

**IN THE CIRCUIT COURT OF THE ELEVENTH JUDICIAL
CIRCUIT IN AND FOR MIAMI-DADE COUNTY, FLORIDA**

CASE NO: 2021-015089-CA-01

SECTION: CA43

JUDGE: Michael Hanzman

In re:

Champlain Towers South Collapse Litigation

**RECEIVER'S MOTION FOR ENTRY OF ORDER AUTHORIZING RECEIVER TO
SIGN PERMIT APPLICATION REQUESTED BY MIAMI-DADE COUNTY
AUTHORIZING BOFAM CONSTRUCTION COMPANY, INC. TO UNDERTAKE
DE-WATERING WORK AT THE PROPERTY**

Michael I. Goldberg (the "Receiver"), pursuant to Rule 4 of the Complex Business Litigation Rules, seeks entry of an order (the "Work Commencement Date"), authorizing the Receiver to sign a permit application requested by the Miami-Dade County Department of Regulatory and Economic Resources (the "County") ratifying Bofam Construction Company, Inc. ("Bofam"), de-watering work at the former site of the Champlain Tower South Condominium located at 8777 Collins Avenue, Surfside, Florida 33154 (the "Property"), in order to lower the water table on the Property and continually move water flow to an FDOT drain located closer to Collins Avenue so work can be done safely at the Property.¹ In support of this Motion, the Receiver states as follows:

¹ To be clear, notwithstanding the tense of certain of the language in this Motion, the de-watering work that is the subject of this Motion has already been performed and is on-going. The de-watering work performed by Bofam was non-invasive, that is, Bofam installed de-watering equipment and piping on top of the foundation at the Property. None of the work Bofam performed broke the surface of the foundation such that no pre-existing construction materials below the foundation, in whatever condition that existed as of and after the tragic collapse, were disturbed. The Receiver previewed the filing of the instant motion in footnote 2 of the *Receiver's Emergency Motion for Entry of Order Authorizing Receiver to Sign Permit Application Requested by Miami-Dade County Authorizing Bofam Construction Company, Inc. to Undertake Emergency Work to Brace the West Retainment Wall at the Property* (Filing # 133739924).

1. At a hearing conducted on July 2, 2021 the Court ordered the appointment of Michael I. Goldberg as receiver for the Champlain Tower South Condominium Association.

2. This receivership is the result of multiple lawsuits that were filed after the tragic collapse of the Champlain Tower Condominium previously built on the Property.

3. The County maintains control over the Property as the County and NIST investigate the circumstances leading up to the collapse of the Champlain Tower South Condominium. The County has notified the Receiver that de-watering work, *i.e.*, installation of equipment and above-ground piping, was needed to lower the water table on the Property and continually move water flow to an FDOT drain located closer to the Collins Avenue so work can be done safely on the Property.

4. To that end, the County hired Bofam to perform the necessary de-watering work. The work Bofam performed is more fully set forth in a report attached to this Motion which is comprised, in large part, of a September 2, 2021 letter issued by Tierra Consulting Group on behalf of Bofam to Rashid Z. Istambouli, P.E. of the Miami-Dade County Department of Regulatory and Economic Resources, Environmental Resources Management, Water Control Section (the "Report") as **Composite Exhibit "A"**.

5. Included in the Report are, among other things: (i) Diagram (Figures, PDF pg. 13 of 53); (ii) Dewatering Calculations – Sichardt's Equation (Attachment D, PDF pg. 32-34² of 53); (iii) Proposed Dewatering Plan submitted to the Pollution Remediation Section of Miami-Dade County, Division of Environmental Resources Management (Attachment D, PDF pg. 35-36 of 53); and (iv) Description/Drawings of equipment used to perform the dewatering work. (Attachment F, PDF pg. 41-48 of 53).

² This is a complex mathematical formula to determine the proper dewatering flow rate developed by Sichardt Powers.

6. The County has assured the Receiver that the dewatering work is necessary to lower the water table on the Property and continually move water flow to an FDOT drain located closer to the Collins Avenue so work can be done safely on the Property, and will be undertaken in a manner best designed to preserve the evidence in accordance with this Court's prior orders. The Receiver is not an engineering expert and is relying on the County and its experts that the dewatering work to be undertaken is necessary and will preserve the evidentiary value of the Property as best as possible under the exigent circumstances.

7. The Receiver is technically the "owner" of the Property even though the Property is currently under the County's control. Accordingly, the County has requested the Receiver to execute the Permit Application filed by Bofam. A true and correct copy of the Permit Application is attached hereto as **Exhibit "B"**. The Permit Application identifies the Applicant and provides the Applicant's Contractor and Qualifier Numbers. Bofam seeks issuance of a new permit authorizing it to continue to perform the dewatering work in respect of the Property.

8. The Receiver has informed the County that he will not execute the permit application unless and until he receives Court authorization to do so, and only after notice and a hearing in which all parties in interest have an opportunity to consider the Motion and express their position to the Court with respect to the dewatering work and its potential impact on the Property. Given that the dewatering work has already been performed, parties can express their position, if any, on the potential impact on the Property on a go-forward basis, if any.

WHEREFORE, the Receiver respectfully requests that the Court enter an Order authorizing him to approve or sign-off on the Permit Application, to the extent necessary, and grant

such other, further and related relief as may be appropriate under the circumstances.

Dated: September 9, 2021

Respectfully submitted,

BERGER SINGERMANN, LLP
Counsel for the Receiver
1450 Brickell Ave., Ste. 1900
Miami, Florida 33131
Telephone: (305) 755-9500
Fax: (305) 714-4340

By: s/ Paul Steven Singerman

Paul Steven Singerman
Florida Bar No. 378860
Jordi Gusó
Florida Bar No. 863580
Paul A. Avron
Florida Bar No. 50814
DRT@bergersingerman.com
Singerman@bergersingerman.com
Jguso@bergersingerman.com
pavron@bergersingerman.com
MDiaz@bergersingerman.com
Fsellars@bergersingerman.com

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on September 9, 2021, a copy of the foregoing was electronically filed with the Clerk of Court by using the Florida Courts E-Filing Portal, which served a copy of same to all counsel of record through the Florida Court's E-Filing Portal. I further certify that a true and correct copy of the foregoing was served by electronic transmission and first class, U.S. Mail on September 9, 2021, upon all parties on the attached Service List.

By: s/ Paul Steven Singerman
Paul Steven Singerman

SERVICE LIST

Austin Akinrin, President
Bofam Construction Co., Inc.
1600 NW 3rd Avenue
Miami, FL 33136
austin@bofaminc.com

COMPOSITE EXHIBIT “A”



**ENVIRONMENTAL ENGINEERING ■ CONSULTING
SURVEYING AND MAPPING**

5809 N ANDREWS WAY, FORT LAUDERDALE, FL 33309
O: (954) 202 9226 E: ADMIN@TIERRACONSULTING.COM
WWW.TIERRACONSULTING.COM

September 2, 2021

Mr. Rashid Z. Istambouli, P.E.
Miami-Dade County Department of Regulatory and Economic Resources
Environmental Resources Management
Water Control Section
701 NW 1st Court, 6th Floor
Miami, FL 33136-3912

Subject: Class V Dewatering Permit Application
Champlain Tower South Condominium, Surfside, Florida
Folio No. 14-2235-025-0001

Dear Mr. Istambouli,

On behalf of Bofam Construction Co. Inc, Tierra Consulting Group (TCG) presents the following description of dewatering activities that will occur to support ongoing site investigation work within the basement level of 8777 Collins Avenue, Surfside, Florida (Folio Number: 14-2235-025-0001). The project location is shown on **Figure 1**.

1.0 Project Description

Dewatering activities at 8777 Collins Avenue were previously conducted to protect against loss of life, limb, and damage to property in accordance with Florida Governor Executive Order (EO) 21-148, *Emergency Management-Miami-Dade County* (24 Jun 21), Florida Governor EO 21-174, *Emergency Management-Extension of EO 21-148-Miami-Dade County* (22 Jul 21), Miami-Dade County Mayor Declaration Emergency Order 01-21, *Building Collapse* (3 Jul 21), and Miami-Dade County Code of Ordinances, Section 24-20, *Abnormal occurrences*, Para (4)(a) and (b), included in **Attachment A, B and C**.

Additional dewatering is necessary to maintain the exposed concrete basement slab in a dry condition to support continued investigation and operational work. A site plan and dewatering extraction port locations with the subsurface profile are included on **Figure 2**.

