

Memorandum

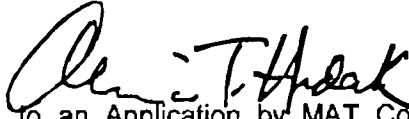
MIAMI-DADE
COUNTY

Date: July 7, 2011

To: Honorable Chairman Joe A. Martinez
and Members, Board of County Commissioners

Agenda Item No. 5(C)

From: Alina T. Hudak
County Manager



Subject: Resolution Relating to an Application by MAT Concessionaire, LLC and the Florida Department of Transportation for a Class I Permit for the Grouting of Subsurface Layers below Government Cut Channel between Watson Island and Dodge Island in Association with the Construction of the Port of Miami Tunnel

Attached, please find for your consideration an application by MAT Concessionaire, LLC and the Florida Department of Transportation for a Class I permit. Also attached is the recommendation of the Department of Environmental Resources Management and a proposed resolution approving the issuance of the Class I permit.


Assistant County Manager

Memorandum



Date: June 8, 2011

To: Alina T. Hudak
County Manager

From: Lee N. Hefty, Assistant Director
Department of Environmental Resources Management

Subject: Resolution Relating to an Application by MAT Concessionaire, LLC and the Florida Department of Transportation for a Class I Permit for the Grouting of Subsurface Layers Below Government Cut Channel between Watson Island and Dodge Island in Association with the Construction of the Port of Miami Tunnel

Recommendation

I have reviewed the Class I permit application submitted by MAT Concessionaire, LLC and the Florida Department of Transportation. Based upon the applicable evaluation factors set forth in Section 24-48.3 of the Code of Miami-Dade County (Code), Florida, I recommend that the Board of County Commissioners (Board) approve the issuance of a Class I permit for the reasons set forth below.

Scope

The project site is located between Watson Island and Dodge Island, within Government Cut in Biscayne Bay, in Commissioner Barreiro's District 5.

Fiscal Impact/Funding Source

Not applicable.

Track Record/Monitor

Not applicable.

Background

The subject Class I permit application requests authorization for the work associated with the grouting of subsurface rock layers below Government Cut Channel between Watson Island and Dodge Island in association with the construction of the Port of Miami Tunnel in the City of Miami, Miami-Dade County. The proposed project is required to be reviewed and approved by the Board at a public hearing because the scope of work is not specifically referenced in Section 24-48.2 of the Code as work that can be processed administratively with a short form application. Therefore, a standard form application including a public hearing is required.

The Port of Miami Tunnel and Access Improvement Project includes the construction of twin tunnels beneath Government Cut Channel to provide a direct access link between the Port of Miami and MacArthur Causeway (I-395) on Watson Island. The tunnels will be excavated using a 40-foot diameter tunnel boring machine to cut through the earth along the path of the tunnel. During the pre-construction assessment phase, the applicants conducted geotechnical investigations of the conditions of the subsurface rock layers where the tunnels are proposed to be bored. The tests determined that subsurface formation grouting will be required in areas within the proposed tunnel route in order to provide the necessary stability for the tunnel construction.

The work will consist of drilling vertical holes between 40 and 80 feet below the bottom of Government Cut Channel and injecting them with grout. A total of 914 grouting holes will be bored, which will result in temporary impacts to 3,765 square feet of Government Cut Channel bottom. The drilling and grouting operations will use double cased drilling tubes, which will remove the drill cuttings from each drill hole and minimize the release of drilling fluids or grout to tidal waters. Once the drilling is complete, the drill holes will be backfilled with grout up to the original level of the channel bed, and any void at the top of each hole will be filled with clean limestone to restore the channel to its original elevation. The effectiveness of

the formation grouting operation will be verified through the drilling of control boreholes which will result in a total of 98 square feet of temporary impacts to the channel bottom. The same construction and channel bed restoration methodologies will be employed for the boreholes. The proposed work will occur on submerged lands owned by the City of Miami, which has authorized the proposed work by signing the Class 1 Permit Application ((Attachment A).

Pursuant to Section 24-48.4 of the Code, potential and cumulative adverse environmental impacts for a proposed project must be avoided and minimized. A thorough in-water bay bottom (benthic) survey revealed that there are no significant resources within the footprint of the proposed work. As stated above, the drilling and grouting will be conducted with double cased drilling tubes to minimize the potential for the release of drilling fluids or grout to tidal waters. Therefore, no mitigation is required for the minimal adverse environmental impacts expected under this project.

The proposed project is not located within an area identified by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential manatee habitat for the West Indian Manatee (*Trichechus manatus*). However, the Class I permit will require that all standard manatee conditions be followed during all construction operations.

The proposed project has been designed in accordance with all relevant Miami-Dade County coastal and wetland construction criteria and is consistent with all other Miami-Dade County coastal and wetland protection provisions. Please find attached a DERM Project Report which sets forth the reasons the proposed project is recommended for approval by DERM pursuant to the applicable evaluation factors set forth in Section 24-48.3 of the Code. The conditions, limitations, and restrictions set forth in the Project Report attached hereto are incorporated herein by references hereto.

Attachments

- Attachment A: Class I Permit Application
- Attachment B: Owner/Agent Letter, Engineer Certification Letter and Project Sketches
- Attachment C: Zoning Memorandum
- Attachment D: Names and Addresses of Owners of All Riparian Property within Three Hundred (300) Feet of the Proposed Work
- Attachment E: DERM Project Report



MEMORANDUM

(Revised)

TO: Honorable Chairman Joe A. Martinez
and Members, Board of County Commissioners

DATE: July 7, 2011

FROM: R. A. Cuevas, Jr.
County Attorney

SUBJECT: Agenda Item No. 5(C)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☒ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous ____) to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 5(C)
7-7-11

RESOLUTION NO. _____

RESOLUTION RELATING TO AN APPLICATION BY
MAT CONCESSIONAIRE, LLC AND THE FLORIDA
DEPARTMENT OF TRANSPORTATION FOR A CLASS I
PERMIT FOR THE GROUTING OF SUBSURFACE
LAYERS BELOW GOVERNMENT CUT CHANNEL
BETWEEN WATSON ISLAND AND DODGE ISLAND IN
ASSOCIATION WITH THE CONSTRUCTION OF THE
PORT OF MIAMI TUNNEL, MIAMI, MIAMI-DADE
COUNTY, FLORIDA

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board having considered all the applicable factors contained within Section 24-48.3 of the Code of Miami-Dade County, hereby approves the application by MAT Concessionaire, LLC and the Florida Department of Transportation for a Class I permit for the grouting of subsurface layers below Government Cut Channel between Watson Island and Dodge Island in association with the construction of the Port of Miami Tunnel, Miami, Miami-Dade County, Florida, subject to the conditions set forth in the memorandum from the Miami-Dade County Department of Environmental Resources Management, a copy of which is attached hereto and made a part hereof. The issuance of this approval does not relieve the applicant from obtaining all applicable Federal, State, and local permits.

