	11:21	Ground	6	x	x	x	x
3	MW-3		08/27/08	12:02	Ground	6	x	x	x	x
4										
5										
6										
7										
8										
9										
0										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Ruiz Tony Ruiz		8/28/08	1450
Relinquished by: (Signature)	Received by: (Signature) Diane Shoemaker	8/28/08	1552
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

E-mail: clientservices@jupiterlabs.com
Preservation Codes: *C=Chilled S=Sulfuric acid N=Nitric acid H=Hydrochloric acid O=Other _____ (fill in)
*ALL SAMPLES MUST BE ON ICE EXCEPT ultra-trace Hg
Please print name of samplers here:

821070

Login Checklist

Cooler Unpacked/Checked by: Diane Shoe Date: 8/28/08

Project ID: 821070

Cooler Check

Cooler ID	Cooler Temp (C)	# of Samples in Cooler	*Tracking #	Evidence Tape			
				Present?		Intact?	
				Yes	No	Yes	No
	4	3					

Note: if the temperature of a cooler is above 6C or an evidence seal is damaged then identify the bottles in the affected cooler(s) on the sample discrepancy form.
*Write tracking number only if waybill copy cannot be placed in the folder

Condition of Containers:

Loose Caps: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Broken Containers: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Acid Preserved Samples: Are their pHs </=2 ?Yes ✓ No_____ N/A_____
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Base Preserved Samples: Are their pHs >/=12 or 9 ?Yes_____ No_____ N/A ✓
(Cyanide >/= 12; Sulfide >/=9)
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Are all samples in cooler on COC?: Yes ✓ No_____
If no, fill out sample discrepancy form.

Are all samples on COC in cooler?: Yes ✓ No_____
If no, fill out sample discrepancy form.

N/A = not Applicable

APPENDIX C - FDEP SAMPLE LOGS

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: IBI Group	SITE LOCATION: 5100 College Rd. Key West, FL.	
WELL NO: MW-1	SAMPLE ID: MW-1	DATE: 8/27/08

PURGING DATA

WELL DIAMETER (inches):2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH:1.83 ft to 11.83 ft.	STATIC DEPTH TO WATER (feet) : 1.69	PURGE PUMP TYPE OR BAILER: Peristaltic Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

Only fill out if applicable) (11.83 ft – 1.69 ft) x 0.16 = 1.62

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(Only fill out if applicable)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 1.85	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1.85	PURGING INITIATED AT: 9:44	PURGING ENDED AT: 10:24	TOTAL VOLUME PURGED (gallons): 10.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (Gallon)	PURGE RATE (gpm)	DEPTH TO WATER (Feet)	Ph (Standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % Saturation)	TURBIDITY (NTUs)	COLOR (Describe)	ODOR (Describe)
9:52	1.0	2.0	0.25	1.78	6.77	27.13	1572	0.69	9.26	Clear	None
9:56	1.0	3.0	0.25	1.78	6.71	27.10	1564	0.55	8.32	Clear	None
10:00	1.0	4.0	0.25	1.78	6.72	27.28	1539	0.48	7.39	Clear	None
10:04	1.0	5.0	0.25	1.78	6.73	27.06	1531	0.40	6.21	Clear	None
10:08	1.0	6.0	0.25	1.78	6.75	27.14	1528	0.37	5.33	Clear	None
10:12	1.0	7.0	0.25	1.78	6.75	27.11	1525	0.34	4.29	Clear	None
10:16	1.0	8.	0.25	1.78	6.75	27.10	1527	0.56	3.71	Clear	None
10:20	1.0	9.0	0.25	1.78	6.76	27.14	1531	0.32	2.98	Clear	None
10:24	1.0	10.0	0.25	1.78	6.77	27.11	1516	0.29	1.77	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.021.; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tony Ruiz ENVIRONMENTAL SPECIALIST	SAMPLER (S) SIGNATURES: Tony Ruiz	SAMPLING INITIATED A t: 10:25	SAMPLING ENDED: 10:31
PUMP OR TUBING DEPTH IN WELL (feet): 1.85	SAMPLE PUMP FLOW RATE (ML per minute):..10	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION :(Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____µm Filtration Equipment Type: ____	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ML)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-1	1	AG	1L	HCL	0	<2	TRPH	VT
MW-1	1	AG	1L	None	0	<2	PAH,s	VT
MW-1	1	PE	125mL	HNO3	0	<2	Lead	APP
MW-1	3	CG	40mL	None	0	<2	VOA/VOH/EDB	RFPP

Remarks:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: IBI Group	SITE LOCATION: 5100 College Rd. Key West, FL.	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 8/27/08

PURGING DATA

WELL DIAMETER (inches):2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH:1.33 ft to 11.33 ft.	STATIC DEPTH TO WATER (feet) : 2.39	PURGE PUMP TYPE OR BAILER: Peristaltic Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

Only fill out if applicable) (11.33 ft – 2.39 ft) x 0.16 = 1.43

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(Only fill out if applicable)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 2.60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 2.60	PURGING INITIATED AT: 10:40	PURGING ENDED AT: 11:20	TOTAL VOLUME PURGED (gallons): 10.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (Gallon)	PURGE RATE (gpm)	DEPTH TO WATER (Feet)	Ph (Standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % Saturation)	TURBIDITY (NTUs)	COLOR (Describe)	ODOR (Describe)
10:48	1.0	2.0	0.25	2.48	6.40	28.00	2372	0.69	36.9	Clear	None
10:52	1.0	3.0	0.25	2.48	6.39	27.93	2344	0.61	33.1	Clear	None
10:56	1.0	4.0	0.25	2.48	6.39	27.93	2323	0.60	12.4	Clear	None
11:00	1.0	5.0	0.25	2.48	6.40	27.90	2300	0.60	5.89	Clear	None
11:04	1.0	6.0	0.25	2.48	6.41	27.94	2297	0.60	3.14	Clear	None
11:08	1.0	7.0	0.25	2.48	6.42	27.93	2294	0.60	2.06	Clear	None
11:12	1.0	8.	0.25	2.48	6.43	27.92	2279	0.60	1.60	Clear	None
11:16	1.0	9.0	0.25	2.48	6.44	27.92	2275	0.60	1.25	Clear	None
11:20	1.0	10.0	0.25	2.48	6.45	27.92	2261	0.60	0.83	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.021.; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tony Ruiz ENVIRONMENTAL SPECIALIST	SAMPLER (S) SIGNATURES: Tony Ruiz	SAMPLING INITIATED A t: 11:21	SAMPLING ENDED: 11:31
PUMP OR TUBING DEPTH IN WELL (feet): 2.60	SAMPLE PUMP FLOW RATE (ML per minute):..10	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION :(Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____µm Filtration Equipment Type: ____	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ML)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	1	AG	1L	HCL	0	<2	TRPH	VT
MW-2	1	AG	1L	None	0	<2	PAH,s	VT
MW-2	1	PE	125mL	HNO3	0	<2	Lead	APP
MW-2	3	CG	40mL	None	0	<2	VOA/VOH/EDB	RFPP

Remarks:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: IBI Group	SITE LOCATION: 5100 College Rd. Key West, FL.	
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 8/27/08

PURGING DATA

WELL DIAMETER (inches):2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH:2.11 ft to 12.11 ft.	STATIC DEPTH TO WATER (feet) : 2.18	PURGE PUMP TYPE OR BAILER: Peristaltic Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

Only fill out if applicable) (12.11 ft – 2.18 ft) x 0.16 = 1.59

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(Only fill out if applicable)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 2.40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 2.40	PURGING INITIATED AT: 11:37	PURGING ENDED AT: 12:01	TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (Gallon)	PURGE RATE (gpm)	DEPTH TO WATER (Feet)	Ph (Standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/l or % Saturation)	TURBIDITY (NTUs)	COLOR (Describe)	ODOR (Describe)
11:45	1.0	2.0	0.25	2.25	7.08	28.12	1476	1.99	1.92	Clear	None
11:49	1.0	3.0	0.25	2.25	7.04	28.08	1413	1.95	1.32	Clear	None
11:53	1.0	4.0	0.25	2.25	7.00	28.06	1393	1.99	1.13	Clear	None
11:57	1.0	5.0	0.25	2.25	6.98	28.07	1366	2.03	1.12	Clear	None
12:01	1.0	6.0	0.25	2.25	6.97	28.07	1348	2.06	0.98	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.021.; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tony Ruiz ENVIRONMENTAL SPECIALIST	SAMPLER (S) SIGNATURES: Tony Ruiz	SAMPLING INITIATED A t: 12:02	SAMPLING ENDED: 12:09
PUMP OR TUBING DEPTH IN WELL (feet): 2.40	SAMPLE PUMP FLOW RATE (ML per minute):..10	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION :(Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: _____µm Filtration Equipment Type: _____	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ML)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-3	1	AG	1L	HCL	0	<2	TRPH	VT
MW-3	1	AG	1L	None	0	<2	PAH,s	VT
MW-3	1	PE	125mL	HNO3	0	<2	Lead	APP
MW-3	3	CG	40mL	None	0	<2	VOA/VOH/EDB	RFPP

Remarks:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

APPENDIX D - SELECTIVE COPIES OF STORAGE TANK INFORMATION

MONROE COUNTY
ENGINEERING/CONSTRUCTION MANAGEMENT
CONTRACT CHANGE ORDER

PROJECT TITLE: Demolition of the Public Service Building

CHANGE ORDER NO: 4

Total Previous Change Orders	$21,639.00
Current Change Order	$22,849.00
% of Original Contract Amount	6%
% of Contract after Prior C/O's	5%
Original Contract Amount	$407,700.00
Revised Contract Amount	$452,188.00
Change in Contract Time	7 days

Detailed description of change order and justification:

Additional costs incurred for Chimney work to isolate site and set-up the area for waste removal and disposal. Total Cost $16,844.00. **Seven (7)** additional days are required for this work. There was also, additional work required for removal of product leakage into the soil from the removal of the old fuel tank at the site. Total cost $6,005.00

The revised contract completion date is 12/11/03.