2.0 Estimation of the Dewatering Radius of Influence & Maximum Flow Rate

TCG used Sichardt's Equation to calculate the dewatering groundwater volume based on the hydraulic conductivity ($K = 38$ feet/day or 0.000134 meters/second) and aquifer depth ($H = 220$ feet) referenced from a technical report prepared for a nearby site, *8701 Collins Avenue, Dewatering Plan*, prepared by *Florida Civil, Inc. August 10, 2015 [CLV-20170062]*. Select pages of the referenced document are provided in **Attachment D**.

The calculated maximum radius of influence (ROI) and dewatering flow rate are 58 feet and 183 gallons per minute (gpm) for each of the twelve basement slab extraction ports, respectively. The estimated maximum daily dewatering pumpage calculated using Sichardt's Equation is 3,169,568 gallons per day.

Variables and supporting calculations for these values are provided in **Attachment D**. These values are representative of worse case water table conditions during King Tide.

3.0 Contaminated Facilities File Review

Regulatory information files indicate one contaminated facility within 500 feet of the project area. The contaminated facility location relative to the project site is shown in **Figure 3A** and described below:

Facility Name	Address	Facility Type	Contaminant	Status	Facility ID
Nirvana Cafe	8701 Collins Ave, Miami Beach	Residential Condominium	Petroleum	On-going Assessment	MDC: UT-4471

Nirvana Cafe (MDC ID: UT-4471)

In June 1993, an improperly abandoned 4,000-gallon heating oil Underground Storage Tank (UST) was identified in the northwest corner of the facility. This UST and associated piping were later removed in April 1995. Regulatory documentation indicated rusting on the tank exterior observed during removal from the ground, but no holes or fissures were identified. Organic Vapor Analysis documented vapor levels at 75 parts per million (ppm). One monitoring well (MW-1) was installed in the former UST footprint and sampled for Polycyclic Aromatic Hydrocarbons (PAHs) and Oil and Grease. Laboratory results indicated the constituents of concern were below their respective Groundwater Cleanup Target Levels (GCTLs).

In October 2013, DERM disclosed in an interview with a consultant performing due diligence work that the case was closed, and no further action was anticipated. Photocopies of applicable regulatory file documentation is provided in **Attachment E**.

The calculated maximum ROI for the nearest extraction port (S-9) is 58 feet. Based on the distance separating the extraction port from the former UST footprint area, approximately 150 feet south beyond the ROI (as shown on **Figure 3B**), the proposed dewatering activities are not expected to influence any residual groundwater contaminants at this facility.

4.0 Dewatering Plan

Current grade at the perimeter of the dewatering site varies with an average elevation of +10.0 feet relative to National Geodetic Vertical Datum of 1929 (NGVD). The top of the basement slab is approximately +3.0 feet NGVD and the predicted King Tide elevation is +4.00 feet NGVD. The maximum bottom elevation of the extraction ports is estimated at +2.50 feet NGVD.

Dewatering fluids will be directed from the extraction ports to a 20,000-gallon sedimentation weir tank using two self-priming six-inch (6") pumps to allow settling of larger particulates. A transfer pump will then direct flow to a multi-round bag filter array. The filtered discharge is then directed into a Florida Department of Transportation (FDOT) storm sewer inlet located at the Collins Avenue and 88th Street intersection. A parallel set of two multi- bag filtration skids using 25-micron bag filters will be regularly monitored to ensure sufficient flow capacity is maintained and filters are changed as necessary. The contractor shall inspect and document storm drain line before and after dewatering activities. It is the responsibility of the contractor to desilt storm drain if sediment accumulation is a result of these activities.

Dewatering assumptions are based on continuous pumping to maintain a dry work area. Dewatering duration is estimated at twenty-four (24) hours per day for ninety (90) working days. Specification data for pumps, weir tank, and multi-round bag filter components are included in **Attachment F**.

4.1 Soil and Sediment Management Plan

Excavated soil from extraction ports was stockpiled and covered with polypropylene sheeting to deter runoff. Upon completion of the proposed activities, stockpiled soil will be returned to the extraction ports as backfill, and/or properly be disposed off-site, as necessary.

Dewatering fluid discharge is processed through a 20,000-gallon weir sedimentation tank to settle coarse grained particles followed by a multi-round vessel filtration system to extract sediment from the effluent prior to discharge. Accumulated sediment will be removed from the tanks as necessary, and the sediment properly disposed of with the spent bag filters.

4.2 Stormwater Management

As noted above, the project entails pumping dewatering effluent from 12 extraction ports of the basement floor slab through a temporary sedimentation weir tank and filtration system prior to final discharge into an FDOT storm sewer inlet. Contractor shall inspect and document storm drain line conditions before and after dewatering activities. The Contractor is responsible for desilting the storm drain if accumulation is a result of these activities.

No activities that change the existing grade, surface drainage flow, or vegetation will be performed due to the dewatering activities.

The area requiring groundwater infiltration management is approximately 0.75 acres. This is below the 1.0-acre threshold for a construction project Stormwater Pollution Prevention Plan (SWPPP) requirement. Therefore, the provisions of F.A.C. Section 62-621.300(4) are not applicable.

Best Management Practices (BMPs) to control sedimentation and stormwater pollution runoff are required during dewatering operations. Existing catch basins and accessible drainage entry points at the site require the protection of curb barriers, including hay bales wrapped in silt filter fabric and/or booms, to deter sediment in stormwater from entry into the existing roadway drainage system.

5.0 Owner's Permission to Discharge

Pursuant to Florida Governor EO 21-148, *Emergency Management-Miami-Dade County*, Florida Governor EO 21-174 and *Emergency Management-Extension of EO 21-148-Miami-Dade County*, 22 Jul 21, the FDOT storm structure located at the Collins Avenue and 88th Street intersection, will serve as the point of effluent discharge. FDOT General Use Permit# 2021-K-691-00082 is included as **Attachment G**.

6.0 Conclusion

Dewatering activities are necessary to maintain dry conditions for the concrete basement slab throughout site investigation activities at 8777 Collins Avenue, Surfside, Florida (Folio No. 14-2235-025-0001).

One contaminated facility was identified near the project site but is beyond the maximum ROI of dewatering activities. TCG concludes with maximum ROI of 58 feet and flow rate of 183 gpm at each of 12 basement slab extraction ports, the daily maximum pumping of 3,169,568 gallons/day is temporary in nature and not expected to adversely impact the shallow groundwater aquifer.

Contact information for the entity assuming responsibility for the conditions of the permit is:

Bofam Construction Co.
Mr. Austin Akinrin, President
1600 NW 3rd Avenue, Suite D4
Miami, FL 33136

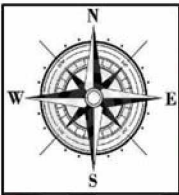
If additional information is required to expedite review and approval of dewatering activities, please contact Katherine Espinal, (954) 202 9226, Katherine.Espinal@tierraconsulting.com, or Scott Zednek, (954) 202-9226, Scott.Zednek@tierraconsulting.com, with any questions.

Respectfully,

Robert L. Vinson III
Digitally signed by
Robert L. Vinson III
Date: 2021.09.02
06:56:18 +09'00'
Robert L. Vinson III, P.E.
Senior Project Engineer

This item was digitally signed and sealed by Robert L. Vinson III, P.E. #53438, on 2 September 2021 using a digital seal. Signed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

FIGURES



LEGEND:

 = Project Site



PROJECT: CHAMPLAIN TOWER SOUTH CONDOMINIUM

CLIENT: BOFAM CONSTRUCTION CO.