The foregoing resolution was offered by Commissioner ,
who moved its adoption. The motion was seconded by Commissioner
and upon being put to a vote, the vote was as follows:

Joe A. Martinez, Chairman	
Audrey M. Edmonson, Vice Chairwoman	
Bruno A. Barreiro	Lynda Bell
Esteban L. Bovo, Jr.	Jose "Pepe" Diaz
Sally A. Heyman	Barbara J. Jordan
Jean Monestime	Dennis C. Moss
Rebeca Sosa	Sen. Javier D. Souto
Xavier L. Suarez	

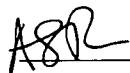
The Chairperson thereupon declared the resolution duly passed and adopted this 7th day of July, 2011. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Abbie Schwaderer-Raurell

NOTICE OF PUBLIC HEARING ON AN APPLICATION BY MAT
CONCESSIONAIRE, LLC AND THE FLORIDA DEPARTMENT
OF TRANSPORTATION FOR A CLASS I PERMIT FOR THE
GROUTING OF SUBSURFACE LAYERS BELOW
GOVERNMENT CUT CHANNEL BETWEEN WATSON ISLAND
AND DODGE ISLAND IN ASSOCIATION WITH THE
CONSTRUCTION OF THE PORT OF MIAMI TUNNEL, MIAMI,
MIAMI-DADE COUNTY, FLORIDA

BOARD OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

NOTICE IS HEREBY GIVEN pursuant to Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County that the Board of County Commissioners of Miami-Dade County will hold and conduct a public hearing on a request by MAT Concessionaire, LLC and the Florida Department of Transportation for a Class I permit for the grouting of subsurface layers below Government Cut Channel between Watson Island and Dodge Island in association with the construction of the Port of Miami Tunnel, Miami, Miami-Dade County, Florida. Such public hearing will be held on the 7th day of July, 2011 at 9:30 AM in the County Commission Chambers on the 2nd Floor of the Stephen P. Clark Center at 111 NW 1st Street in Miami, Florida.

Plans and details concerning the work requested in the application may be reviewed by interested persons at the office of the Miami-Dade County Department of Environmental Resources Management, 6th Floor, 701 NW 1st Court, Miami, Florida, 33136-3912.

Oral statements will be heard and appropriate records made. For accuracy of records, all important facts and arguments should be prepared in writing in triplicate, with two copies being submitted to the Deputy Clerk of the County Commission at the hearing or mailed to her beforehand (Diane Collins, Deputy Clerk), 111 NW 1st Street, Stephen P. Clark Center, Suite 17-202, Miami, Florida 33128; and with one copy being submitted beforehand to the Miami-Dade County Department of Environmental Resources Management, 701 NW 1st Court, Miami, Florida, 33136-3912.

A person who decides to appeal any decision made by any Board, Agency, or Commission with respect to any matter considered at its meeting or hearing, will need a record of proceedings. Such person may need to ensure that a verbatim record of the proceedings is made, including the testimony and evidence upon which the appeal is to be based.

BOARD OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

HARVEY RUVIN, CLERK

BY: _____
Diane Collins, Deputy Clerk

Attachment A
Class I Permit Application



Class I Permit Application

FOR DEPARTMENTAL USE ONLY

Date Received:	Application Number: 2011-CLI PER-00118
	Application Fee: \$8,750.

Application must be filled out in its entirety. Please indicate N/A for non-applicable fields.

1. Applicant Information: <small>1. Aileen Boude, AICP, FDOT 2. Eric R. Wilson, COO, MAT Concessionaire, LLC</small> Name: _____ Address: 1. 1000 NW 111th Ave, Miami FL 33172 2. 1040 MacArthur Causeway Miami, FL 33132 Zip Code: _____ Phone #: 1. 305-170-5223 2. 305-929-0573 Fax #: 1. 305-470-6205 2. _____ Email: 1. aileen.boude@dot.state.fl.us; 2. eric.wilson@mat-tunnel.com <small>* This should be the applicant's information for contact purposes.</small>	2. Applicant's Authorized Permit Agent: <small>Agent is allowed to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.</small> Name: Louis Brals, Project Executive, Bouygues Civil Works Florida Address: 1050 MacArthur Causeway, Miami, Florida Zip Code: 33132 Phone #: 305-613-7709 Fax #: 305-913-1301 Email: l.pellegrini@bcwf-miami.com
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3. Location where proposed activity exists or will occur (latitude and longitude are only necessary for properties without address or folio #):

Folio #(s): _____ Latitude: _____ Longitude: _____

Street Address: Government Cut Section: 31 Township: 53S Range: 42E

In City or Town: Miami Near City or Town: _____

Name of waterway at location of the activity: Government Cut Shipping Channel

4. Describe the proposed activity (check all that apply):

<input type="checkbox"/> Seawall	<input type="checkbox"/> Dock(s)	<input type="checkbox"/> Boatlift	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mangrove Trimming
<input type="checkbox"/> New/Replacement Seawall	<input type="checkbox"/> Pier(s)	<input type="checkbox"/> Mooring Piles	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Mangrove Removal
<input type="checkbox"/> Seawall Cap	<input type="checkbox"/> Viewing Platform	<input type="checkbox"/> Fender Piles	<input type="checkbox"/> New	<input type="checkbox"/> Filling
<input type="checkbox"/> Batter Piles		<input type="checkbox"/> Davits		
<input type="checkbox"/> King Piles				
<input type="checkbox"/> Footer/Toe Wall				
<input type="checkbox"/> Riprap				

☐ Other: Grouting of subsurface layers for the Port of Miami Tunnel Project

Estimated project cost = \$ TBD

Are you seeking an after-the-fact approval (ATF)? ☐ Yes ☒ No If "Yes", describe the ATF work: _____