CONTRACTOR: D.L. Porter Constructors, Inc. — Date: 12/2/03

CONSTRUCTION MANAGER: Stephanie Carter — Date: 12/4/03

COUNTY ENGINEER: David S. Koppel, P.E. — Date: 12-2-03

DIRECTOR OF PUBLIC WORKS: Dent Pierce for DA — Date: 12-4-03

COUNTY ADMINISTRATOR: James L. Roberts — Date: 12-9-03

to Pam.

MEMORANDUM

TO: Board of County Commissioners

From: James L. Roberts
County Administrator

Date: December 5, 2003

RE: **Change Orders**

Attached is a proposed change order for D.L. Porter Constructors, Inc., for **DEMOLITION OF THE PUBLIC SERVICE BUILDING** for approval.

According to the ordinance adopted by the Board of County Commissioners, proposed change orders are to be presented to members of the Board of County Commissioners prior to approval, assuming they are within the Administrator's prescribed limits. Change orders not within the Administrator's authority are placed on the BOCC agenda.

The Administrator intends to approve this change order on Tuesday, December 9th, 2003.

James L. Roberts
County Administrator

Change Order Attachment per Ordinance No. 004-1999

- Change Order was not included in the original contract specifications. Yes ✗ No

  If Yes, explanation:

  Unforeseen conditions

- Change Order was included in the original specifications. Yes ☐ No ✗
  If Yes, explanation of increase in price:

- Change Order exceeds $25,000 or 5% of contract price (whichever is greater). Yes No ✗

  If Yes, explanation as to why it is not subject for a calling for bids:

- Project architect approves the change order. Yes ✗ No ☐

  If no, explanation of why:

- Change Order is correcting an error or omission in design document. Yes ☐ No ✗

  Should a claim under the applicable professional liability policy be made? Yes ☐ No ✗
  Explain:

MONROE COUNTY CONSTRUCTION MANAGEMENT
NOV 25 2003
TIME: RECEIVED BY:

FAXED 11-25-03

CHANGE ORDER REQUEST

ARCHITECT
OWNER
FIELD

PROJECT: Asbestos Abatement & Demolition Of the Public Service Building
(Name and address) 5100 Jr. College Rd. Key West, FL 33040

CHANGE ORDER REQUEST NO. Five(5)2nd Revised

DATE OF ISSUANCE: 11/7/03

CONTRACT FOR: Demolition

CONTRACT DATED: July 15, 2003

ARCHITECT'S PROJECT NO

OWNER: MONROE COUNTY
(Name and address) 1100 Simonton St. Key West, FL 33040

TO ARCHITECT: Monroe County Construction Mgmt.
(Name and address) 1100 Simonton St. Key West, FL 33040

CONTRACTOR: D.L. Porter Constructors, Inc.
(Name and address) 6574 Palmer Park Circle Sarasota, FL 34238

We herein request changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein.

THIS IS NOT A CHANGE ORDER OR AUTHORIZATION TO PROCEED WITH THE WORK DESCRIBED IN THIS REQUEST.

Description:
(Insert a written description of the work and justification)

Disposal of contaminated soil and ground water assessment and removal associated with the removal of the old underground tank that leaked fuel and contaminated the surrounding soil as described by Key Iron Works.

Total subcontractors cost	$ 5,719.00
GC Overhead & Profit	286.00
Total of Change Order Request #5	$ 6,005.00

Attachments:
(List attached documents that support description)

Key Iron Works Change Order Notification #5

REQUESTED BY:

C. Marshall White, Vice President *(Printed name and title)*

MONROE COUNTY
CONSTRUCTION MANAGEMENT
NOV 25 2003
TIME RECEIVED BY:

KEY IRON WORKS

5551 2nd Ave.
Key West, Florida 33040

Change Order Notification

Number 5

Date : November 6, 2003
Job Name : M.C.P.S.B DEMOLITION PROJECT
Job Address : 5100 College Rd. Key West, Fl. 33040
K.I.W Job # 103
Job Phone # : 305-294-0277

To : DL Porter 6574 Palmer Park Circle Sarasota, Fl. 34238	Phone # : 941-929-9400 Date of Existing Contract July 15,2003

We hereby agree to make the change(s) specified below :

DURING THE REMOVAL OF THE OLD FUEL TANK AT THE PUBLIC SERVICE BUILDING DEMOLITION SITE-WE FOUND THAT PRODUCT HAD LEAKED INTO THE ENVIRONMEN

The following task was performed by Environmental Tactics Inc.

1) E.T.I. notified all persons involved in supervision of the project.
2) E.T.I. removed the free products from the ground water with a petrol pad roll.
3) E.T.I. tested the surrounding soils by OVA sniffing and removed the excessively contaminated soils around the tank; Before demolition of the tank- (that sniffed over 50 ppm or were stained as per FDEP regulations)
4) E.T.I. screened out the extra contaminated soils (approximately 15 yards-17 tons) for disposal and put in a container to be manifested and legally disposed of.
   * Total amount of contaminated materials = 17 tons @ $ 50.00 per ton to dispose----plus 1 extra roll off was used @ $ 500.00
   * Extra disposal cost of contaminated materials is $ 1350.00 as per Greg Sullivan - Waste Management

* ETI performed extra assessment work to OVA - screen the excavated tank pit- after the tank was removed; to assess the extent of contaminated soils and remove them. The extra work took ETI 12 hrs. (3men, machines & test equipment) to complete. The extra work consisted of sniffing, scraping, excavating, clean up and loading, filling the extra excavated areas - Extra labor cost were 12 hrs. 3 men @$ 205.00 per crew hr. =$ 2460.00
* An extra charge was added for more pea rock to fill a deeper and wider tank pit @ per load (19 tons) = 437.34
* One roll of petrol pad to soak up spill on top of ground water = $ 79.30
* OVA usage of field test device for soil separation = $ 275.00
* Excavator use - extra time - $ 320.00
* Materials used that were extra - plastic 6 mil visqueen @ $ 30.00

Cost for the extra work = $ 4951.84 plus 10% ($ 495.18)

Total extra cost for contaminated soil and ground water assessment and removal =	$5,446.80
Key Iron Works Management Fee @ 5% $272.34	$ 272.34

Note : This Change Order becomes part of and in accordance with the existing contract.

WE AGREE hereby to make the change's) specified above at this price ----------->

PREVIOUS CHANGE ORDER AMOUNT	$	5,719.14
REVISED CHANGE ORDER TOTAL	$	5,719.14

Date
Authorized Signature(Contractor)

ACCEPTED - the above prices & specs of this Change Order are hereby accepted. All work to be performed under same terms as specified in original contract unless otherwise stipulated.	Date of Acceptance : Signature (Owner)

KEY IRON WORKS

6551 2nd Ave.
Key West, Florida 33040

Change Order Notification

Number 6

Date : November 10, 2003
Job Name : M.C.P.S.B DEMOLITION PROJECT
Job Address : 5100 College Rd. Key West. Fl. 33040
K.I.W Job # 103
Job Phone # : 305-294-0277

To : DL Porter 8574 Palmer Park Circle Sarasota, Fl. 34238	Phone # : 941-929-9400 Date of Existing Contract July 15,2003

We hereby agree to make the change(s) specified below :

Cost breakdown for Chimney work
The stack (chimney) has been tested and does not contain hazardous waste.
Cost breakdown :

1) Site isolation- mobilize and set up& isolate chimney site area	$ 288.00
2) Ash Removal through clean out	$462.00
3) Stack preparation or encapsulation of stack(foam machine used) chemical encapsulation is recommended by EE&G	$2,021.00
4) Man lift rental	$1,039.00
5) Separate clean brick	$1,732.00
6) Stack demolition- excavator use and saw cutting-hand labor	$4,000.00
7) De-con men and equipment - by water wash down	$ 400.00
8) Supplies used - foam and foam machine used	$ 500.00
9) Manifest & submit certified report on cleanup and disposal	$ 400.00
10) KIW will pay for disposal cost	$5,200.00

Debris will be manifested from cradle to grave

Note : This Change Order becomes part of and in accordance with the existing contract.

WE AGREE hereby to make the change's) specified above at this price ——————>

PREVIOUS CHANGE ORDER AMOUNT	$16,042
REVISED CHANGE ORDER TOTAL	$16,042

Date
Authorized Signature(Contractor)

ACCEPTED - the above prices & specs of this Change Order are hereby accepted. All work to be performed under same terms as specified in original contract unless otherwise stipulated.	Date of Acceptance : Signature (Owner)

CHANGE ORDER REQUEST

ARCHITECT
OWNER
FIELD

PROJECT: Asbestos Abatement & Demolition Of the Public Service Building
(Name and address) 5100 Jr. College Rd. Key West, FL 33040

CHANGE ORDER REQUEST NO.: Six(6) 2nd Revised

DATE OF ISSUANCE: 11/10/03

CONTRACT FOR: Demolition

CONTRACT DATED: July 15, 2003

ARCHITECT'S PROJECT NO

OWNER: MONROE COUNTY
(Name and address) 1100 Simonton St. Key West, FL 33040

TO ARCHITECT: Monroe County Construction Mgmt.
(Name and address) 1100 Simonton St. Key West, FL 33040

CONTRACTOR: D.L. Porter Constructors, Inc.
(Name and address) 6574 Palmer Park Circle Sarasota, FL 34238

We herein request changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein.