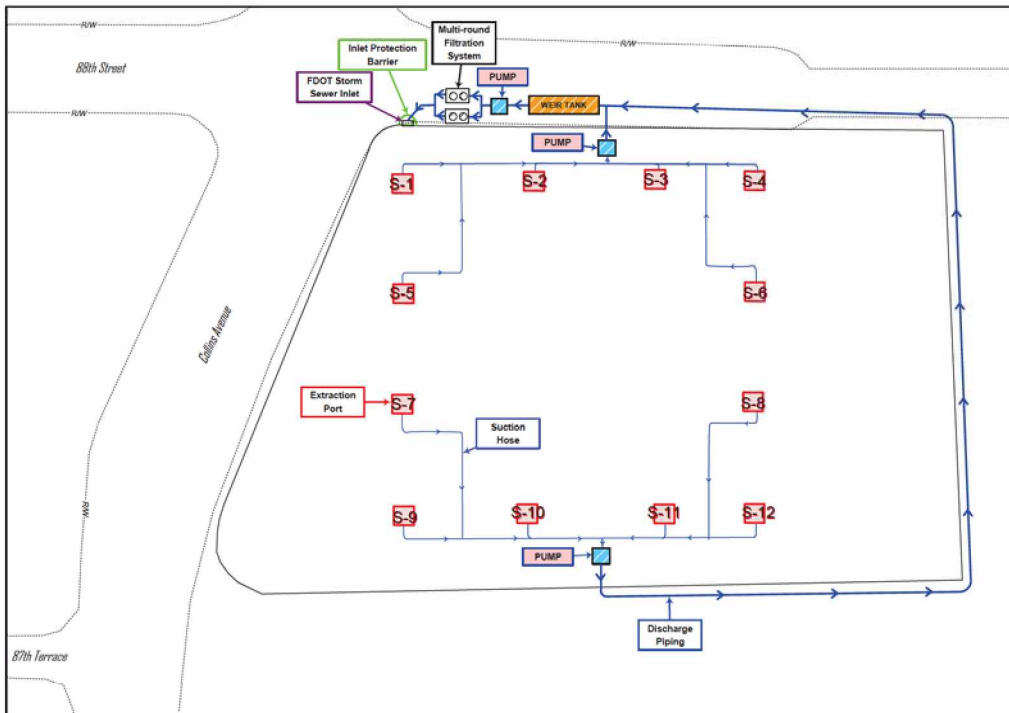
FIGURE 1 - PROJECT LOCATION MAP

SCALE: 1" = 200'

DATE: 08/25/2021

DRAWN BY: KE

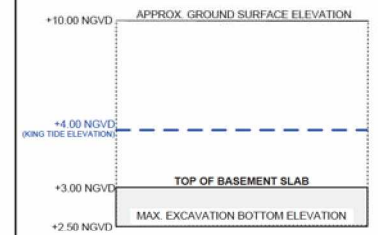
O: (954) 202 9226 || E: ADMIN@TIERRACONSULTING.COM || WWW.TIERRACONSULTING.COM



PROJECT GENERAL NOTES : Maximum Daily Pumpage: 3,169,568 US Gallons/day Maximum Excavation/Dewatering Depth: +2.50 ft NGVD



PROJECT LOCATION MAP



TYPICAL TRENCH DETAIL

	<p>PROJECT: CHAMPLAIN TOWER SOUTH CONDOMINIUM</p> <p>FIGURE 2 - PLAN AND PROFILE VIEW DRAWING (NOT TO SCALE)</p> <p>O: (954) 202 9226 || E: ADMIN@TIERRACONSULTING.COM || WWW.TIERRACONSULTING.COM</p>	<p>CLIENT: BOFAM CONSTRUCTION CO.</p> <p>TCG PROJECT NO. 17920</p> <p>DRAWN BY: KE 08/25/2021</p> <p>SHEET 1 OF 1</p>
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------

Digitally signed by Robert L. Vinson III
 Date: 2021.09.02 06:08:31 +09'00'

This item has been digitally signed and sealed by Robert L. Vinson III, PE License #53438 using a digital seal.
 Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.



PROJECT: CHAMPLAIN TOWER SOUTH CONDOMINIUM

CLIENT: BOFAM CONSTRUCTION CO.

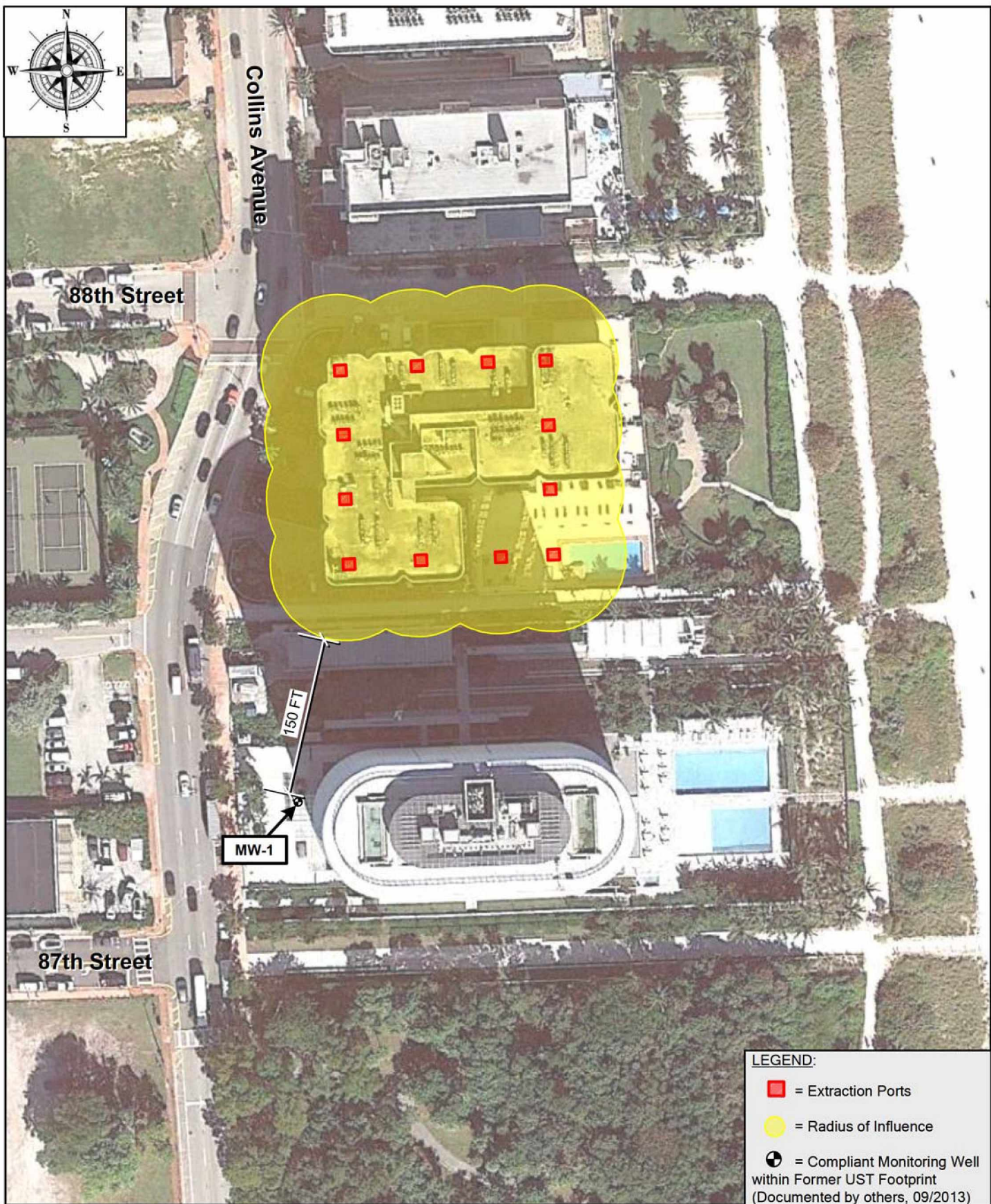
FIGURE 3A - CONTAMINATION
LOCATION MAP

SCALE: 1" = 200'

DATE: 08/25/2021

DRAWN BY: KE

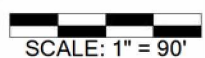
O: (954) 202 9226 || E: ADMIN@TIERRACONSULTING.COM || WWW.TIERRACONSULTING.COM



PROJECT: CHAMPLAIN TOWER SOUTH CONDOMINIUM

CLIENT: BOFAM CONSTRUCTION CO.

FIGURE 3B - RADIUS OF INFLUENCE MAP



DATE: 08/31/2021

DRAWN BY: KE

O: (954) 202 9226 || E: ADMIN@TIERRACONSULTING.COM || WWW.TIERRACONSULTING.COM

ATTACHMENT A

STATE OF FLORIDA
OFFICE OF THE GOVERNOR
EXECUTIVE ORDER NUMBER 21-148
(Emergency Management – Miami-Dade County)

WHEREAS, in the early morning hours of June 24, 2021, a residential condominium building located at 8777 Collins Avenue in Surfside, Florida experienced a major structural collapse; and

WHEREAS, the structural collapse of the building has resulted in fatalities and approximately one hundred individuals are currently unaccounted for; and

WHEREAS, a substantial portion of the structure has been destroyed and the remainder of the structure has been rendered uninhabitable; and

WHEREAS, multiple agencies have immediately mobilized to respond to this incident, including the Division of Emergency Management, Department of Transportation, Department of Economic Opportunity, Department of Financial Services, and the Florida Department of Law Enforcement, which are conducting day-to-day mutual aid operations in coordination and cooperation with local officials; and

WHEREAS, as Governor, I am responsible to meet the dangers presented to this State and its people by this emergency.