5. Proposed Use (check all that apply): <input type="checkbox"/> Single Family <input type="checkbox"/> Multi-Family <input type="checkbox"/> Private <input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Utility	6. If the proposed work relates to the mooring of vessels provide the following information (please also indicate if the applicant does not have a vessel): Proposed Vessel Type (s): Not Applicable Vessel Make/Model (If known): _____ Draft (s)(range in inches): _____ Length (s)(range in feet): _____ Total Number of Slips: _____
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7. List all permits or certifications that have been applied for or obtained for the above referenced work:

Issuing Agency	Type of Approval	Identification Number	Application Date	Approval Date

Contractor Information (If known):

Name: Lepelletier Civil Works Florida License # (City/State): 1244772

Address: 1030 MacArthur Causeway Zip Code: 33132

Phone #: 305-613-7709 Fax #: 305-913-1301 E-mail: l.pelletier@bcwf-miami.com

9. IMPORTANT NOTICE TO APPLICANTS: The written consent of the property owner is required for all applications to be considered complete. Your application **WILL NOT BE PROCESSED** unless the Applicant and Owner Consent portion of the application is completed below. You have the obligation to apprise the Department of any changes to information provided in this application.

Application is hereby made for a Miami-Dade County Class I permit to authorize the activities described herein. I agree to or affirm the following:

- I possess the authority to authorize the proposed activities at the subject property, and
- I am familiar with the information, data and plans contained in this application, and
- To the best of my knowledge and belief, the information, data and plans submitted are true, complete and accurate, and
- I will provide any additional information, evidence or data necessary to provide reasonable assurance that the proposed project will comply with the applicable State and County water quality standards both during construction and after the project is completed, and
- I am authorizing the permit agent listed in Section 2 of this application to process the application, furnish supplemental information relating to this application and bind the applicant to all requirements of this application, and
- I agree to provide access and allow entry to the project site to inspectors and authorized representatives of Miami-Dade County for the purpose of making the preliminary analyses of the site and to monitor permitted activities and adherence to all permit conditions.

A. IF APPLICANT IS AN INDIVIDUAL

Signature of Applicant _____ Print Applicant's Name _____ Date _____

B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Print Name of Applicant (Enter the complete name as registered) _____ Type (Corp, LLC, LLP, etc.) _____ State of _____
Registration/Incorporation _____

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. ***

Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____

C. IF APPLICANT IS A JOINT VENTURE Each party must sign below (If more than two members, list on attached page)

Florida Department of Transportation _____ Government _____ Florida _____

Print Name of Applicant (Enter the complete name as registered) _____ Type (Corp, LLC, LLP, etc.) _____ State of _____
Registration/Incorporation _____

MAT Concessionaire _____ LLC _____ Florida _____

Print Name of Applicant (Enter the complete name as registered) _____ Type (Corp, LLC, LLP, etc.) _____ State of _____
Registration/Incorporation _____

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. ***

Michelle for FDOT _____ Allison Bouele, AICP _____ District Planning and EM Admin. E _____ 5/3/11
Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____
Erio R. Wilson _____ Erio R. Wilson _____ COO _____ 5/2/2011
Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____

10. WRITTEN CONSENT OF THE PROPERTY OWNER OF THE AREA OF THE PROPOSED WORK

I/We are the fee simple owner(s) of the real property located at Government Cut Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio No. _____

I am aware and familiar with the contents of this application for a Miami-Dade County Class I Permit to perform the work on or adjacent to the subject property, as described in Section 4 of this application. I possess the riparian rights to the area of the proposed work (if applicable) and hereby consent to the work identified in this Class I Permit application.

A. IF THE OWNER(S) IS AN INDIVIDUAL

Signature of Owner _____ Print Owner's Name _____ Date _____

Signature of Owner _____ Print Owner's Name _____ Date _____

B. IF THE OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
(Examples: Corporation, Partnership, Joint Venture, Trust, LLC, LLP, etc.)

Miami-Dade County _____ Government _____
Print Name of Owner (Enter the complete name as registered) _____ Type (Corp, LLC, LLP, etc.) _____ State of Registration/Incorporation _____

Address of Owner _____

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Owner, to bind the Owner, and if so required to authorize the issuance of a bond on behalf of the Owner. (If asked, you must provide proof of such authority to the Department). *****Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages.*****

Dorian K. Valdes DORIAN K. VALDES Assistant Director 5/11/2011
Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title SECRET Date _____

Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____

Please Review Above

Appropriate signature(s) must be included in:

Box 9; either A, B or C

AND

Box 10; either A or B

Class I Permit Application Additional Signatures Page
(Please attach to Class I permit application)

Applicant Name:	FDOT/AAAT Concessionaire, LLC
Owner Name:	City of Miami
Project Location:	Government Cut Shipping Channel
Additional signatures for:	<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Owner

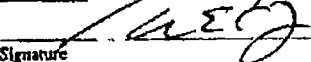
1. IF THE APPLICANT/OWNER IS AN INDIVIDUAL

Signature of Applicant/Owner	Print Name of Applicant/Owner	Date
Signature of Applicant/Owner	Print Name of Applicant/Owner	Date

2. IF THE APPLICANT/OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

City of Miami	Government	
Print Name of Applicant/Owner (Enter the complete name as registered)	Type (Corp, LLC, LLP, etc.)	State of Registration/Incorporation

Under the penalty of perjury, we certify that we have the authority to sign this application on behalf of the Applicant/Owner, to bind the Applicant/Owner, and if so required to authorize the issuance of a bond on behalf of the Applicant/Owner. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages.***

	Tony E. Crapp Jr.	CITY MANAGER	5/10/11
Signature	Print Name	Title	Date

Signature	Print Name	Title	Date
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Signature	Print Name	Title	Date
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Signature	Print Name	Title	Date
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Signature	Print Name	Title	Date
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Signature	Print Name	Title	Date
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Signature	Print Name	Title	Date
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Attachment B

**Owner/Agent Letter, Engineer Certification Letter, and
Project Sketches**

PERMIT APPLICANT/ AUTHORIZED AGENT STATEMENT

Date: June 9, 2011

To:
Miami Dade County DERM
Class I Permitting Program
701 NW 1st Court
Miami FL, 33136

Re: Class I Standard Form Permit Application Number 2011-CLI-PER- 00118

By the attached Class I Standard Form permit application with supporting documents, we, Aileen Boucle, AICP, Florida Department of Transportation and Eric R. Wilson COO, MAT Concessionaire, LLC, are the Permit Applicants and hereby request permission to perform the work associated with Class I permit application 2011-CLI-PER-00118. We understand that a Miami-Dade County Class I Standard Form Permit is required to perform this work.