THIS IS NOT A CHANGE ORDER OR AUTHORIZATION TO PROCEED WITH THE WORK DESCRIBED IN THIS REQUEST.

Description:
(Insert a written description of the work and justification)

Chimney work per attached Key Iron Works Change Order Notification #6

Total subcontractors cost	$ 16,042.00
GC Overhead & Profit	802.00
Total of Change Order Request #5	$ 16,844.00

Seven (7) additional contract days are hereby requested for completion of this work.

Attachments:
(List attached documents that support description)

Key Iron Works Change Order Notification #6

REQUESTED BY:

C. Marshall White, Vice President *(Printed name and title)*

D.L. PORTER CONSTRUCTORS, INC.
6574 Palmer Park Circle, Sarasota, FL 34238
(941) 929-9400 - FAX (941) 929-9500

FAX
MEMORANDUM

TO: Stephanie Coffer
Monroe County Construction Management
FAX: 305-295-4321
CC: Eric King, Key Iron Works
TOTAL PAGES (Including this page) (3)
FROM: Marshall White
DATE: November 26, 2003
SUBJECT: Asbestos Abatement & Demolition of the Public Service Building

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Following please find our Change Order Request No. 6 (2nd revised) for your review and further action.

If you need additional information, please let me know.

CHANGE ORDER REQUEST

ARCHITECT
OWNER
FIELD

PROJECT: Asbestos Abatement & Demolition Of the Public Service Building
(Name and address) 5100 Jr. College Rd. Key West, FL 33040

CHANGE ORDER REQUEST NO.: One (1)

DATE OF ISSUANCE: 9/17/03

OWNER: MONROE COUNTY
(Name and address) 1100 Simonton St. Key West, FL 33040

CONTRACT FOR: Demolition

CONTRACT DATED: July 15, 2003

ARCHITECT'S PROJECT NO

TO ARCHITECT: Monroe County Construction Mgmt.
(Name and address) 1100 Simonton St. Key West, FL 33040

CONTRACTOR: D.L. Porter Construotors, Inc.
(Name and address) 6574 Palmer Park Circle Sarasota, FL 34238

We herein request changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein.

THIS IS NOT A CHANGE ORDER OR AUTHORIZATION TO PROCEED WITH THE WORK DESCRIBED IN THIS REQUEST.

Description:
(Insert a written description of the work and justification)

Removal of unknown buried concrete diesel fuel tank which fueled the furnace that was used for the cremation of bio waste.

a) There are no unit prices for this removal
b) The fuel tank is old and made of concrete
c) It still has free product in it.
d) It still has piping that runs under the building structure to the cremation chamber.

This change order reflects doing the following work:

1) Removal and vacuum extractions of petroleum product.	$ 2,617.00
2) Cleaning and demolition of concrete tank.	5,463.00
3) Site assessment after removal with OVA testing and laboratory testing of soil and water samples.	6,861.00
4) Monitoring well installation in the tank pit.	1,270.00
5) Clean back fill in excavated pit.	953.00
6) Environmental requirements for tank closure (EPA & FDEP).	6,352.00
7) All required environmental manifests and closure reporting.	3,049.00

Note: Not to include any "extra" assessment work if the contaminate is spread beyond the tank pit.
Not to include any contaminated soil disposal cost.
Removal of piping that runs under the building is included in this COR.

Subcontract cost	$ 26,565.00
GC OH & P	2,657.00
Total of COR#1	$ 29,222.00

Five (5) additional contract days are hereby requested for completion of this work.

Attachments:
(List attached documents that support description)

Key Iron Works Change Order Notification #1

REQUESTED BY:

(Signature) C. Marshall White, Vice President Corp. Sec. *(Printed name and title)*

Sep 19 03 06:35a Rq ' Dept. 5-295-5192 p.1

Sep-18-2003 14:08 From-MONROE COUNTY ENGINEERING +3052954321 T-703 P.001/003 F-118

JBG

MONROE COUNTY CONSTRUCTION MANAGEMENT
SEP 17 2003
TIME:
RECEIVED BY:

D.L. PORTER CONSTRUCTORS, INC.

6574 Palmer Park Circle, Sarasota, FL 34238
(941) 929-9400 - FAX (941) 929-9500

FAX
MEMORANDUM

MONROE COUNTY CONSTRUCTION MANAGEMENT
SEP 19 2003
TIME:
RECEIVED BY:

TO: Stephanie Coffer
Monroe County Construction Management
FAX: 305-295-4321
CC: Eric King, Key Iron Works
TOTAL PAGES (Including this page) (3)
FROM: Marshall White
DATE: September 17, 2003
SUBJECT: Asbestos Abatement & Demolition of the Public Service Building

Following please find our Change Order Request No. 1 for your review and further action.

If you need additional information, please let me know.

DENT PIERCE

(with fuel) 2,400 gal

this PSB surprise TANK weighs in at 90,000 LBS of Reinforced Concrete & with FDEP to deal with the price isn't unreasonable. It's clear we gotta do it.

9-19-03 Rufus

[illegible] to go "Immediately!" See [illegible] is in town to sign

BOARD OF COUNTY COMMISSIONERS
OF MONROE COUNTY, FLORIDA

By_____
Mayor/Chairman

(SEAL)
ATTEST: DANNY L. KOLHAGE, CLERK

By_____
Deputy Clerk

MONROE COUNTY
CONSTRUCTION MANAGEMENT
CONTRACT CHANGE ORDER

PROJECT TITLE: Demolition of the Public Service Building on Stock Island

CHANGE ORDER NO: 2

Total Previous Change Orders	$(14,000.00)
Current Change Order	$ 29,222.00
Original Contract Amount	$407,700.00
Revised Contract Amount	$422,922.00
Change in Contract time	5 days

Detailed description of change order and justification:

This cost is for the unforeseen condition involving the additional work required to remove a buried concrete diesel fuel tank which fueled the furnace that was used for the cremation of bio-waste and must be removed, cleaned out and the tank demolished. The tank weighs 90,000 pounds and FDEP requirements must be followed for tank closure.

The revised contract completion will be November 20, 2003

CONTRACTOR: _____ 9/25/03
D. L. Porter Constructors, Inc. — Date

DIRECTOR OF PLANNING & CONST.: _____ 9/24/03
Stephanie Coffer — Date

COUNTY ENGINEER: _____ 9.30.03
David S. Koppel, P.E. — Date

DIRECTOR OF PUBLIC WORKS: _____ 9/30/03
Dent Pierce — Date

COUNTY ADMINISTRATOR: _____ 10-2-03
James L. Roberts — Date

MEMORANDUM

TO: Board of County Commissioners

From: James L. Roberts
County Administrator

Date: October 17, 2003

RE: **Change Orders**

Attached is a proposed change order for D.L. Porter Constructors, Inc. for **Demolition of the Public Service Building** for approval.

According to the ordinance adopted by the Board of County Commissioners, proposed change orders are to be presented to members of the Board of County Commissioners prior to approval, assuming they are within the Administrator's prescribed limits. Change orders not within the Administrator's authority are placed on the BOCC agenda.

The Administrator intends to approve this change order on ~~Tuesday~~ Thurs, October ~~21,~~ 21, 2003.

James L. Roberts
County Administrator

(305) 477-7497

EMC Oil Corporation

P.O. Box 520882 - Miami, FL 33152

(800) 344-8688

UNIFORM WASTE TRANSPORTERS MANIFEST

NO HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST

GENERATOR

1. Generator's Name and Mailing Address

2. Generator's Phone ( ) County of Origin ( )

A. Manifest Document # 93

B. Generator's ID #'s EPA _____ STATE _____

3. Transporter 1 Company Name 4. US EPA ID Number
EMC Oil Corporation
8470 N.W. 68th Street, Miami, FL 33166 FLR000000166

C. State Transporter's ID 50230 UO

D. Transporter's Phone (305) 477-7497

5. Designated Facility Name and Site Address 6.

E. Dade County ID SW-01124
LW-00227
LW-00233

F. Facility's Phone (305) 477-7497

	HM	7. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	8. Containers No.	Type	9. Total Quantity	10. Unit Wt./Vol	G. CHARGES
a.		Petroleum Oil 3 NA 1270 PGIII (used oil)					
b.		Used Oil Filters					
c.		Petroleum Oil 3 NA 1270 PGIII (oily water)			400		
d.		Other: Specify					

H. Additional Descriptions for Materials Listed Above

IMPORTANT: Payment due upon receipt of invoice. A service charge of 1½% (18% per annum) will be charged on over 30 days past due balance in the event it shall become necessary to collect the herein above sums or any part thereof, the purchaser agrees to pay all the replaceable cost thereof.

I. Total Due

Please pay on this invoice within 15 days. Thank you.

11. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are all in respects in proper condition for transport by highway according to applicable international and national government regulations.

I also confirm that the contents of this consignment contains no hazardous materials.