NOW, THEREFORE, I, RON DESANTIS, as Governor of Florida, by virtue of the authority vested in me by Article IV, Section 1(a) of the Florida Constitution and by the Florida Emergency Management Act, as amended, and all other applicable laws, promulgate the following Executive Order, to take immediate effect:

Section 1. Because of the foregoing conditions, I declare that a state of emergency exists in Miami-Dade County.

Section 2. I designate the Director of the Division of Emergency Management as the State Coordinating Officer for the duration of this emergency and direct him to execute the State's Comprehensive Emergency Management Plan and other response, recovery, and mitigation plans necessary to cope with the emergency. Pursuant to section 252.36(1)(a), Florida Statutes, I delegate to the State Coordinating Officer the authority to exercise those powers delineated in sections 252.36(5)-(10), Florida Statutes, which he shall exercise as needed to meet this emergency, subject to the limitations of section 252.33, Florida Statutes. In exercising the powers delegated by this Executive Order, the State Coordinating Officer shall confer with the Governor to the fullest extent practicable. The State Coordinating Officer shall also have the authority to:

A. Invoke and administer the Emergency Management Assistance Compact ("EMAC") (sections 252.921-252.9335, Florida Statutes) and other compacts and agreements existing between the State of Florida and other states, and the further authority to coordinate the allocation of resources from such other states that are made available to Florida under such compacts and agreements so as best to meet this emergency.

B. Seek direct assistance and enter into agreements with any and all agencies of the United States Government as may be needed to meet the emergency.

C. Direct all state, regional and local governmental agencies, including law enforcement agencies, to identify personnel needed from those agencies to assist in meeting the response, recovery, and mitigation needs created by this emergency, and to place all such personnel under the direct command and coordination of the State Coordinating Officer to meet this emergency.

D. Designate additional Deputy State Coordinating Officers as necessary.

E. Suspend the effect of any statute, rule, or order that would in any way prevent, hinder, or delay any mitigation, response, or recovery action necessary to cope with this

emergency, including to the extent necessary to provide budget authority for state agencies to cope with this emergency.

F. Enter orders as may be needed to implement any of the foregoing powers; however, the requirements of sections 252.46 and 120.54(4), Florida Statutes, do not apply to any such orders issued by the State Coordinating Officer. No such order shall remain in effect beyond the expiration of this Executive Order, to include any extension.

Section 3. All State agencies entering emergency final orders or other final actions in response to this emergency shall advise the State Coordinating Officer contemporaneously or as soon as practicable.

Section 4. Pursuant to section 501.160, Florida Statutes, it is unlawful and a violation of section 501.204, Florida Statutes, for a person to rent or sell or offer to rent or sell at an unconscionable price within the area for which the state of emergency is declared, any essential commodity including, but not limited to, supplies, services, provisions, or equipment that is necessary for consumption or use as a direct result of the emergency.

Section 5. In accordance with section 252.37(2), Florida Statutes, I direct that sufficient funds be made available, as needed, by transferring and expending moneys appropriated for other purposes, moneys from unappropriated surplus funds, or from the Budget Stabilization Fund.

Section 6. All actions taken by the Director of the Division of Emergency Management with respect to this emergency before the issuance of this Executive Order are ratified. This Executive Order shall expire thirty (30) days from this date unless extended.

Section 7. This order is effective immediately.



IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Florida to be affixed, at Tallahassee, this 24th day of June, 2021.


GOVERNOR

ATTEST:


SECRETARY OF STATE

FILED

2021 JUN 24 PM 5:32

DEPARTMENT OF STATE
TALLAHASSEE, FL

ATTACHMENT B

STATE OF FLORIDA

OFFICE OF THE GOVERNOR

EXECUTIVE ORDER NUMBER 21-174

(Emergency Management – Extension of Executive Order 21-148 – Miami-Dade County)

WHEREAS, on June 24, 2021, I issued Executive Order 21-148, declaring a state of emergency in Miami-Dade County in response to the major structural building collapse at 8777 Collins Avenue in Surfside, Florida; and

WHEREAS, local, state, and federal emergency response teams have been working tirelessly around the clock in coordinated response, rescue, and recovery efforts; and

WHEREAS, the cause of the structural building collapse remains unknown; and

WHEREAS, Executive Order 21-148 expires on July 24, 2021, unless extended; and

WHEREAS, recovery efforts in Surfside are ongoing and require the continued support of the State of Florida; and

WHEREAS, the State of Florida continues to implement budgetary response efforts to help Floridians to the greatest extent possible; and

WHEREAS, as Governor of Florida, I am committed to providing all available resources and assistance for the Surfside community to cope with this terrible disaster.

NOW, THEREFORE, I, RON DESANTIS, as Governor of Florida, by virtue of the authority vested in me by Article IV, Section 1(a) of the Florida Constitution and by the Florida Emergency Management Act, as amended, and all other applicable laws, promulgate the following Executive Order, to take immediate effect:

Section 1. The state of emergency declared in Miami-Dade County and all provisions of Executive Order 21-148 are renewed for sixty (60) days following the date of this Executive Order.

Section 2. All actions taken by the Director of the Division of Emergency Management as the State Coordinating Officer with respect to this emergency before the issuance of this Executive Order are ratified, and he is directed to continue to execute the State of Florida Comprehensive Emergency Management Plan and other response, recovery, and mitigation plans necessary to cope with this emergency.

Section 3. Except as amended herein, Executive Order 21-148 is ratified and reaffirmed.

Section 4. This Executive Order is effective immediately.



IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Florida to be affixed, at Tallahassee, this 22nd day of July, 2021.

A blue ink signature of Governor Ron DeSantis, written in a cursive style.

GOVERNOR

ATTEST:

A blue ink signature of Laurel M. Lee, written in a cursive style.
SECRETARY OF STATE

FILED

2021 JUL 22 PM 5:08

DEPARTMENT OF STATE
TALLAHASSEE, FL

ATTACHMENT C

[Home \(/global/home.page\)](#) > [Fire Rescue \(/global/fire/home.page\)](#) > [Building Collapse \(/global/emergency/building-collapse/home.page\)](#) > Emergency Order 01-21

MIAMI-DADE COUNTY DECLARATION EMERGENCY ORDER 01-21

Share: [f](#) [🐦](#)

WHEREAS, section 252.38(3)(a), Florida Statutes, grants authority to political subdivisions to exercise certain emergency management powers to provide for the health and safety of persons and property; and

WHEREAS, in connection with those emergency management powers, section 252.38, Florida Statutes, further grants authority to political subdivisions to declare and enact a Local State of Emergency, and waive the procedures and formalities otherwise required of the political subdivision by law; and

WHEREAS, under chapter 8B of the Code of Miami-Dade County, the County Mayor is responsible for the overall emergency management function in Miami-Dade County and is authorized to declare a Local State of Emergency in and for Miami-Dade County and to issue executive orders and to take various actions to address such emergency; and

WHEREAS, in the early morning hours of June 24, 2021, a portion of the residential building located at 8777 Collins Avenue, known as Champlain Towers South (the "Disaster Site"), collapsed; and

WHEREAS, the County declared a Local State of Emergency related to the collapse on June 24, 2021, and extended that Local State of Emergency for an additional seven days on July 1, 2021; and

WHEREAS, Governor Ron DeSantis issued Executive Order 21-148, declaring a State of Emergency throughout Miami-Dade County as a result of the collapse; and

WHEREAS, Miami-Dade County provides fire and rescue services within the Town of Surfside, and Miami-Dade County first responders were immediately deployed to the Disaster Site and its surrounding area to aid in the search and rescue operation at the disaster site; and

WHEREAS, search and rescue and family reunification operations are still ongoing;

however, a substantial number of individuals are still unaccounted for; and

WHEREAS, Miami-Dade County recognizes the extreme potential for significant loss of life; and

WHEREAS, residents of the portion of Champlain Towers South which remained standing (the "Remaining Structure") were evacuated; and