If approval is granted for the proposed work by the Board of County Commissioners, complete and detailed plans and calculations of the proposed work shall be prepared by an engineer registered/licensed in the State of Florida in accordance with the minimum requirements of Chapter 24 of the Code of Miami-Dade County, Florida. Said plans and calculations shall be subject to the review and approval of the Department of Environmental Resources Management. The permit applicants will secure the services of an engineer registered/licensed in the State of Florida to conduct inspections throughout the construction period, and said engineer shall prepare all required drawings of record. In the event that the proposed work which is the subject of this Class I Permit application involves the cutting or trimming of a mangrove tree(s), a detailed plan of the proposed cutting or trimming shall be prepared by a licensed landscape architect and submitted to the Department for review and approval, and the permit applicants will secure the services of a licensed landscape architect to supervise the trimming or cutting.

Respectfully submitted,

Aileen Boucle, AICP, Florida Department of Transportation

A. Boucle, For Florida Dept. of Transportation

Eric R. Wilson, COO, MAT Concessionaire, LLC

Eric R. Wilson

Permit Applicants



ES CONSULTANTS, INC.
environmental and civil engineering

Civil Engineering

May 27, 2011

Construction
Management

Miami-Dade County DIRM
Class I Permitting Program
701 NW 1st Court
Miami, Florida 33136

Environmental
Services

Solid Waste

Re: Class I Permit Application Number 2011-CLI-PER-00118

Water & Sewer

Ladies and Gentlemen:

Water Resources

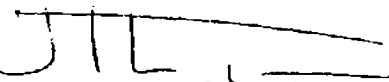
This letter will certify that I am an engineer registered/licensed in the State of Florida, qualified by education and experience in the area of construction, and that to the best of my knowledge and belief, the proposed work does not violate any laws of the State of Florida or any provision of the Code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

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

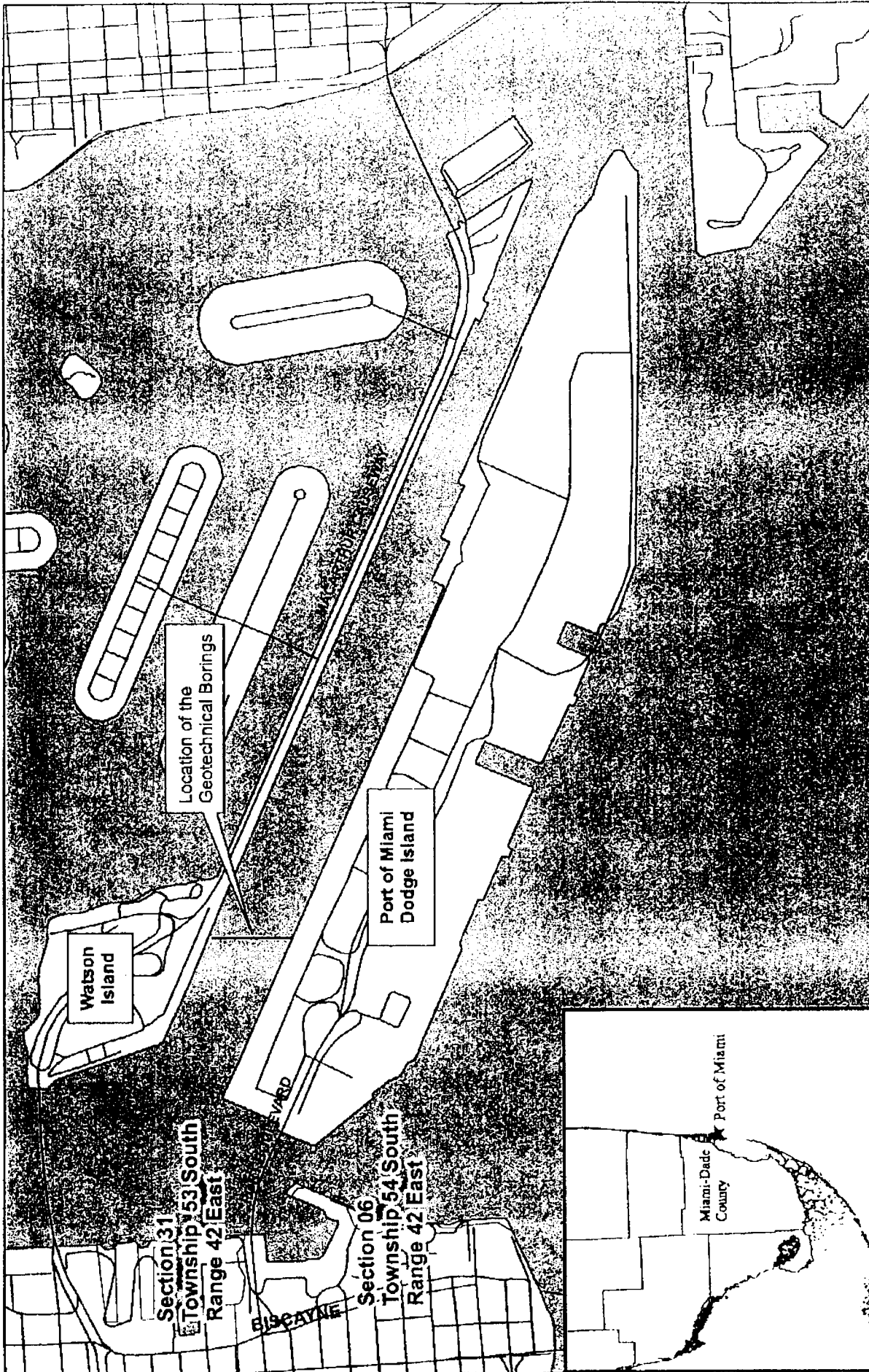
Further, I have been retained by the applicant to provide inspections throughout the construction period and prepare a set of reproducible record prints of drawings showing changes made during the construction process based upon the marked-up prints, drawings, and other data furnished by the contractor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