Printed Typed Name | Signature | Month Day Year

TRANSPT

12. Transporter 1 Acknowledgment of Receipt of Materials

Printed Typed Name | Signature | Month Day Year

FACILTY

13. Facility Owner or Operator: Certification of receipt of waste material covered by this manifest.

Printed Typed Name | Signature | Month Day Year

Broward County #'s 532 ☐ 533 ☐ 534 ☐ 535 ☐ 536 ☐ 537 ☐

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

DO NOT MIX WITH USED OIL

Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Leaded Gasoline - Cutting Oil

CAN MIX WITH USED OIL

Motor Oil - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids

These lists are based on current information and may be expanded as more data becomes available. THANK YOU

WHITE - Original YELLOW - Transporter PINK - Transporter GOLDENROD - Generator

(305) 477-7497

EMC Oil Corporation

P.O. Box 520882 - Miami, FL 33152

(800) 344-8688

UNIFORM WASTE TRANSPORTERS MANIFEST

NO HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST

1. Generator's Name and Mailing Address Monroe County Demo ... 5700 ...	A. Manifest Document # 93...
2. Generator's Phone (305) 877-1444 County of Origin (Monroe)	B. Generator's ID #'s EPA ______ STATE ______
3. Transporter 1 Company Name EMC Oil Corporation 8470 N.W. 68th Street, Miami, FL 33166 / 4. US EPA ID Number FLR000000166	C. State Transporter's ID 50230 UO D. Transporter's Phone (305) 477-7497
5. Designated Facility Name and Site Address / 6.	E. Dade County ID SW-01124 LW-00227 LW-00233 F. Facility's Phone (305) 477-7497

GENERATOR

7. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	8. Containers No.	Type	9. Total Quantity	10. Unit Wt./Vol	G. CHARGES
a. Petroleum Oil 3 NA 1270 PGIII (used oil)						
b. Used Oil Filters						
c. Petroleum Oil 3 NA 1270 PGIII (oily water)				2000		
d. Other: Specify						

H. Additional Descriptions for Materials Listed Above	IMPORTANT: Payment due upon receipt of invoice. A service charge of 1½% (18% per annum) will be charged on over 30 days past due balance in the event it shall become necessary to collect the herein above sums or any part thereof, the purchaser agrees to pay all the replaceable cost thereof.	I. Total Due Please pay on this invoice within 15 days. Thank you.

11. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are all in respects in proper condition for transport by highway according to applicable international and national government regulations.

I also confirm that the contents of this consignment contains no hazardous materials.

Printed Typed Name: John V. Larkin — Signature: [signature] — Month Day Year: 12/05/03

TRANSPORTER

12. Transporter 1 Acknowledgment of Receipt of Materials

Printed Typed Name: George [illegible] — Signature: [signature] — Month Day Year: 12/05/03

FACILITY

13. Facility Owner or Operator: Certification of receipt of waste material covered by this manifest.

Printed Typed Name — Signature — Month Day Year

Broward County #'s 532 ☐ 533 ☐ 534 ☐ 535 ☐ 536 ☐ 537 ☐

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

DO NOT MIX WITH USED OIL

Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Leaded Gasoline - Cutting Oil

CAN MIX WITH USED OIL

Motor Oil - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids

These lists are based on current information and may be expanded as more data becomes available. THANK YOU

WHITE - Original YELLOW - Transporter PINK - Transporter GOLDENROD - Generator

WM. WASTE MANAGEMENT

NON-HAZARDOUS WASTE MANIFEST

If waste is asbestos waste, complete all Sections.
If waste is NOT asbestos waste, complete only Sections 1, 2, 3, 4 and 5.

Manifest No. WM 43

SECTION 1: GENERATOR INFORMATION (or Generator's Authorized Agent)

a) Generator's Name: MONROE COUNTY
BILL TO WM - FLORIDA KEYS
b) Generator's Address: 1100 SIMONTON ST.
KEY WEST, FL 33040
c) Generator's Representative: KEY IRON WORKS
d) Telephone Number: (305) 294-1089
e) WASTE MANAGEMENT APPROVAL CODE:
f) Common Name of Waste: C&D
g) Description of Waste: DEMOLITION FUEL TANK SOILS
h) Disposal Volume: 600 CUBIC YDS
___ Tons ___ Cubic Yards ___ Other
i) Number of Containers: 1
j) Generating Location (Name): MONROE COUNTY
k) Address: COLLEGE RD, KEY WEST, FL
l) Telephone Number (305) 296-8771
m) Asbestos ONLY - ☐ Friable; ☐ Both; ___ % friable ___ % non-friable
☐ Non-friable; ☐ N/A
n) Type of Containers: TR

TYPE OF CONTAINERS
TR - TRUCK
DM - METAL DRUM
DP - PLASTIC DRUM
BA - BAG
SB - 6 MIL. PLASTIC BAG
BC - 12 MIL. PLASTIC BAG

o) I hereby warrant that the above named material is the same material as represented on the Special Waste Disposal Application identified by the above Waste Management Code and such material was delivered to the transporter on the shipment date referenced below.

Generator's Authorized Agent Name (print/type) ____ Signature of Generator's Authorized Agent ____ Shipment Date ____

SECTION 2: TRANSPORTER INFORMATION

a) Transporter's Name: CARLOS DIAZ VALLE
b) Transporter's Address: 8973 NW 145 ST. MIAMI
c) Telephone Number: (305) 321-7109
d) Vehicle License No./State: ____
e) Trailer or Container No.: ____
f) Name of Driver (print/type) ____
g) I hereby warrant that the above named and described material was received from the generator on the date of receipt referenced below.
Signature of Driver ____ Date of Receipt ____
h) I hereby warrant that the above named and described material was delivered without incident or contamination on the date of delivery referenced below.
Signature of Driver ____ Date of Delivery ____

SECTION 3: TRANSFER FACILITY INFORMATION (Complete if applicable)

a) Transporter's Name: ____
b) Transporter's Address: ____
c) Telephone Number: ( ) ____
d) Vehicle License No./State: ____
e) Trailer or Container No.: ____
f) Name of Driver (print/type) ____
g) I hereby warrant that the above named and described material was received on the date of receipt referenced below.
Signature of Driver ____ Date of Receipt ____
h) I hereby warrant that the above named and described material was delivered on the delivery date referenced below.
Signature of Driver ____ Date of Delivery ____

a) Transfer Facility's Name: ____
b) Transfer Facility's Address: ____
c) Telephone Number: ( ) ____
d) Vehicle License No./State: ____
e) Trailer or Container No.: ____
f) Name of Transfer Facility's Authorized Agent (print/type) ____
g) I hereby warrant that the above named and described material was received from the transporter on the date of receipt referenced below.
Signature of Transfer Facility's Authorized Agent ____ Date of Receipt ____
h) I hereby warrant that the above named and described material was delivered to the transporter without incident or contamination on the date of delivery referenced below.
Signature of Transfer Facility's Authorized Agent ____ Date of Delivery ____

SECTION 4: DISPOSAL FACILITY INFORMATION

a) Disposal Facility's Name: CENTRAL LANDFILL
b) Physical Address: 7000 NW 48TH POMPANO BCH
c) Telephone Number: (954) 977-9551
d) Mailing Address: SAME
e) Name of Disposal Facility's Authorized Agent (print/type) SAME
f) The material delivered by the Transporter has been received at the Disposal Facility.
Signature of Disposal Facility's Authorized Agent ____ Date of Receipt ____
g) The material delivered by the Transporter has been rejected for disposal at the Disposal Facility.
Signature of Disposal Facility's Authorized Agent ____ Date of Rejection ____
Signature of Driver ____ Date of Rejection ____

SECTION 5: ASBESTOS (Operator to complete)

"Operator" is defined as the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.

a) Operator's Name: KEY IRON WORKS
b) Operator's Address: 5551 2ND AVE STOCK ISLAND, FL
c) Telephone Number: 305, 294-6277
f) Recommended special handling instructions and additional information: N/A

Operator's Certification: I hereby warrant and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and domestic law, regulations, ordinances, orders, rules and/or standards.

ERIC KING
Operator's Name (print/type)
Signature of Operator's Authorized Agent
10-22-03
Date

WM WASTE MANAGEMENT

NON-HAZARDOUS WASTE MANIFEST

If waste is asbestos waste, complete all Sections.
If waste is NOT asbestos waste, complete only Sections 1, 2, 3, 4 and 5.

Manifest No. WM 43

SECTION I — GENERATOR INFORMATION

a) Generator's Name: MONROE COUNTY BILL TO WM - FLORIDA KEYS
b) Generator's Address: 1100 SIMONTON ST. KEYWEST FL 33040
c) Generator's Representative: KEY IRON WORKS
d) Telephone Number: (305) 294-1088
e) WASTE MANAGEMENT APPROVAL CODE
f) Common Name of Waste: C&D
g) Description of Waste: DEMOLITION Fuel Tank/Soils
h) Disposal Volume: 62 ecolf's
1 Tons ____ Cubic Yards ____ Other ____
i) Number of Containers: 1
j) Generating Location (Name): MONROE COUNTY
k) Address: COLLEGE RD, KEYWEST, FL
l) Telephone Number: (305) 296-8717
m) Asbestos ONLY - Friable; Both; ____ % friable ____ % non-friable; Non-friable; N/A
n) Type of Containers: TR

TYPE OF CONTAINERS
TR - TRUCK
DM - METAL DRUM
DP - PLASTIC DRUM
BA - BAG
BB - 6 MIL. PLASTIC BAG
BC - 12 MIL. PLASTIC BAG

o) I hereby warrant that the above named material is the same material as represented on the Special Waste Disposal Application identified by the above Waste Management Code and such material was delivered to the transporter on the shipment date referenced below.

Generator's Authorized Agent Name (print/type) | Signature of Generator's Authorized Agent | Shipment Date

SECTION II — TRANSPORTER I

a) Transporter's Name: CARLOS DEL VALLE
b) Transporter's Address: 8973 NW 145th ST. MIAMI
c) Telephone Number: (305) 331-7109
d) Vehicle License No./State:
e) Trailer or Container No.:
f) Name of Driver (print/type)
g) I hereby warrant that the above named and described material was received from the generator on the date of receipt referenced below.

Signature of Driver | Date of Receipt

h) I hereby warrant that the above named and described material was delivered without incident or contamination on the date of delivery referenced below.