WHEREAS, the Remaining Structure is not structurally sound, and has begun to behave in ways indicating that it may collapse; and

WHEREAS, ongoing search and rescue operations at the site were forced to halt on July 1, 2021, due to the fear that the Remaining Structure would also collapse, and cause additional damage and serious injury or loss of life, including to the hundreds of search and rescue personnel on site; and

WHEREAS, in the event the Remaining Structure were to collapse uncontrollably, it could collapse into the roadway or onto adjacent buildings, putting additional lives and property at risk; and

WHEREAS, in the event the Remaining Structure were to collapse uncontrollably, it would pose an imminent threat to the health and safety of the residents who live immediately adjacent to the Disaster Site, as the collapse would cause the release of material and debris which may include hazardous organic and inorganic materials and which may also generate harmful airborne particulates and odors; and

WHEREAS, in the event the Remaining Structure were to collapse uncontrollably, it would pose an imminent threat to the health and safety of residents who live immediately adjacent to the Disaster Site, as such collapse could lead to additional fires, such as the ones which have occurred intermittently on the Disaster Site since the collapse; and

WHEREAS, the Miami-Dade Fire Rescue Department continues to maintain jurisdiction over the Disaster Site as it continues ongoing search and rescue efforts; and

WHEREAS, pursuant to section 8-8 of the Code, the County has authority to prevent any imminent threat posed by a violation of the Florida Building code throughout the unincorporated and incorporated areas of Miami-Dade County; and

WHEREAS, pursuant to section 8-5 of the Code, the County has authority over the disposition of unsafe structures throughout the unincorporated and incorporated areas of Miami-Dade County; and

WHEREAS, pursuant to chapter 14 of the Code, the County may take such actions as

are necessary to prevent a violation of the State Fire Code or an imminent threat to human health due to fire risks; and

WHEREAS, the Miami-Dade Police Department has also asserted jurisdiction over the Disaster Site as a potential crime scene and to preserve evidence; and

WHEREAS, section 252.46, Florida Statutes, and section 8B-7(2)(O) of the Code of Miami-Dade County authorize the Mayor to issue any orders necessary for the protection of life and safety; and

WHEREAS, the annual hurricane season for the Atlantic began on June 1, 2021, and during such time, Miami-Dade County is at an elevated risk of tropical windstorm events; and

WHEREAS, the County's interest in preventing an uncontrolled collapse of the Remaining Structure, and the attendant risks to human health, is paramount; and

WHEREAS, the County has consulted with engineers, including engineers employed by the federal government and the State of Florida, and those engineers do not believe that that the Remaining Structure can be salvaged; and

WHEREAS, the above-mentioned engineers as well as experts within the Miami-Dade Fire Rescue Department, have determined that it is not safe to enter into the structure except as needed to protect human lives,

THEREFORE, as County Mayor of Miami-Dade County, I hereby order:

1. All pertinent County personnel shall immediately prepare for the controlled demolition of the Remaining Structure. This Order authorizes the procurement of engineering and construction services on an expedited basis. The Remaining Structure shall be demolished as soon as plans for the demolition are approved and an appropriately licensed contractor is under contract. The demolition shall provide for preservation of evidentiary materials to the extent possible and to the extent consistent with health and safety.
2. Any authority of the Town of Surfside with respect to the permitting of construction or demolition activities on the site are suspended for the duration of the Local State of Emergency, and the County's Building Official shall have sole and exclusive jurisdiction over such activities the Disaster Site. Permitting requirements for such activities are waived for the duration of the Local State of Emergency. All construction or demolition activities which would typically require a permit shall be performed under the supervision of County personnel.
3. All formalities of chapter 8, chapter 14, and chapter 24 of the Code which would prevent an immediate response to this imminent threat are waived.

4. Subject to applicable law, this order shall remain in effect for the duration of the Local State of Emergency unless terminated earlier by the County.
5. This order shall be effective as of 6:00 p.m., July 3, 2021.
6. This order shall be provided to all appropriate media consistent with the requirements of section 8B-7(2)(n) of the Code of Miami-Dade County.

Sec. 24-20. - Abnormal occurrences.

- (1) *Reports required.* In the event of any breakdown or lack of proper functioning of any facility installed or operating under the provisions of this chapter, which causes or may cause improperly treated or untreated potable water or sewage or hazardous materials or industrial wastes to be discharged from the plant or facility, or which causes or may cause a nuisance or sanitary nuisance or the emission of air contaminants in excess of the quantity permitted by the provisions of this chapter, it shall be the duty of the owner or operator thereof to immediately notify the Director or the Director's designee and to take all actions necessary to prevent or minimize air, water or ground pollution. It shall be unlawful to fail to notify the Director or the Director's designee as required herein and said notification shall not be a defense to any civil liability imposed under the provisions of this chapter.
- (2) *Power to stop operation of facility.* If in the judgment of the Director or the Director's designee, the abnormal operation of any facility, equipment, process, or plant is causing or will cause air, water or ground pollution to such extent as to be or become dangerous to the public health, safety or welfare, the Director or the Director's designee may require such corrective measures as may be necessary for the protection of the public on an emergency basis, and the Director or the Director's designee shall have the power and authority to cause all operation(s) of the facility, equipment, process or plant to cease until appropriate corrective measures have been taken by issuing an order to the owner or operator thereof directing the cessation of the operation(s) or by ordering the utility providing water service to the facility or plant to cease providing such service. If the cessation of the operation(s) of any sewage treatment plant would cause greater danger to the public than that caused by the continued operation(s) thereof, the Director or the Director's designee, shall not order such cessation, but shall order that steps be taken immediately to rectify the dangerous condition. Any person polluting the ground or waters of the County shall, within the earliest practicable time, correct the violations caused by the pollution and restore said ground or waters in accordance with the provisions of this chapter. If such person fails to make said restoration, the Director may seek an injunction in a court having jurisdiction to compel said person to perform such restoration. In the alternative and at his election, if restoration is not effected, the Director may restore the ground or waters and shall be reimbursed by the persons causing the pollution for the actual costs of investigation, restoration and prevention. The Director shall institute suit to enforce such reimbursement if it is not made within ten (10) days from demand therefor.
- (3) *Permissible operations.* Discharges or emissions exceeding any of the limits established in this chapter as a direct result of upset conditions in or breakdown of any pollution control equipment or related operating equipment, or as a direct result of the shutdown of such equipment for scheduled maintenance, shall not be deemed to be in violation of the rules establishing such limits, provided that such occurrence shall have been reported to the Director or the Director's designee, as soon as reasonably possible; for scheduled maintenance such report shall be submitted at least twenty-four (24) hours prior to shutdown, and for upset conditions or breakdown such report shall in any case be made within four (4) hours of the occurrence; and provided that the person responsible for such discharge or emission shall, with all practicable speed, initiate and complete appropriate reasonable action to correct the conditions causing such discharge or emission to exceed said limits; to reduce the frequency of occurrence of such conditions; to minimize the amount by which said limits are exceeded; and to reduce the length of time for which said limits are exceeded; and shall, upon request of the Director or the Director's designee, submit a full report of such occurrence, including a statement of all known causes and of the scheduling and nature of the actions taken; provided that the provisions of this subsection shall not be construed to permit any nuisance, sanitary nuisance, or any other conditions dangerous to the public health, safety, or welfare, or as imposing any limitation upon the powers of the Director prescribed in subsection (2) hereof.
- (4) *Emergencies.* Classification and procedure [for emergencies] are as follows:
 - (a) Class A—those emergencies resulting from or due to natural calamitous occurrences such as, but not limited to, hurricanes, tornadoes, fires, floods, or high winds which involve: (i) the loss of human life or limb, (ii) the loss or damage to property, or (iii) the breaks of dams, levees, or water control structures. No permit shall be required for temporary measures taken to correct or give relief from class A emergencies. Immediately after the occurrence of a class A emergency, the Department shall be notified of the emergency. Within fourteen (14) calendar days after the correction of the emergency a report to the Department shall be made setting forth the details of the emergency, the steps taken for its temporary relief, and any pollution control measures which were utilized or are being utilized to prevent pollution of waters over submerged lands or coastal wetlands. A permit is required for any permanent measures subject to the requirements of Division I of Article IV of the Code of Miami-Dade County, and for any permanent measures in relief of class A emergencies.
 - (b) Class B—those emergencies resulting from non-natural disasters such as, but not limited to, bridge collapses, sudden and unpredictable structural collapses and failures, and sudden and unpredictable hazards to navigation which do not threaten the immediate loss of life or property but which will require immediate action for relief. No permit shall be required for temporary measures needed to correct or provide relief for class B emergencies. Temporary measures shall be limited to only those minimum activities required to protect against loss of life, limb, health or property or which immediately threaten plant and animal life. The Department shall be notified in writing within fourteen (14) calendar days after completion of the temporary measures which have been taken. The written notification shall include a description of all activities which have occurred as well as any pollution control measures which were utilized to prevent pollution of waters of the County or wetlands. A permit is required for any permanent measures subject to the requirements of Division I of Article IV of the Code of Miami-Dade County and for any permanent measures taken for relief of class B emergencies.
 - (c) Upon applying for a permit for permanent measures in relief of a Class A or a Class B emergency, the Director or the Director's designee may issue an emergency authorization to proceed with construction, repair, or stabilization activities, subject to conditions, limitations or restrictions. Prior to the issuance of an emergency authorization, the Director or the Director's designee may require the posting of a