Sincerely,

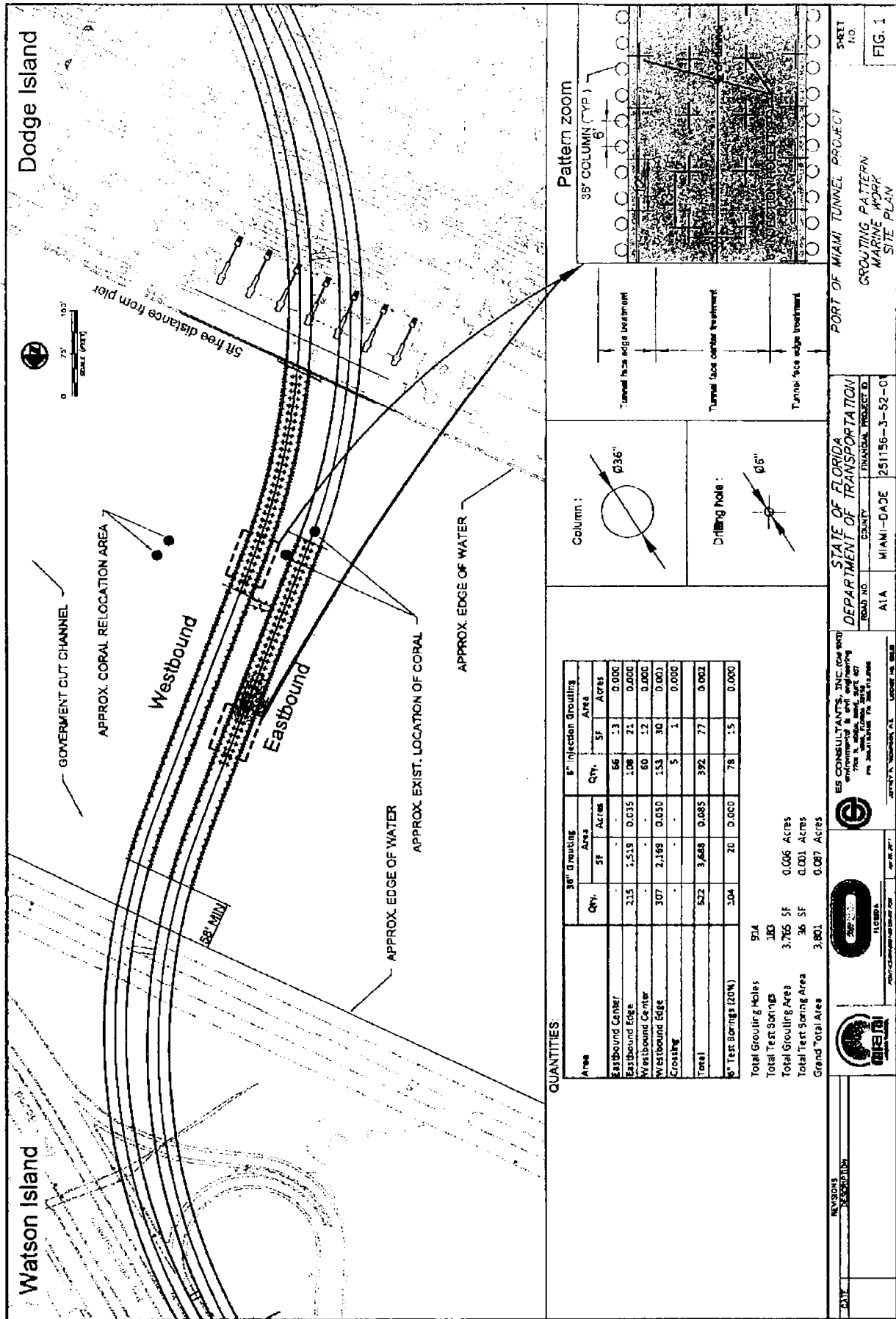
ES Consultants Inc.


5-27-11
Jeffrey P. Thompson, P.E.
License No. 69239

15



<p>FIGURE 1</p> <p>PROJECT LOCATION</p>	<p>PROJECT</p> <p>PORT OF MIAMI TUNNEL</p> <p>Miami Access Tunnel and The State of Florida Department of Transportation</p> <p>FPID# 255156-2-52-01</p>	<p>SUBSEA GEOTECHNICAL BORING PERMIT</p> <p>Government Shipping Channel Between Watson Island and Dodge Island</p> <p>Source: Florida Public Land Survey System, Miami-Dade County (FGLS), Roads, Gas Streets 2009 (Miami-Dade County)</p>	<p>NORTH</p> <p>1,600 3,200 Feet</p> <p>1 inch = 1,600 feet</p>
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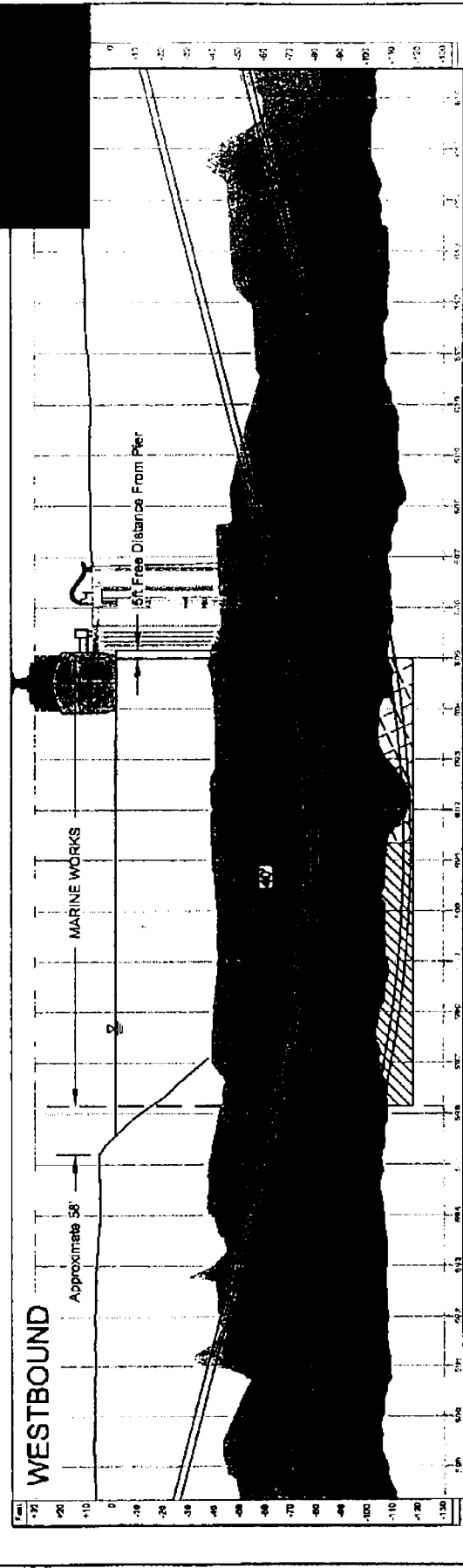
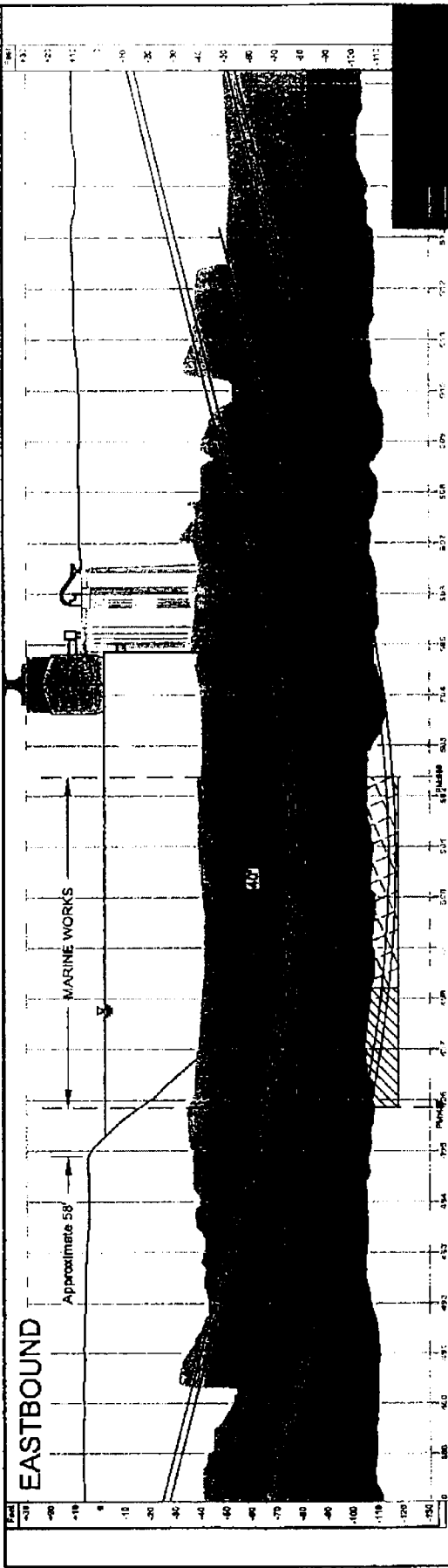