Signature of Driver | Date of Delivery

SECTION III — TRANSFER FACILITY (Complete if applicable)

a) Transfer Facility's Name:
b) Transfer Facility's Address:
c) Telephone Number: ( )
d) Vehicle License No./State:
e) Trailer or Container No.:
f) Name of Transfer Facility's Authorized Agent (print/type)
g) I hereby warrant that the above named and described material was received from the transporter on the date of receipt referenced below.

Signature of Transfer Facility's Authorized Agent | Date of Receipt

h) I hereby warrant that the above named and described material was delivered to the transporter without incident or contamination on the date of delivery referenced below.

Signature of Transfer Facility's Authorized Agent | Date of Delivery

SECTION IV — TRANSPORTER II (Complete if applicable)

a) Transporter's Name:
b) Transporter's Address:
c) Telephone Number: ( )
d) Vehicle License No./State:
e) Trailer or Container No.:
f) Name of Driver (print/type)
g) I hereby warrant that the above named and described material was received on the date of receipt referenced below.

Signature of Driver | Date of Receipt

h) I hereby warrant that the above named and described material was delivered on the delivery date referenced below.

Signature of Driver | Date of Delivery

SECTION V — DESTINATION (Disposal Facility)

a) Disposal Facility's Name: CENTRAL LANDFILL
b) Physical Address: 3200 NW 48th POMPANO BCH
c) Telephone Number: (954) 977-9551
d) Mailing Address: SAME
e) Name of Disposal Facility's Authorized Agent (print/type): SAME
f) The material delivered by the Transporter has been received at the Disposal Facility.

Signature of Disposal Facility's Authorized Agent | Date of Receipt

g) The material delivered by the Transporter has been rejected for disposal at the Disposal Facility.

Signature of Disposal Facility's Authorized Agent | Date of Rejection

Signature of Driver | Date of Rejection

SECTION VI — ASBESTOS (Complete if applicable)

"Operator" is defined as the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both.

a) Operator's Name: KEY IRON WORKS
b) Operator's Address: 5551 2ND AVE STOCK ISLAND, FL
c) Telephone Number: 305-294-0777
f) Recommended special handling instructions and additional information: N/A

Operator's Certification: I hereby warrant and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and domestic law, regulations, ordinances, orders, rules and/or standards.

ERIC KING | [signature] | 10-22-03
Operator's Name (print/type) | Signature of Operator's Authorized Agent | Date

Responsible Agency and Address:

GSM-9-39

Jupiter
Environmental Laboratories, Inc.

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clientservices@jupiterlabs.com

August 5, 2008

Jan Beernik
Nutting Environmental
1310 Neptune Drive
Boynton Beach, FL 33426

RE: LOG# 820891
Project ID: IBI GROUP
COC# 31595

Dear Jan Beernik:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, July 24, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report.

The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted.

Samples are disposed of after 30 days of their receipt by the laboratory unless archiving is requested in writing. The laboratory maintains the right to charge storage fees for archived samples.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Footnotes section of this report for NELAC certification numbers of laboratories used.

A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ann McKewin for
Kacia Baldwin
kbaldwin@jupiterlabs.com

Enclosures

FDOH# E86546

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SAMPLE ANALYTE COUNT

820891
[illegible] GROUP

Sample ID		Method	Analytes Reported
820891005	SP-1	EPA 8260B	44
820891005	SP-1	SM 2540G	1
820891006	SP-2	EPA 8260B	44
820891006	SP-2	SM 2540G	1
820891007	SP-3	EPA 8260B	44
820891007	SP-3	SM 2540G	1
820891008	4P-1	EPA 6020	8
820891008	4P-1	EPA 8082	9
820891008	4P-1	EPA 9023	1
820891008	4P-1	FL-PRO (GC)	3
820891008	4P-1	SM 2540G	1
820891009	4P-2	EPA 6020	8
820891009	4P-2	EPA 8082	9
820891009	4P-2	EPA 9023	1
820891009	4P-2	FL-PRO (GC)	3
820891009	4P-2	SM 2540G	1
820891010	4P-3	EPA 6020	8
820891010	4P-3	EPA 8082	9
820891010	4P-3	EPA 9023	1

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nelac

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SAMPLE ANALYTE COUNT

LOG# 820891
Project ID: IBI GROUP

Lab ID	Sample ID	Method	Analytes Reported
820891010	4P-3	FL-PRO (GC)	3
820891010	4P-3	SM 2540G	1

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SAMPLE SUMMARY

LOG# 820891
Project ID: IBI GROUP

Lab ID	Sample ID	Matrix	Date Collected	Date Received
820891005	SP-1	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891006	SP-2	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891007	SP-3	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891008	4P-1	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891009	4P-2	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50
820891010	4P-3	Soil/Solid	7/23/2008 00:00	7/24/2008 15:50

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891005** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-1** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002i	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891005** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-1** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	80	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	102	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	176	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	79.4	%	0.1		1			07/25/08	BFM		

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891006** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-2** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	0.00082	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891006** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-2** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	103	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	113	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	156	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	80.5	%	0.1		1			07/25/08	BFM		

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891007** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-3** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (S)			Preparation Method: EPA 5035 Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		630-20-6
1,1,1-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		71-55-6
1,1,2-Trichloroethane	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		79-00-5
1,1-Dichloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-34-3
1,1-Dichloroethene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		75-35-4
1,1-Dichloropropene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		563-58-6
1,2-DBCP	U	mg/Kg	0.005	0.002	1	07/25/08	SS	07/25/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		106-93-4
1,2-Dichlorobenzene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-50-1
1,2-Dichloroethane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		107-06-2
1,2-Dichloropropane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		78-87-5
1,3-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		541-73-1
1,3-Dichloropropane	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		142-28-9
1,4-Dichlorobenzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		106-46-7
2,2-Dichloropropane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		594-20-7
Benzene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		71-43-2
Bromochloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-97-5
Bromodichloromethane	U	mg/Kg	0.004	0.002	1	07/25/08	SS	07/25/08	SS		75-27-4
Bromoform	U	mg/Kg	0.002	0.00090	1	07/25/08	SS	07/25/08	SS		75-25-2
Bromomethane	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		74-83-9
Carbon tetrachloride	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		56-23-5
Chlorobenzene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		108-90-7
Chloroethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-00-3
Chloroform	U	mg/Kg	0.020	0.007	1	07/25/08	SS	07/25/08	SS		67-66-3
Chloromethane	U	mg/Kg	0.002	0.00060	1	07/25/08	SS	07/25/08	SS		74-87-3
Dibromochloromethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		124-48-1
Dibromomethane	U	mg/Kg	0.002	0.00080	1	07/25/08	SS	07/25/08	SS		74-95-3
cis-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-01-5
Ethylbenzene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		100-41-4
Methylene chloride	U	mg/Kg	0.010	0.005	1	07/25/08	SS	07/25/08	SS		75-09-2
Tetrachloroethene	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		127-18-4
Toluene	0.002I	mg/Kg	0.005	0.001	1	07/25/08	SS	07/25/08	SS		108-88-3
Trichloroethene	U	mg/Kg	0.002	0.00095	1	07/25/08	SS	07/25/08	SS		79-01-6
Trichlorofluoromethane	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-69-4
Vinyl chloride	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		75-01-4
cis-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-59-2
m & p-xylene	U	mg/Kg	0.004	0.00050	1	07/25/08	SS	07/25/08	SS		1330-20-7[m,p]

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891007** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **SP-3** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	mg/Kg	0.002	0.00030	1	07/25/08	SS	07/25/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.002	0.00040	1	07/25/08	SS	07/25/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	mg/Kg	0.002	0.00020	1	07/25/08	SS	07/25/08	SS		156-60-5
trans-1,3-Dichloropropene	U	mg/Kg	0.002	0.00050	1	07/25/08	SS	07/25/08	SS		10061-02-6
Dibromofluoromethane (S)	87	%	60-135		1	07/25/08	SS	07/25/08	SS		1868-53-7
Toluene d8 (S)	109	%	60-135		1	07/25/08	SS	07/25/08	SS		2037-26-5
4-Bromofluorobenzene (S)	191	%	60-135		1	07/25/08	SS	07/25/08	SS	J2	460-00-4
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	82.5	%	0.1		1			07/25/08	BFM		

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ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891008** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **4P-1** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: TOX by EPA 9023 [REF] (S)			Analytical Method: EPA 9023								
Total Organic Halides (TOX)	U	mg/Kg	29		1			08/04/08	ESC		
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	88.2	%	0.1		1			07/25/08	BFM		
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545								
			Analytical Method: FL-PRO (GC)								
Florida Pro Total	460	mg/Kg	7.83	3.91	1	07/31/08	BFM	07/31/08	FH		
o-Terphenyl (S)	70	%	50-150		1	07/31/08	BFM	07/31/08	FH		84-15-1
n-Triacontane-d62 (S)	78	%	50-150		1	07/31/08	BFM	07/31/08	FH		93952-07-9
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)			Preparation Method: EPA 3050B								
			Analytical Method: EPA 6020								
Chromium	6.5	mg/Kg	0.21	0.10	1	07/25/08	ZS	07/25/08	ZS		7440-47-3
Arsenic	1.5	mg/Kg	0.16	0.078	1	07/25/08	ZS	07/25/08	ZS		7440-38-2
Selenium	U	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7782-49-2
Silver	U	mg/Kg	0.20	0.10	1	07/25/08	ZS	07/25/08	ZS		7440-22-4
Cadmium	U	mg/Kg	0.32	0.16	1	07/25/08	ZS	07/25/08	ZS		7440-43-9
Barium	55	mg/Kg	0.32	0.16	1	07/25/08	ZS	07/25/08	ZS		7440-39-3
Mercury	U	mg/Kg	0.32	0.16	1	07/25/08	ZS	07/25/08	ZS		7439-97-6
Lead	7.3	mg/Kg	0.14	0.071	1	07/25/08	ZS	07/25/08	ZS		7439-92-1
Analysis Desc: EPA 8082 PCBs (S)			Preparation Method: EPA 3545								
			Analytical Method: EPA 8082								
Tetrachloro-m-xylene (S)	51.3	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	877-09-8
Decachlorobiphenyl (S)	42.6	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	2051-24-3
Aroclor 1016	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		12674-11-2
Aroclor 1221	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11104-28-2
Aroclor 1232	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11141-16-5
Aroclor 1242	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		53469-21-9
Aroclor 1248	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		12672-29-6
Aroclor 1254	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11097-69-1
Aroclor 1260	U	ug/Kg	2.8	0.568	1	07/25/08	BFM	07/25/08	FH		11096-82-5