performance bond to ensure compliance with the conditions of the emergency authorization, the submittal of plans or sketches of the proposed work, and a plan which details the measures to be taken to prevent or minimize pollution impacts to the work area. If the Director or the Director's designee determines that work allowed by an emergency authorization issued pursuant to Section 24-20(4) has not been performed in accordance with the approved plans upon which the emergency authorization was issued or has not complied with all of the conditions or special conditions of the emergency authorization, the Director or the Director's designee shall notify the permit applicant of such noncompliance and specify a period of time in which the permit applicant shall correct or otherwise bring the work into compliance with the emergency authorization. In the event that the permit applicant fails or is unable to comply with the requirements of the notice, the Director or the Director's designee may, in addition to available enforcement remedies, call the performance bonds for the project.

Emergency authorizations issued pursuant to Section 24-20(4) are temporary in nature and may be suspended or revoked by the Director or the Director's designee in the event of noncompliance with the conditions, limitations, or restrictions of the emergency authorization or non-compliance with the provisions of this chapter. The issuance of an emergency authorization, the decision of the Director or the Director's designee to issue an emergency authorization, the suspension or revocation of an emergency authorization, or the decision of the Director to suspend or revoke an emergency authorization, is not subject to review pursuant to Section 24-11 of the Code of Miami-Dade County, Florida.

(Ord. No. 04-214, §§ 1, 5, 12-2-04; Ord. No. 08-55, § 2, 5-6-08; Ord. No. 12-58, § 2, 7-3-12)

ATTACHMENT D

**Dewatering Calculations - Sichardt's Equation
Champlain Tower South Condominium**

Rectangular Excavation

1. Radius of Influence (m) = $3000 \times \text{Drawdown (m)} \times \sqrt{\text{Hydraulic Conductivity } \left(\frac{\text{m}}{\text{s}}\right)}$

2. Effective Radius (m) = $\sqrt{\frac{\text{Excavation Width (m)} \times \text{Excavation Length (m)}}{\pi \times \text{Hydraulic Conductivity } \left(\frac{\text{m}}{\text{s}}\right) \times [H(m)^2 - h(m)^2]}}$

3. Flow Rate (m^3/s) = $\frac{\pi \times H(m)^2 \times K}{\ln\left(\frac{\text{Radius of Influence (m)}}{\text{Effective Radius (m)}}\right)}$

Excavation	GW Elevation ¹ (ft)	Exc. Bottom Elevation ² (ft)	Drawdown (ft)	Aquifer Head ³ (H) (ft)	Aquifer Head (H) (m)	Dewatered Aquifer Head (h) (ft)	Dewatered Aquifer Head (h) (m)	Hydraulic Conductivity ⁴ (K) (ft/day)	Hydraulic Conductivity (K) (m/s)	Radius of Influence (ROI) (ft)	Radius of Influence (ROI) (m)	Extraction Port Width ⁵ (ft)	Extraction Port Width (m)	Extraction Port Length (ft)	Extraction Port Length (m)	Effective Radius (r _e) (ft)	Effective Radius (r _e) (m)	Total Radius of Influence (ft)	Total Radius of Influence (m)	Flow Rate (gpm)	Pumpage (gallons)
S-1	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-2	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-3	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-4	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-5	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-6	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-7	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-8	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-9	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-10	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-11	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131
S-12	4.00	2.50	1.50	220.00	67.06	218.50	66.60	38.0	0.000134	52.10	15.88	10.00	3.05	10.00	3.05	5.64	1.72	57.75	17.60	183.42	264,131

PROJECT DAILY TOTALS

2,201 3,169,568

TABLE NOTES:

NGVD: National Geodetic Vertical Datum of 1929

¹ Groundwater elevation is +4.0 NGVD determined from the projected King Tide.

² Maximum excavation/dewatering depth is +2.50 ft NGVD

^{3,4} Total head of water table aquifer (H) and hydraulic conductivity (K) as referenced in the 8701 Collins Avenue, Miami Beach, Dewatering Plan, prepared by Florida Civil Inc., August 10, 2015 [CLV-20170062]

⁵ Excavation port width = 10.0 ft and length = 10.0 ft

DEWATERING SUMMARY :

Average pumpage flowrate per extraction point 183 GPM
Maximum Total Daily Pumpage: 3.2 MGD
Estimated maximum project pumpage : 285.3 MG
Approximate dewatering duration: 90 Days

Reviewed and Approved by:

Robert L. Vinson III
Digitally signed by Robert L. Vinson III
Date: 2021.09.02 06:02:16 +0900

Robert L. Vinson III, P.E.
License No. 53438

This item was digitally signed and sealed by Robert L. Vinson III, PE #53438 on 2 September 2021 using a digital seal. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies

**Manual Estimation of the Dewatering Radius of Influence
(Sichardt's Equation) & Dewatering Volumes (Daily Pumpage)**

Project Site: Champlain Tower South Condominium
Location: Surfside, Florida

Summary of Plan Details:

Current grade at the perimeter of the dewatering site varies with an approximate elevation of +10.0 feet relative to National Geodetic Vertical Datum of 1929 (NGVD). The top of the basement slab is approximately +3.0 feet NGVD, and average groundwater elevation is +2.50 feet NGVD. The maximum bottom elevation of the extraction ports is estimated at +2.00 feet NGVD.

Dewatering fluids will be directed from the extraction ports to a 20,000-gallon sedimentation weir tank using two self-priming six-inch (6") pumps to allow settling of larger particulates. A transfer pump will then direct flow to a multi-round bag filter array. The filtered discharge is then directed into a Florida Department of Transportation (FDOT) storm sewer inlet located at the Collins Avenue and 88th Street intersection. A parallel set of two multi- bag filtration skids using 25-micron bag filters will be regularly monitored to ensure sufficient flow capacity is maintained and filters are changed as necessary. The contractor shall inspect and document storm drain line before and after dewatering activities. It is the responsibility of the contractor to desilt storm drain if sediment accumulation is a result of these activities.

Dewatering assumptions are based on continuous pumping to maintain the work area dry. Dewatering duration is estimated at twenty-four (24) hours per day for ninety (90) working days. Specification data for pumps, weir tank, and multi-round bag filter components are included in **Attachment F**.

Variable	Value	US units	Value	Metric Units
Hydraulic Conductivity (k)	38	feet/day	0.000134	meters/second
Aquifer Thickness (H)	220	feet	67.06	meters
Depth to Water	0	feet	0.00	meters
Excavation Depth	1.5	feet	0.46	meters
Open Trench Length (a)	10	feet	3.05	meters
Open Trench Width (b)	10	feet	3.05	meters
π	3.14		3.14	
Number of Extraction Points (n)	1		1	
Pumping Time per day	1440	minutes	1440	minutes

Example Calculation (S-1)

A. Calculation of Radius of Influence (R_0) for an open hole

$$R_0 = 3000 \cdot (H-h) \cdot \sqrt{k}$$

$h = H - (\text{Excavation Depth} - \text{Depth to Water}) =$	66.60	meters
$H - h =$	0.46	meters
Radius of Influence (R_0) =	15.88	meters

B. Calculation of the Effective Radius (R_e) for rectangular excavation area adjustment

$$r_e = \sqrt{[(a \cdot b) / \pi]}$$

$r_e =$	1.72	meters
---------	------	--------

C. Calculation of the Maximum Total Influence ($R_0 + R_e$)

Maximum Total Influence = Radius of influence (A.) + Effective radius of rectangular excavation dimensions (B.)