QUANTITIES

Area	36" Grouting		6" Injection Grouting	
	Qty.	Area SF	Qty.	Area SF
Eastbound Center	215	1,519	66	23
Eastbound Edge	-	-	108	21
Westbound Center	307	2,169	60	12
Westbound Edge	-	-	113	30
Crossing	-	-	5	1
Total	522	3,688	392	77
6" Test Borings (20%)	104	20	78	15

Total Grouting Molds 924
 Total Test Borings 183
 Total Grouting Area 3,765 SF 0.066 Acres
 Total Test Boring Area 36 SF 0.001 Acres
 Grand Total Area 3,801 0.067 Acres

REVISIONS NO. DESCRIPTION		ES CONSULTANTS, INC. (04/04/00) 10000 N. W. 10th Ave., Suite 407 Fort Lauderdale, FL 33309 P.O. Box 10000, Fort Lauderdale, FL 33309		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY MIAMI-DADE PROJECT ID 251156-3-52-01		PORT OF MIAMI TUNNEL PROJECT GROUTING PATTERN MARINE WORK SITE PLAN		SHEET NO. FIG. 1
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
DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	PORT OF MIAMI TUNNEL PROJECT	SHEET NO.
			ROAD NO. A1A	MIAMI-DADE	FG. 2
			COUNTY	FINANCIAL PROJECT ID	
			251156-3-52-01		
ES CONSULTANTS, INC. (INC. IN FLA.) environmental & civil engineering 7100 S.W. 11th Avenue, Suite 100 Miami, FL 33156-2148 PH: 305.776.1234 FAX: 305.776.1235			CONTRACT NO. 251156-3-52-01 PROJECT NO. 251156-3-52-01		


Attachment C
Zoning Memorandum

Memorandum



Date: June 9, 2011

To: Lisa Spadafina, Manager 
Coastal Resources Section
Environmental Resources Management

From: Christine Hopps, ERPS 
Coastal Resources Section
Environmental Resources Management

Subject: Class I Permit Application by MAT Concessionaire, LLC and the Florida Department of Transportation for a Class I Permit for the Grouting of Subsurface Layers below Government Cut Channel between Watson Island and Dodge Island in Association with the Construction of the Port of Miami Tunnel, within Government Cut in Biscayne Bay, Miami-Dade County, Florida

Pursuant to Section 24-48.2(II)(A)(7), of the Code of Miami-Dade County, Florida, a substantiating letter shall be submitted by the applicant stating that the proposed project does not violate any zoning laws. Said letter will be submitted after approval by the County Commission and prior to issuance of the Class I permit.

Attachment D

**Names and Addresses of Owners of All Riparian or
Property Within
Three Hundred (300) Feet of the Proposed Work**

City of Miami-Out Board
Asset Management Division
444 SW Ave Ste #325
Miami, FL 33130

City of Miami - Dept of P&D
Assest Management Division
444 SW 2 Ave Ste #325
Miami, FL 33130

Attachment E
DERM Project Report

**PROJECT REPORT
CLASS I PERMIT APPLICATION NO. 2011-CLI-PER-00118**

**APPLICATION BY MAT CONCESSIONAIRE, LLC AND THE FLORIDA
DEPARTMENT OF TRANSPORTATION FOR A CLASS I PERMIT FOR THE
GROUTING OF SUBSURFACE LAYERS BELOW GOVERNMENT CUT CHANNEL
BETWEEN WATSON ISLAND AND DODGE ISLAND IN ASSOCIATION WITH THE
CONSTRUCTION OF THE PORT OF MIAMI TUNNEL**

DATE: May 27, 2011

Staff's recommendation of approval for the above-referenced permit application is based on the applicable evaluation factors under Section 24-48.3 of the Code of Miami-Dade County, Florida. The following is a summary of the proposed project with respect to each applicable evaluation factor:

1. **Potential Adverse Environmental Impact** – The potential for any adverse environmental impact from the proposed project is minimal. An in-water benthic survey revealed that there are no significant benthic resources within the footprint of the project. Additionally, the Class I permit shall include conditions to protect rare, threatened and endangered species.
2. **Potential Cumulative Adverse Environmental Impact** – The proposed project is not reasonably expected to have cumulative adverse environmental impacts.
3. **Hydrology** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.
4. **Water Quality** – The proposed project is not reasonably expected to affect surface water quality. In order to minimize impacts to surface waters, the work will be conducted using a double casing containment system. Additionally, the Class I permit will require that a water quality monitoring plan be implemented during the proposed work to ensure turbidity levels within the surrounding waters do not exceed State and County water quality standards.
5. **Wellfields** – Not applicable.
6. **Water Supply** – Not applicable.
7. **Aquifer Recharge** – Not applicable.
8. **Aesthetics** – The proposed project is not reasonably expected to have long term negative aesthetic impacts. During the construction process there may be temporary aesthetic impacts due to the presence of barges, machinery, and equipment associated with the construction activities.
9. **Navigation** – The proposed project is not reasonably expected to adversely affect navigation. The work is temporary in nature, and the applicant will be required to obtain authorization from the United States Coast Guard prior to issuance of a Class I permit.
10. **Public Health** - The proposed project is not reasonably expected to adversely affect public health.
11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values.
12. **Archaeological Values** - The proposed project is not reasonably expected to adversely affect archaeological values.
13. **Air Quality** – The proposed project is not reasonably expected to adversely affect air quality.
14. **Marine and Wildlife Habitats** – The proposed project may result in temporary disturbances to marine and wildlife habitats. An in-water benthic survey revealed that there are no significant benthic resources within the footprint of the project.

The proposed project is not located within an area designated by the Miami-Dade County Manatee Protection Plan (MPP) as essential habitat for *Trichechus manatus* (West Indian Manatee). However, the Class I permit shall include conditions to minimize turbidity and will require that all standard manatee conditions be followed during all in-water construction operations.

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15. **Wetland Soils Suitable for Habitat** – The proposed project does not involve any work in wetland soils.
16. **Floral Values** – The proposed project is not reasonably expected to adversely affect floral values. An in-water benthic survey revealed that there are no significant flora within the footprint of the proposed project.
17. **Fauna Values** – The proposed project may temporarily disturb marine fauna. The marine soils in the area of the proposed work may support marine fauna, specifically, marine epifauna (animals living on the sediment surface or on the surface of other plants or animals) and infauna (animals living within submerged sediments). Once the work is complete, the applicant will restore each drill site to pre-construction elevations and conditions. Therefore, these impacts are temporary in nature and suitable marine habitat will be available for the re-establishment of marine fauna.

The proposed project sites are not located within essential habitat for the West Indian Manatee. However, the Class I permit will require that all standard construction permit conditions regarding manatees be followed during all in-water construction operations.

18. **Rare, Threatened and Endangered Species** – The proposed work is not reasonably expected to adversely affect rare, threatened and endangered species. The proposed project is not located within an area designated by the MPP as essential habitat for West Indian Manatee. However, the Class I permit will require that all standard manatee conditions be followed during all in-water construction operations.
19. **Natural Flood Damage Protection** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.
20. **Wetland Values** – The proposed project does not involve dredging or filling of wetlands.
21. **Land Use Classification** – Pursuant to Section 24-48.2(II)(A)(7), of the Code of Miami-Dade County, Florida, a substantiating letter shall be submitted stating that the proposed project does not violate any zoning laws. Said letter will be submitted after the approval by the Board of County Commissioners and prior to the issuance of a Class I permit.
22. **Recreation** - The proposed project does not conflict with the recreation element of the Miami-Dade County Comprehensive Development Master Plan.
23. **Other Environmental Values Affecting the Public Interest** – The proposed project is not reasonably expected to adversely affect other environmental values affecting the public interest. The proposed work will occur on submerged lands owned by the City of Miami, which has authorized the proposed work.
24. **Conformance with Standard Construction Procedures and Practices and Design and Performance Standards** – The proposed project complies with the standard construction procedures and practices and design and performance standards of the applicable portions of the following:
 - a) Biscayne Bay Management Plan (Sections 33D-1 through 33D-4 of the Code of Miami-Dade County)
 - b) Chapter 33B of the Code of Miami-Dade County
25. **Comprehensive Environmental Impact Statement (CEIS)** - In the opinion of DERM, the proposed project is not reasonably expected to result in significant adverse environmental impacts or cumulative adverse environmental impacts. Therefore, a CEIS was not required by DERM to evaluate the project.

26. **Conformance with All Applicable Federal, State and Local Laws and Regulations** The proposed project is in conformance with the following applicable State, Federal and local laws and regulations:
- a) Chapter 24 of the Code of Miami-Dade County
 - b) United States Clean Water Act (US Army Corps of Engineers (permit is required)
 - c) Florida Department of Environmental Protection Regulations (permit is required)
 - d) U.S. Coast Guard (approval is required)
27. **Conformance with the Miami-Dade County Comprehensive Development Master Plan (CDMP)** - In the opinion of DERM, the proposed project is in conformance with the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

LAND USE ELEMENT I:

Objective 2/Policy 2A - Level of Service. The proposed project does not involve new or significant expansion of existing urban land uses.

Objective 3/Policies 3A, 3B, 3C - Protection of natural resources and systems. – The proposed project is consistent with the Conservation and Coastal Management Elements of the CDMP. The project is compatible with surrounding land uses in Biscayne Bay and does not involve development in the Big Cypress area of Critical State concern or the East Everglades.

TRANSPORTATION ELEMENT II

Aviation Subelement/Objective 9 - Aviation System Expansion - There is no aviation element to the proposed project.

Port of Miami River Subelement/Objective 3 - Minimization of impacts to estuarine water quality and marine resources. The proposed project is not located within the Miami River.

CONSERVATION, AQUIFER RECHARGES AND DRAINAGE ELEMENT IV:

Objective 3/Policies 3A, 3B, 3D - Wellfield protection area protection. - The proposed project is not located within a wellfield protection area.

Objective 3/Policy 3E - Limestone mining within the area bounded by the Florida Turnpike, the Miami-Dade/Broward Levee, N.W. 12 Street and Okeechobee Road. - The proposed project is not located within this area.