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Fax: (561)575-4118

ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891009** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **4P-2** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: TOX by EPA 9023 [REF] (S)			Analytical Method: EPA 9023								
Total Organic Halides (TOX)	U	mg/Kg	38		1			08/04/08	ESC	J,P1	
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	78.2	%	0.1		1			07/25/08	BFM		
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545								
			Analytical Method: FL-PRO (GC)								
Florida Pro Total	667	mg/Kg	28.8	14.4	5	07/31/08	BFM	08/01/08	FH		
o-Terphenyl (S)	64	%	50-150		5	07/31/08	BFM	08/01/08	FH		84-15-1
n-Triacontane-d62 (S)	86	%	50-150		5	07/31/08	BFM	08/01/08	FH		93952-07-9
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)			Preparation Method: EPA 3050B								
			Analytical Method: EPA 6020								
Chromium	3.2	mg/Kg	0.24	0.12	1	07/25/08	ZS	07/25/08	ZS		7440-47-3
Arsenic	0.75	mg/Kg	0.18	0.088	1	07/25/08	ZS	07/25/08	ZS		7440-38-2
Selenium	U	mg/Kg	0.41	0.20	1	07/25/08	ZS	07/25/08	ZS		7782-49-2
Silver	U	mg/Kg	0.23	0.11	1	07/25/08	ZS	07/25/08	ZS		7440-22-4
Cadmium	U	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7440-43-9
Barium	13	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7440-39-3
Mercury	U	mg/Kg	0.36	0.18	1	07/25/08	ZS	07/25/08	ZS		7439-97-6
Lead	4.0	mg/Kg	0.16	0.081	1	07/25/08	ZS	07/25/08	ZS		7439-92-1
Analysis Desc: EPA 8082 PCBs (S)			Preparation Method: EPA 3545								
			Analytical Method: EPA 8082								
Tetrachloro-m-xylene (S)	44.9	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	877-09-8
Decachlorobiphenyl (S)	34.6	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	2051-24-3
Aroclor 1016	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		12674-11-2
Aroclor 1221	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11104-28-2
Aroclor 1232	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11141-16-5
Aroclor 1242	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		53469-21-9
Aroclor 1248	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		12672-29-6
Aroclor 1254	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11097-69-1
Aroclor 1260	U	ug/Kg	3.2	0.641	1	07/25/08	BFM	07/25/08	FH		11096-82-5

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Fax: (561)575-4118

ANALYTICAL RESULTS

LOG# 820891
Project ID: IBI GROUP

Lab ID: **820891010** Date Received: 7/24/2008 Matrix: Soil/Solid
Sample ID: **4P-3** Date Collected: 7/23/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Analysis Desc: TOX by EPA 9023 [REF] (S)			Analytical Method: EPA 9023								
Total Organic Halides (TOX)	U	mg/Kg	40		1			08/04/08	ESC	J	
Wet Chemistry											
Analysis Desc: 2540G Percent Solids (Dryweight)			Analytical Method: SM 2540G								
Percent Solids (Dryweight)	83.2	%	0.1		1			07/25/08	BFM		
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (S)			Preparation Method: EPA 3545								
			Analytical Method: FL-PRO (GC)								
Florida Pro Total	881	mg/Kg	27.1	13.6	5	07/31/08	BFM	08/01/08	FH		
o-Terphenyl (S)	59	%	50-150		5	07/31/08	BFM	08/01/08	FH		84-15-1
n-Triacontane-d62 (S)	72	%	50-150		5	07/31/08	BFM	08/01/08	FH		93952-07-9
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)			Preparation Method: EPA 3050B								
			Analytical Method: EPA 6020								
Chromium	9.9	mg/Kg	0.22	0.11	1	07/25/08	ZS	07/25/08	ZS		7440-47-3
Arsenic	0.98	mg/Kg	0.17	0.083	1	07/25/08	ZS	07/25/08	ZS		7440-38-2
Selenium	U	mg/Kg	0.38	0.19	1	07/25/08	ZS	07/25/08	ZS		7782-49-2
Silver	U	mg/Kg	0.21	0.11	1	07/25/08	ZS	07/25/08	ZS		7440-22-4
Cadmium	U	mg/Kg	0.34	0.17	1	07/25/08	ZS	07/25/08	ZS		7440-43-9
Barium	16	mg/Kg	0.34	0.17	1	07/25/08	ZS	07/25/08	ZS		7440-39-3
Mercury	U	mg/Kg	0.34	0.17	1	07/25/08	ZS	07/25/08	ZS		7439-97-6
Lead	19	mg/Kg	0.15	0.076	1	07/25/08	ZS	07/25/08	ZS	J4	7439-92-1
Analysis Desc: EPA 8082 PCBs (S)			Preparation Method: EPA 3545								
			Analytical Method: EPA 8082								
Tetrachloro-m-xylene (S)	43.6	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	877-09-8
Decachlorobiphenyl (S)	53	%	60-130		1	07/25/08	BFM	07/25/08	FH	J2	2051-24-3
Aroclor 1016	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		12674-11-2
Aroclor 1221	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11104-28-2
Aroclor 1232	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11141-16-5
Aroclor 1242	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		53469-21-9
Aroclor 1248	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		12672-29-6
Aroclor 1254	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11097-69-1
Aroclor 1260	U	ug/Kg	3.0	0.602	1	07/25/08	BFM	07/25/08	FH		11096-82-5

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ANALYTICAL RESULTS QUALIFIERS

LOG# 820891
Project ID: IBI GROUP

PARAMETER QUALIFIERS

J	Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits were exceeded due to matrix interference.
J4	MS/MSD recovery exceeded control limits due to matrix interference. LCS/LCSD recovery was within acceptable range.
L	Off-scale high. Reported value is above the calibration range.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

PROJECT COMMENTS

820891	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit. Report Limit = PQL

SAMPLE COMMENTS

820891003	Large backend
820891005	Large backend
820891006	Large backend
820891007	Large backend

SUBCONTRACTOR NELAC CERTIFICATION

820891	ESC = E87487

FDOH# E86546

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Chain of Custody Record

BAR CODE

LAB USE ONLY

J.E.L. Log # 820891

P.O. # _____

Quote# _____

Jupiter Environmental Laboratories

Company Name: Nutting Envro

Address: ~~3142~~ 1310 Neptune Dr

City: B. B State: FL Zip: 33426

Sampling Site Address: 5100 College Rd. Key West

Attn: Jan Beernink Fax/Email

Project Name: IBI GROUP Project #

Sampler Name/Signature: [signature]

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Press. Codes	Parameters: VOA / VOH	PCBs	8 RCRA	TOX	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
5	SP-1						X						
6	SP-2						X						
7	SP-3						X						
8	~~5~~P-1							X	X	X			
9	4P-2							X	X	X			
10	4P-3							X	X	X			

ORIGINAL

Matrix Codes*

S	Soil/Solid Sediment	SW	Surface Water
GW	Ground Water	SL	Sludge
WW	Waste Water	O	Other (Please Specify)
DW	Drinking Water		

Pres Codes**

A- none		I- ice	
B- HNO_3		O- Other	
C- H_2SO_4		M- MeOH	
D- NaOH			
E- HCl			

Relinquished by	Date	Time	Received by	Date	Time
[signature]	7-24-08	14:20	[signature]	7-24-08	1420
[signature]	7/24	15:50	Diane Shoemaker	7/24/08	1550

QA/QC level with report

None ___ 1 ___ 2 ___ 3 ___ See price guide for applicable fees

T.A.T. Request: ___ Standard ___ Rush

FDEP ___ SFWMD ___ Date Required _____

Temp Control: ___ °C

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C.O.C.# 31595

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September 5, 2008

Jan Beernik
Nutting Environmental
1310 Neptune Drive
Boynton Beach, FL 33426

RE: LOG# 821070
Project ID: IBI GROUP
COC# 21070

Dear Jan Beernik:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, August 28, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report.

The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted.

Samples are disposed of after 30 days of their receipt by the laboratory unless archiving is requested in writing. The laboratory maintains the right to charge storage fees for archived samples.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Footnotes section of this report for NELAC certification numbers of laboratories used.