Maximum Radius of Influence =	17.60	meters
	57.75	feet

D. Dewatering Pump Rate (q) per Extraction Point (n = 1)

$$H^2 - h^2 = (n \cdot q / \pi \cdot k) (\ln R_0 - \ln r_e)$$

$h = H - (\text{Excavation Depth} - \text{Depth to Water})$	66.60	meters
$H^2 - h^2$	61.11	square meters
$\pi \cdot k$	0.000420934	meters/second
$\ln R_0 - \ln r_e$	2.22	
$(H^2 - h^2) / (\ln R_0 - \ln r_e)$	27.49	
$q = ((H^2 - h^2) \cdot \pi \cdot k) / ((\ln R_0 - \ln r_e) \cdot n)$	0.0116	meters ³ /second
$q = ((H^2 - h^2) \cdot \pi \cdot k) / ((\ln R_0 - \ln r_e) \cdot n)$	183.42	US gallons/minute
Maximum Daily Pumpage for largest excavation dewatering demand (q x pumping time) =	264,131	US gallons/day

The calculations presented are deemed appropriate and in accordance with State of Florida Rules and Regulation as certified by a registered Professional Engineer authorized by Chapter 471, Florida Statutes and defined by the Florida State Board of Professional Engineering. To the best of my knowledge, all information summarized in this report is true, accurate, complete, and in accordance with applicable State of Florida Rules and Regulations.

Reviewed and Approved by:

Robert L. Vinson III
Digitally signed by Robert L. Vinson III
Date: 2021.09.02 07:26:26 +0900

This item was digitally signed and sealed by Robert L. Vinson III, PE #53438 on 2 September 2021 using a digital seal. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

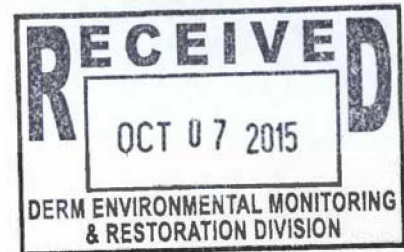
Robert L. Vinson III, P.E.
License No. 53438



Handwritten signature and initials in blue ink.

DEWATERING ENGINEERS, ENVIRONMENTAL SERVICES
970 WEST MCNAB ROAD, SUITE 210, FORT LAUDERDALE, FLORIDA 33309
ENGINEERING@FLORIDA-CIVIL.COM 754-222-9259

PROPOSED DEWATERING PLAN



SUBMITTED TO: Pollution Remediation Section
Miami-Dade County
Division of Environmental Resources Management
701 NW 1st Court, 4th Floor
Miami, Florida 33136-3912

SUBJECT: 8701 Collins Avenue Proposed Multistory Structure
8701 Collins Avenue
Miami Beach, FL 33154
Florida Civil Project No. 15056

ON BEHALF OF: 8701 Collins Development LLC
2665 S. Bayshore Drive, Suite 1020
Miami, FL 33133

RE: Nirvana Café LLC (County ID # UT-4471)
8701 Collins Avenue
Miami Beach, FL 33154

TECHNICAL REPORT

MONDAY, OCTOBER 5, 2015

Hydraulic Conductivity (K):
 FT / DAY 145
 38 1.34E-04

Aquifer Thickness (H):
 H (ft) 220
 H (m) 67.05

Section	Description	Q.W. Elev. 3	Excavation Dimensions		Lowest Excavate Elev.	Dewatered Elev.	Draw- down H-h ft	Draw- down H-h m
			Width ft	Length ft				
ZONE 1	96-PC	2.50	225	91	-10.50	-11.50	14.00	4.27
ZONE 2	1-PC	2.50	180	210	-7.33	-8.33	10.83	3.30
ZONE 3	8-PC	2.50	187	210	-7.33	-8.33	10.83	3.30

Section	Description	Lowest Excavate Elev. ft	(H-h) m	Calc. Radial Flowrate Q m ³ /s	Calc. Radial Flowrate Q gpm	Flowrate Adjustment Q gpm
ZONE 1	96-PC	-10.50	554	0.130	2080	-435
ZONE 2	1-PC	-7.33	432	0.137	2178	-1576
ZONE 3	8-PC	-7.33	432	0.143	2270	-1591

Section	Description	Flowrate Q gpm	Pumping Time hr/ day	Pumping Time min/ day	Daily Pumpage MGD	Estimated Days of Pumping
ZONE 1	96-PC	1625	24	1440	2.3	40
ZONE 2	1-PC	602	24	1440	0.9	15
ZONE 3	8-PC	679	26	1900	1.0	15
AVERAGE		968			MAX 2.339	

Total Flow
 Rate 4
 Q
 gpm

Total
 Pumpage
 MGD

93.58
 13.00
 15.27
 TOTAL 106.58

FLOW SUMMARY

Average pumpage (gall / min) = 968
 Maximum daily pumpage (MGD) = 2.3394
 Estimated Project Pumpage, in Millions of Gallons: 106.6
 Total days of pumping (est.) 55

NOTES:

1. Averaged K value obtained from May 21, 2014 Borehole Drainage Test Report prepared by NVS for 8701 Collins project.
2. H obtained from USGS Map.
3. See Sheet DW-Q for reference datum.
4. Flowrates may vary significantly due to unforeseen and heterogeneous subsurface conditions, fluctuations in water table elevation, seasonal and weather conditions.
5. Confining effects of sheet piling were neglected.

DEWATERING CALCULATIONS

No.	Revision/Issue	Date

FLORIDACIVIL
 2637 E. ATLANTIC BLVD., #143
 FORT LAUDERDALE, FL 33308
 754.255.9259
 engineering@floridacivil.com
 FL C.A. 29548

PROJECT NAME:
 8701 COLLINS AVE
 8701 COLLINS AVENUE
 MIAMI BEACH, FL 33154
 OWNER:
 8701 COLLINS
 DEVELOPMENT LLC
 2665 S. BAYSHORE DR
 STE 1020
 MIAMI, FL 33133

PREPARED FOR
 (CONTRACTOR):
**JOHN MORIARTY
 & ASSOCIATES**
 1943 TYLER STREET
 HOLLYWOOD, FL 33020

CALCULATIONS

MATTHEW S. MILINSKI
 LICENSE # 58704
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 MATTHEW M. MASSEKI, PE
 LICENSE # 58704

Project 15056
 Date 08.10.15
 Title SEE GRAPHIC
 Drawn By G.N.
 Checked By M.M.
 DW-3-D

ATTACHMENT E



ENVIRONMENTAL SERVICES, LLC

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

**HOWARD JOHNSONS PLAZA DEZERLAND BEACH
8701 COLLINS AVENUE
MIAMI BEACH, MIAMI-DADE COUNTY, FLORIDA 33154
FOLIO NO.: 02-3202-006-0010 and 02-3202-006-0420**

Prepared For:

**Terra World Investments, LLC
2665 South Bayshore Drive, Suite 1020
Miami, FL 33133**

Prepared by:

**EE&G Environmental Services, LLC
5751 Miami Lakes Drive
Miami Lakes, Florida 33014
(305) 374-8300**

**Report Issuance Date: October 11, 2013
Report Viability Date: March 24, 2014**

Project No.: 2013-3305

EXECUTIVE SUMMARY

At the request of the Terra World Investments, LLC (the Client), EE&G Environmental Services, LLC (EE&G) has performed a Phase I Environmental Site Assessment (ESA) of the following property. This assessment has been conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05.

Summary of Property Details	
Property Name:	Howard Johnsons Plaza Dezerland Beach
Property Address:	8701 Collins Avenue, Miami Beach, Miami-Dade County, Florida 33140
Folio No.:	02-3202-006-0010 and 02-3202-006-0420
Property Size:	02-3202-006-0010 measures approximately 73,675 square feet in size and 02-3202-006-0420 measures approximately 15, 312 square feet in size. Total property size is approximately 88,987 square feet in size or approximately 2.04 acres
Onsite Structures/Date of Construction:	The <i>Property</i> was developed with a nine-story hotel, measuring approximately 159,420 square feet in size. According to the Miami-Dade Property Appraiser the hotel building was constructed in 1951.
Historical Uses:	Hotel.
Property Use:	Hotel and parking lot.
Current Tenants:	Howard Johnsons Plaza Dezerland Beach

CONCLUSIONS & RECOMMENDATIONS

EE&G has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice Designation E 1527-05 of the Howard Johnsons Plaza Dezerland Beach, located at 8701 Collins Avenue in Miami Beach, Miami-Dade County, Florida 33140 (hereafter referred to as the "*Property*"). The *Property* also is identified by the Miami-Dade County Property Appraiser folio number: 02-3202-006-0010 and 02-3202-006-0420. Exceptions to, or deletions from, this assessment are described in Section 1.4 of this report. This assessment has revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the *Property*.