Objective 4/Policies 4A, 4B, 4C - Water storage, aquifer recharge potential and maintenance of natural surface water drainage. - The proposed project is not reasonably expected to adversely affect water storage, aquifer recharge potential or natural surface water drainage.

Objective 5/Policies 5A, 5B, 5F - Flood protection and cut and fill criteria. – The proposed project does not compromise flood protection, involve filling for development purposes, and is not related to cut and fill activities.

Objective 6/Policy 6A - Areas of highest suitability for mineral extraction. - The proposed project is not located in an area proposed or suitable for mineral extraction.

Objective 6/Policy 6B - Guidelines for rock quarries for the re-establishment of native flora and fauna. - The proposed project is not located in a rock quarry.

Objective 6/Policy 6D - Suitable fill material for the support of development. – The proposed project does not involve filling for the purposes of development.

Objective 7/Policy 7A - No net loss of high quality, relatively unstressed wetlands. – The proposed project will not result in a net loss of any such wetlands.

Objective 9/Policies 9A, 9B, 9C - Protection of habitat critical to Federal or State-designated threatened or endangered species. – The proposed project is not located within an area designated by the MPP as essential habitat for the West Indian Manatee. However, the Class I permit will require that all standard manatee construction permit conditions shall be followed during construction operations.

COASTAL MANAGEMENT ELEMENT VII:

Objective 1/Policy 1A - Tidally connected mangroves in mangrove protection areas – The project is not located within a designated "Mangrove Protection Area."

Objective 1/Policy 1B - Natural surface flow into and through coastal wetlands. – The project will not affect natural surface flow into and through coastal wetlands.

Objective 1/Policy 1C - Elevated boardwalk access through mangroves. – The project does not involve access through mangroves.

Objective 1/Policy 1D - Protection and maintenance of mangrove forests and related natural vegetational communities. - The proposed project does not involve work in mangrove forests, coastal hammock, or other natural vegetational communities.

Objective 1/Policy 1E - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – The proposed project does not involve the degradation and destruction of coastal wetlands and therefore does not involve monitoring of mitigation for impacts to coastal wetlands.

Objective 1/Policy 1G - Prohibition on dredging or filling of grass/algal flats, hard bottom or other viable benthic communities, except as provided for in Chapter 24 of the Code of Miami-Dade County, Florida. – The proposed project will not result in the dredging or filling of grass flats or significant viable benthic communities.

Objective 2/Policies 2A, 2B - Beach restoration and renourishment objectives. - The proposed project does not involve beach restoration or renourishment.

Objective 3/Policies 3E, 3F - Location of new cut and spoil areas for proper stabilization and minimization of damages. - The proposed project does not involve the development or identification of new cut or spoil areas.

Objective 4/Policy 4A, 4C, 4E, 4F – Protection of endangered or threatened animal species. - The proposed work is not reasonably expected to adversely affect endangered or threatened species. The proposed project is not located within an area designated by the MPP as essential habitat for the West Indian Manatee. However, the Class I permit shall include conditions to minimize turbidity during construction operations and protect rare, threatened and endangered species.

Objective 5/Policy 5B - Existing and new areas for water-dependent uses. - The proposed project is not reasonably expected to affect existing water dependent uses.

Objective 5/Policy 5D - Consistency with Chapter 33D, Miami-Dade County Code (shoreline access, environmental compatibility of shoreline development) – The Shoreline Development Review Committee has evaluated the proposed project and determined that the thresholds for review under the Shoreline Ordinance do not apply and the proposed project is not subject to shoreline development review.

Objective 5/Policy 5F - The siting of water dependent facilities. - The proposed project does not involve the creation of any new water dependent facilities.

28. **Conformance with Chapter 33B, Code of Miami-Dade County** (East Everglades Zoning Overlay Ordinance) – The proposed project is not located within the East Everglades Area.
29. **Conformance with Miami-Dade County Ordinance 81-19** (Biscayne Bay Management Plan Sections 33D-1 through 33D-4 of the Code of Miami-Dade County) - The proposed project is consistent with the Biscayne Bay Management Plan.
30. **Conformance with the Miami-Dade County Manatee Protection Plan** - The proposed project is not located within an area designated by the MPP as essential manatee habitat for the West Indian Manatee. However, the Class I permit will require that all standard manatee conditions be followed during all in-water construction operations.
31. **Consistency with Miami-Dade County Criteria for Lake Excavation** – The proposed project does not involve lake excavation.
32. **Municipality Recommendation** – Pursuant to Section 24-48.2(II)(A)(7), Code of Miami-Dade County, Florida, a substantiating letter shall be submitted stating that the proposed project does not violate any zoning laws. Said letter will be submitted after the approval by the Board of County Commissioners and prior to the issuance of the Class I permit.
33. **Coastal Resources Management Line** - A coastal resources management line was not required for the proposed project, pursuant to Section 24-48.2(II)(A)(10)(b) of the Code of Miami-Dade County, Florida.
34. **Maximum Protection of a Wetland's Hydrological and Biological Functions** – The proposed project is not expected to impact wetland hydrological and biological functions.
35. **Class I Permit Applications Proposing to Exceed the Boundaries Described in Section D-5.03(2)(a) of the Miami-Dade County Public Works Manual** – Not applicable.

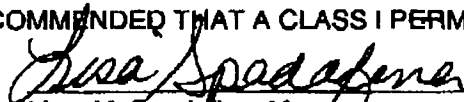
The proposed project was also evaluated for compliance with the standards contained in Sections 24-48.3(2),(3), and (4) of the Code of Miami-Dade County, Florida. The following is a summary of how the standards relate to the proposed project:

24-48.3 (2) Dredging and Filling for Class I Permit – The proposed project does not involve dredging or filling of tidal waters.

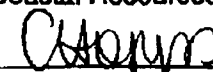
24-48.3 (3) Minimum Water Depth Required for Boat Slips Created by the Construction or Placement of Fixed or Floating Docks and Piers, Piles and Other Structures Requiring a Permit Under Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County - The proposed project does not involve the creation of a boat slip.

24-48.3 (4) Clean Fill in Wetlands – The proposed project does not involve placing clean fill in wetlands.

BASED ON THE FOREGOING, IT IS RECOMMENDED THAT A CLASS I PERMIT BE APPROVED.



Lisa M. Spadafina, Manager
Coastal Resources Section



Christine Hopps, ERPS
Coastal Resources Section