A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Erin Forsythe

Erin Forsythe for
Kacia Baldwin
kbaldwin@jupiterlabs.com

Enclosures

FDOH# E86546

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SAMPLE ANALYTE COUNT

LOG# 821070
Project ID: IBI GROUP

Lab ID	Sample ID	Method	Analytes Reported
821070001	MW-1	EPA 200.8 (Total)	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3
821070002	MW-2	EPA 200.8 (Total)	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3
821070003	MW-3	EPA 200.8 (Total)	1
		EPA 8260B	44
		EPA 8260B (EDB List)	5
		EPA 8310 List by 8270C SIM	21
		FL-PRO (GC)	3

FDOH# E86546
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SAMPLE SUMMARY

LOG# 821070
Project ID: IBI GROUP

Lab ID	Sample ID	Matrix	Date Collected	Date Received
821070001	MW-1	Aqueous Liquid	8/27/2008 10:25	8/28/2008 15:52
821070002	MW-2	Aqueous Liquid	8/27/2008 11:21	8/28/2008 15:52
821070003	MW-3	Aqueous Liquid	8/27/2008 12:02	8/28/2008 15:52

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070001** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W)			Preparation Method: EPA 5030B Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	08/29/08	SS	08/29/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	08/29/08	SS	08/29/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	08/29/08	SS	08/29/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	08/29/08	SS	08/29/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	08/29/08	SS	08/29/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	08/29/08	SS	08/29/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		594-20-7
Benzene	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	08/29/08	SS	08/29/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	08/29/08	SS	08/29/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	08/29/08	SS	08/29/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	08/29/08	SS	08/29/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	08/29/08	SS	08/29/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	08/29/08	SS	08/29/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	08/29/08	SS	08/29/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	08/29/08	SS	08/29/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	08/29/08	SS	08/29/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070001** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	08/29/08	SS	08/29/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		10061-02-6
Dibromofluoromethane (S)	100	%	70-130		1	08/29/08	SS	08/29/08	SS		1868-53-7
Toluene d8 (S)	99	%	70-130		1	08/29/08	SS	08/29/08	SS		2037-26-5
4-Bromofluorobenzene (S)	82	%	70-130		1	08/29/08	SS	08/29/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W)	Preparation Method: EPA 3510C SIM Analytical Method: EPA 8310 List by 8270C SIM								
1-Methylnaphthalene	10.2	ug/L	0.060	0.030	1	09/02/08	BFM	09/03/08	FH		90-12-0
2-Methylnaphthalene	1.70	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		91-57-6
Acenaphthene	0.960	ug/L	0.034	0.017	1	09/02/08	BFM	09/03/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/02/08	BFM	09/03/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/02/08	BFM	09/03/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/02/08	BFM	09/03/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		206-44-0
Fluorene	2.15	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/02/08	BFM	09/03/08	FH		193-39-5
Naphthalene	2.55	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		91-20-3
Phenanthrene	0.445	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		129-00-0
Nitrobenzene-d5 (S)	71	%	30-110		1	09/02/08	BFM	09/03/08	FH		4165-60-0
2-Fluorobiphenyl (S)	61	%	30-110		1	09/02/08	BFM	09/03/08	FH		321-60-8
p-Terphenyl-d14 (S)	92	%	30-140		1	09/02/08	BFM	09/03/08	FH		1718-51-0

Analysis Desc: EPA 8260B EDB/DBCP Scan (W)	Preparation Method: EPA 5030B Analytical Method: EPA 8260B (EDB List)								
1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	70	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	79	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	117	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070001** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-1** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (W) Preparation Method: EPA 3510C Analytical Method: FLPRO(GC)											
Florida Pro Total	527	ug/L	80.0	45.0	1	09/02/08	BFM	09/02/08	FH		
o-Terphenyl (S)	30	%	50-150		1	09/02/08	BFM	09/02/08	FH	J2	84-15-1
n-Triacontane-d62 (S)	43	%	50-150		1	09/02/08	BFM	09/02/08	FH	J2	93952-07-9
Analysis Desc: EPA 200.8 Metals (W) Preparation Method: EPA 200.2 mod Analytical Method: EPA 200.8 (total)											
Lead	U	ug/L	2.0	0.12	1	08/29/08	ZS	08/29/08	ZS		7439-92-1

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070002** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 8/27/2008 11:21

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W)			Preparation Method: EPA 5030B Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	08/29/08	SS	08/29/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	08/29/08	SS	08/29/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	08/29/08	SS	08/29/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	08/29/08	SS	08/29/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	08/29/08	SS	08/29/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	08/29/08	SS	08/29/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		594-20-7
Benzene	1.48	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	08/29/08	SS	08/29/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	08/29/08	SS	08/29/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	08/29/08	SS	08/29/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	08/29/08	SS	08/29/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	08/29/08	SS	08/29/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	08/29/08	SS	08/29/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	08/29/08	SS	08/29/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	08/29/08	SS	08/29/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	08/29/08	SS	08/29/08	SS		1330-20-7[m,p]

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070002** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 8/27/2008 11:21

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	08/29/08	SS	08/29/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		10061-02-6
Dibromofluoromethane (S)	93	%	70-130		1	08/29/08	SS	08/29/08	SS		1868-53-7
Toluene d8 (S)	101	%	70-130		1	08/29/08	SS	08/29/08	SS		2037-26-5
4-Bromofluorobenzene (S)	85	%	70-130		1	08/29/08	SS	08/29/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W) — Preparation Method: EPA 3510C SIM — Analytical Method: EPA 8310 List by 8270C SIM

1-Methylnaphthalene	50.9	ug/L	0.060	0.030	1	09/02/08	BFM	09/03/08	FH		90-12-0
2-Methylnaphthalene	67.3	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		91-57-6
Acenaphthene	0.925	ug/L	0.034	0.017	1	09/02/08	BFM	09/03/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/02/08	BFM	09/03/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/02/08	BFM	09/03/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/02/08	BFM	09/03/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		206-44-0
Fluorene	2.64	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/02/08	BFM	09/03/08	FH		193-39-5
Naphthalene	100.0	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		91-20-3
Phenanthrene	2.76	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		129-00-0
Nitrobenzene-d5 (S)	72	%	30-110		1	09/02/08	BFM	09/03/08	FH		4165-60-0
2-Fluorobiphenyl (S)	29	%	30-110		1	09/02/08	BFM	09/03/08	FH	J2	321-60-8
p-Terphenyl-d14 (S)	66	%	30-140		1	09/02/08	BFM	09/03/08	FH		1718-51-0

Analysis Desc: EPA 8260B EDB/DBCP Scan (W) — Preparation Method: EPA 5030B — Analytical Method: EPA 8260B (EDB List)

1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	71	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	82	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	105	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4

FDOH# E86546

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Fax: (561)575-4118

ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070002** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-2** Date Collected: 8/27/2008 11:21

Parameters	Results	Units	Report Limit	MDL	DF Prepared	By	Analyzed	By	Qual	CAS
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (W) Preparation Method: EPA 3510C Analytical Method: FL-PRO(dc)										
Florida Pro Total	6630	ug/L	400	225	5 09/02/08	BFM	09/03/08	FH		
o-Terphenyl (S)	39	%	50-150		5 09/02/08	BFM	09/03/08	FH	J2d	84-15-1
n-Triacontane-d62 (S)	79	%	50-150		5 09/02/08	BFM	09/03/08	FH		93952-07-9
Analysis Desc: EPA 200.8 Metals (W) Preparation Method: EPA 200.2 mod Analytical Method: EPA 200.8(dc)										
Lead	U	ug/L	2.0	0.12	1 08/29/08	ZS	08/29/08	ZS		7439-92-1

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070003** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Volatiles by EPA 8260B GC/MS											
Analysis Desc: EPA 8021 Scan by 8260B (W) Preparation Method: EPA 5030B Analytical Method: EPA 8260B											
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		630-20-6
1,1,1-Trichloroethane	U	ug/L	1.00	0.410	1	08/29/08	SS	08/29/08	SS		71-55-6
1,1,2-Trichloroethane	U	ug/L	1.00	0.500	1	08/29/08	SS	08/29/08	SS		79-00-5
1,1-Dichloroethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		75-34-3
1,1-Dichloroethene	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		75-35-4
1,1-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		563-58-6
1,2-DBCP	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		106-93-4
1,2-Dichlorobenzene	U	ug/L	1.00	0.380	1	08/29/08	SS	08/29/08	SS		95-50-1
1,2-Dichloroethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		107-06-2
1,2-Dichloropropane	U	ug/L	1.00	0.340	1	08/29/08	SS	08/29/08	SS		78-87-5
1,3-Dichlorobenzene	U	ug/L	1.00	0.360	1	08/29/08	SS	08/29/08	SS		541-73-1
1,3-Dichloropropane	U	ug/L	1.00	0.300	1	08/29/08	SS	08/29/08	SS		142-28-9
1,4-Dichlorobenzene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		106-46-7
2,2-Dichloropropane	U	ug/L	1.00	0.200	1	08/29/08	SS	08/29/08	SS		594-20-7
Benzene	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		71-43-2
Bromochloromethane	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		74-97-5
Bromodichloromethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		75-27-4
Bromoform	U	ug/L	1.00	0.370	1	08/29/08	SS	08/29/08	SS		75-25-2
Bromomethane	U	ug/L	1.00	0.290	1	08/29/08	SS	08/29/08	SS		74-83-9
Carbon tetrachloride	U	ug/L	1.00	0.260	1	08/29/08	SS	08/29/08	SS		56-23-5
Chlorobenzene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		108-90-7
Chloroethane	U	ug/L	1.00	0.700	1	08/29/08	SS	08/29/08	SS		75-00-3
Chloroform	U	ug/L	1.00	0.510	1	08/29/08	SS	08/29/08	SS		67-66-3
Chloromethane	U	ug/L	1.00	0.540	1	08/29/08	SS	08/29/08	SS		74-87-3
Dibromochloromethane	U	ug/L	1.00	0.390	1	08/29/08	SS	08/29/08	SS		124-48-1
Dibromomethane	U	ug/L	1.00	0.350	1	08/29/08	SS	08/29/08	SS		74-95-3
cis-1,3-Dichloropropene	U	ug/L	1.00	0.250	1	08/29/08	SS	08/29/08	SS		10061-01-5
Ethylbenzene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		100-41-4
Methylene chloride	U	ug/L	4.00	2.00	1	08/29/08	SS	08/29/08	SS		75-09-2
Tetrachloroethene	U	ug/L	1.00	0.520	1	08/29/08	SS	08/29/08	SS		127-18-4
Toluene	U	ug/L	1.00	0.470	1	08/29/08	SS	08/29/08	SS		108-88-3
Trichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		79-01-6
Trichlorofluoromethane	U	ug/L	1.00	0.690	1	08/29/08	SS	08/29/08	SS		75-69-4
Vinyl chloride	U	ug/L	1.00	0.620	1	08/29/08	SS	08/29/08	SS		75-01-4
cis-1,2-Dichloroethene	U	ug/L	1.00	0.420	1	08/29/08	SS	08/29/08	SS		156-59-2
m & p-xylene	U	ug/L	2.00	0.310	1	08/29/08	SS	08/29/08	SS		1330-20-7[m,p]

FDOH# E86546

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Fax: (561)575-4118

ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070003** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
o-Xylene	U	ug/L	1.00	0.670	1	08/29/08	SS	08/29/08	SS		95-47-6
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		1634-04-4
trans-1,2-Dichloroethene	U	ug/L	1.00	0.450	1	08/29/08	SS	08/29/08	SS		156-60-5
trans-1,3-Dichloropropene	U	ug/L	1.00	0.440	1	08/29/08	SS	08/29/08	SS		10061-02-6
Dibromofluoromethane (S)	102	%	70-130		1	08/29/08	SS	08/29/08	SS		1868-53-7
Toluene d8 (S)	99	%	70-130		1	08/29/08	SS	08/29/08	SS		2037-26-5
4-Bromofluorobenzene (S)	83	%	70-130		1	08/29/08	SS	08/29/08	SS		460-00-4

Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270C SIM (W) — Preparation Method: EPA 3510C SIM — Analytical Method: EPA 8310 (UHPLC) by 8270C SIM

1-Methylnaphthalene	1.57	ug/L	0.060	0.030	1	09/02/08	BFM	09/03/08	FH		90-12-0
2-Methylnaphthalene	2.21	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		91-57-6
Acenaphthene	0.075	ug/L	0.034	0.017	1	09/02/08	BFM	09/03/08	FH		83-32-9
Acenaphthylene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		208-96-8
Anthracene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		120-12-7
Benzo(a)anthracene	U	ug/L	0.052	0.026	1	09/02/08	BFM	09/03/08	FH		56-55-3
Benzo(a)pyrene	U	ug/L	0.032	0.016	1	09/02/08	BFM	09/03/08	FH		50-32-8
Benzo(b)fluoranthene	U	ug/L	0.025	0.013	1	09/02/08	BFM	09/03/08	FH		205-99-2
Benzo(g,h,i)perylene	U	ug/L	0.038	0.019	1	09/02/08	BFM	09/03/08	FH		191-24-2
Benzo(k)fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		207-08-9
Chrysene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		218-01-9
Dibenzo(a,h)anthracene	U	ug/L	0.020	0.010	1	09/02/08	BFM	09/03/08	FH		53-70-3
Fluoranthene	U	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		206-44-0
Fluorene	0.075	ug/L	0.044	0.022	1	09/02/08	BFM	09/03/08	FH		86-73-7
Indeno(1,2,3-cd)pyrene	U	ug/L	0.048	0.024	1	09/02/08	BFM	09/03/08	FH		193-39-5
Naphthalene	1.51	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		91-20-3
Phenanthrene	0.050	ug/L	0.040	0.020	1	09/02/08	BFM	09/03/08	FH		85-01-8
Pyrene	U	ug/L	0.056	0.028	1	09/02/08	BFM	09/03/08	FH		129-00-0
Nitrobenzene-d5 (S)	69	%	30-110		1	09/02/08	BFM	09/03/08	FH		4165-60-0
2-Fluorobiphenyl (S)	55	%	30-110		1	09/02/08	BFM	09/03/08	FH		321-60-8
p-Terphenyl-d14 (S)	78	%	30-140		1	09/02/08	BFM	09/03/08	FH		1718-51-0

Analysis Desc: EPA 8260B EDB/DBCP Scan (W) — Preparation Method: EPA 5030B — Analytical Method: EPA 8260B (EDB List)

1,2-DBCP	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		96-12-8
1,2-Dibromoethane (EDB)	U	ug/L	0.020	0.010	1	09/03/08	SS	09/03/08	SS		106-93-4
Dibromofluoromethane (S)	73	%	60-140		1	09/03/08	SS	09/03/08	SS		1868-53-7
Toluene d8 (S)	80	%	60-140		1	09/03/08	SS	09/03/08	SS		2037-26-5
4-Bromofluorobenzene (S)	93	%	60-140		1	09/03/08	SS	09/03/08	SS		460-00-4

FDOH# E86546

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ANALYTICAL RESULTS

LOG# 821070
Project ID: IBI GROUP

Lab ID: **821070003** Date Received: 8/28/2008 Matrix: Aqueous Liquid
Sample ID: **MW-3** Date Collected: 8/27/2008

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	By	Analyzed	By	Qual	CAS
Semivolatiles by GC											
Analysis Desc: Florida PRO by GC (W)			Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)								
Florida Pro Total	463	ug/L	80.0	45.0	1	09/02/08	BFM	09/03/08	FH		
o-Terphenyl (S)	70	%	50-150		1	09/02/08	BFM	09/03/08	FH		84-15-1
n-Triacontane-d62 (S)	80	%	50-150		1	09/02/08	BFM	09/03/08	FH		93952-07-9
Analysis Desc: EPA 200.8 Metals (W)			Preparation Method: EPA 200.2 mod Analytical Method: EPA 200.8 (total)								
Lead	0.28	I ug/L	2.0	0.12	1	08/29/08	ZS	08/29/08	ZS		7439-92-1

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ANALYTICAL RESULTS QUALIFIERS

LOG# 821070
Project ID: IBI GROUP

PARAMETER QUALIFIERS

J2	Surrogate recovery limits were exceeded due to matrix interference.
J2d	Surrogate recovery limits were exceeded due to matrix required sample dilution.

PROJECT COMMENTS

821070	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "I" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit. Report Limit = PQL

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CHAIN OF CUSTODY RECORD

PAGE: 1 OF 1

Company Name: Nutting Enviro.
ADDRESS: 1310 Neptune Dr, Boynton Beach, FL. 33426
CITY: Boynton Beach
TEL: 561-736-4900 FAX: E-MAIL: JanB@nef.cc

CLIENT PROJECT NAME / NUMBER: IBI Group
Project contact: Jan Beernink
SAMPLER(S): (SIGNATURE) Tony Ruiz
P.O. NO.: 821070
QUOTE NO.:
LOG #

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☒ 3 DAYS

SPECIAL REQUIREMENTS: ☐ SFWMD ☐ FDEP ☐ QAQC Level 1 2 3 see price list for fees

SPECIAL INSTRUCTIONS

Temp Control: 4 C

Matrix Codes: s-soil; GW- Groundwater; DW- Drinking water; o - Other

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	VOA/VOH/EDB	PAH's	TRPH	Lead
1	MW-1		08/27/08	10:25	Ground	6	x	x	x	x
2	MW-2		08/27/08	11:21	Ground	6	x	x	x	x
3	MW-3		08/27/08	12:02	Ground	6	x	x	x	x
4										
5										
6										
7										
8										
9										
0										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Ruiz Tony Ruiz		8/28/08	1450
	Diane Shoemaker	8/28/08	1552
		Date:	Time:
		Date:	Time:

E-mail: clientservices@jupiterlabs.com

Preservation Codes: *C=Chilled S=Sulfuric acid N=Nitric acid H=Hydrochloric acid O=Other (fill in)

*ALL SAMPLES MUST BE ON ICE EXCEPT ultra-trace Hg

Please print name of samplers here:

821070

Login Checklist

Cooler Unpacked/Checked by: Diane Shoe Date: 8/28/08

Project ID: 821070

Cooler Check

Cooler ID	Cooler Temp (C)	# of Samples in Cooler	*Tracking #	Evidence Tape			
				Present?		Intact?	
				Yes	No	Yes	No
	4	3					

Note: if the temperature of a cooler is above 6C or an evidence seal is damaged then identify the bottles in the affected cooler(s) on the sample discrepancy form.
*Write tracking number only if waybill copy cannot be placed in the folder

Condition of Containers:

Loose Caps: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Broken Containers: Yes_____ No ✓
If yes, fill out sample discrepancy form.

Acid Preserved Samples: Are their pHs </=2 ?Yes ✓ No_____ N/A_____
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Base Preserved Samples: Are their pHs >/=12 or 9 ?Yes_____ No_____ N/A ✓
(Cyanide >/= 12; Sulfide >/=9)
If no, fill out sample discrepancy form and check unpreserved containers with same Field ID.

Are all samples in cooler on COC?: Yes ✓ No_____
If no, fill out sample discrepancy form.

Are all samples on COC in cooler?: Yes ✓ No_____
If no, fill out sample discrepancy form.

N/A = not Applicable

Condition #16

IBI GROUP

May 16, 2008

Amy Kimball-Murley, AICP
Planning Director
Key West Planning Department
PO Box 1409
Key West, Florida
33041-1409

Dear Mrs. Kimball-Murley:

Condition #16 – Approval of Boardwalk Pilings by Arborist

The Key West Botanical Garden Society, Inc. and its consultants pledge to abide by the terms of condition of approval #16 which reads:

"Phase I site feature construction will not adversely impact the environment within the drip lines of existing trees. Boardwalk footers can be field adjusted as approved by an ISA certified arborist in field; however, one inch or larger roots systems will be avoided."

The contractor has been made aware of this requirement.

Respectfully,

James C. Taylor, AICP
Planner
IBI Group

1519 Main Street, Sarasota, Florida 34236 USA (941) 954-1718 FAX (941) 954-0231
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