A heating oil underground storage tank (UST) was previously located on the northwestern corner of the existing hotel building, and was removed in 1995. The regulatory file documented that groundwater samples collected from the excavation area did not contain the presence of polynuclear aromatic hydrocarbons (PAHs) or oil/grease. EE&G interviewed Ms. Tricia Kong of the Miami-Dade County Division of Environmental Resources Management (DERM), who confirmed that DERM had closed this case requesting no further action. On September 27, 2013, EE&G collected groundwater samples from the existing monitoring well, which was located in the former UST area. Groundwater samples did not contain the presence of volatile organic compounds (VOCs), total petroleum hydrocarbons (TPHs) or PAHs above Groundwater Cleanup Target Levels. Based on the regulatory closure status and the confirmation groundwater samples results, EE&G concluded that the former UST was a Historical REC.

While no evidence of a UST was observed on the western parking lot parcel during the site reconnaissance, it is possible another heating oil UST may have been used in the past. Therefore, in the event that a UST is encountered during future redevelopment, or the presence of petroleum-affected soils near the former onsite UST, removal should be conducted in accordance with State and County guidelines, under the supervision of a Florida-licensed Professional Geologist or Professional Engineer.

As documented in Section 4.5.1 of ASTM E 1527-05, “no environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property.” Therefore, environmental conditions may exist on the *Property* that could not be identified through the scope of this investigation.

ATTACHMENT F



DuraFlo™ HTC006

HTC006 - Hydraulic Submersible Trash Pump and 1200D Drive Unit

APPLICATIONS:

Flood Control

Industrial

Bypass Pumping

Stormwater Drainage

Construction Dewatering

Agriculture

Aquaculture

Quarries

The MWI DuraFlo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for: drying out construction excavations, quarry dewatering, bypassing sewage, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. DuraFlos never quit – positively affecting your success and bottom line.

FEATURES

1200D Diesel Engine Drive Unit

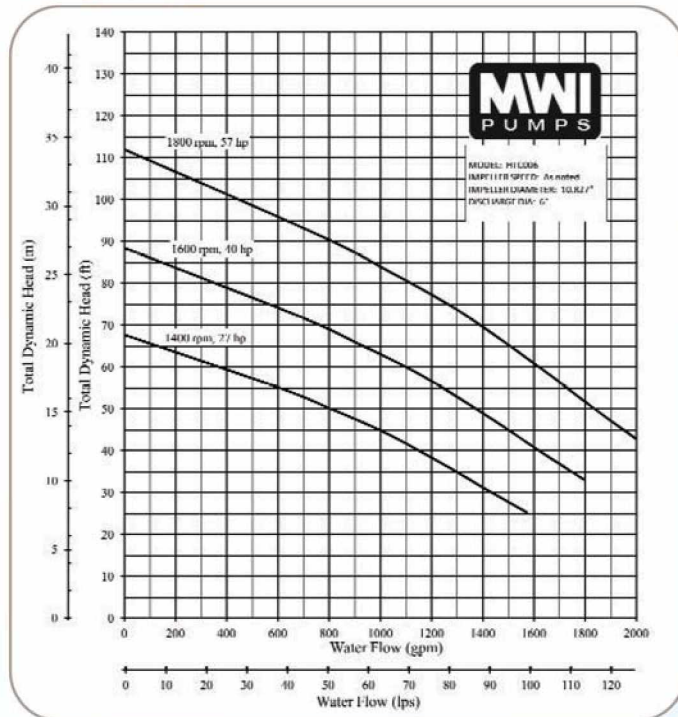
- Skid mounted unit - Standard
 - Trailer mounted unit available
 - With optional fenders, DOT light kit and braking system
- Engine and hydraulic safety shutdowns
- Complete Hydraulic System with control panel, pump, filters, tank and gauges
- Small hydraulic tank reduces fluid replacement costs
- Reliable, efficient Vane Hydraulic Pump
- Environmentally friendly - inherently biodegradable hydraulic fluid
- Auto Start Stop Panel available with floats

DuraFlo™ - HTC006

- Open 3 bladed impeller for handling trash and sewage
 - Easily passes 3" solids
- Runs dry indefinitely
 - Oil lubricated seals and bearings
- Reliable, rugged Vane Hydraulic Motor
- Replaceable wear plates
- Lifting point
- Cast steel volute - Weldable and shock proof



PERFORMANCE



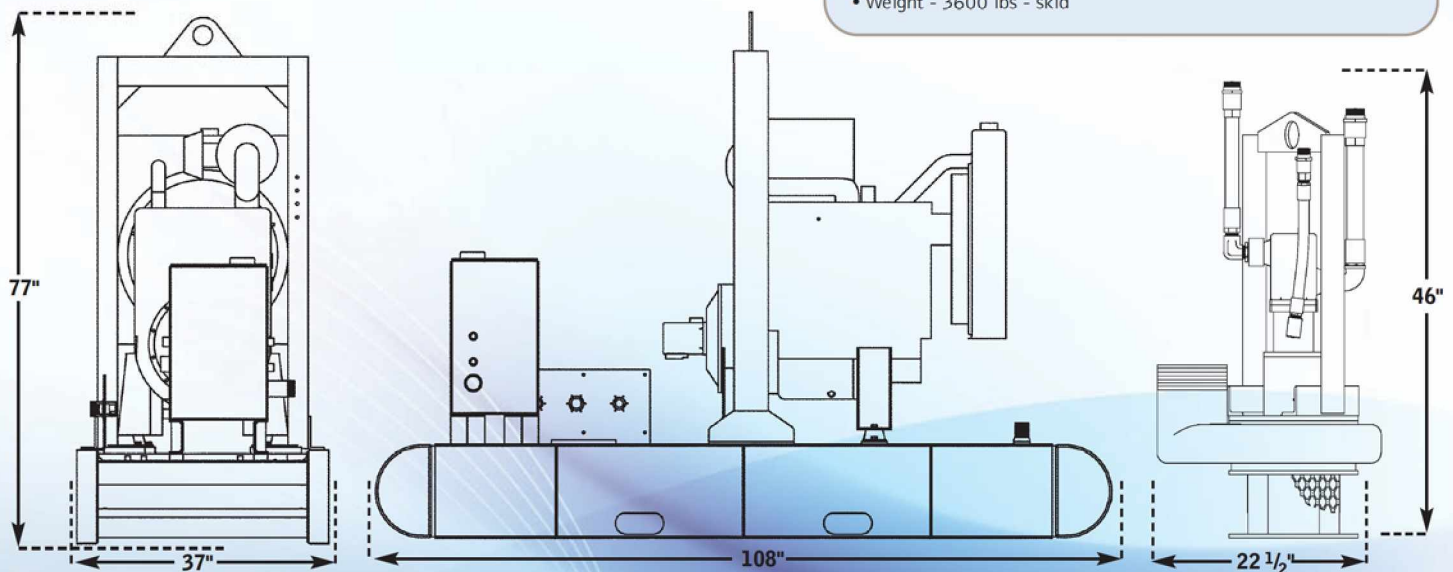
MATERIALS & SPECIFICATIONS

HTC006

- Hydraulic Motor - Dennison Vane Type
- Impeller - 3 bladed open - A 36 steel
- Shaft material - 300 series stainless steel
- Volute - High strength, cast steel-nautilus design
- Wear plates - A36 steel - upper and lower
- Discharge - 6" Male NPT
- Hydraulic quick disconnects - 1" Supply, 1 1/4" Return, 3/4" Case Drain
- Mechanical seal - Silicone carbide - Hydraulic-fluid bathed
- Bearings - Hydraulic-fluid lubricated - 50,000 hours - Minimum life.
- Weight - 315 lbs
- Coating - MoTar Standard - Epoxy optional

1200D Drive Unit

- Diesel engine 85 HP
- Engine panel with tach, hour meter, high coolant temperature and low oil pressure shutdowns plus over speed protection.
- 94 gallon vented fuel tank with extra large filler and fuel gauge.
- 10 gallon hydraulic fluid tank
- Safety shutdowns for low hydraulic oil, excessive vacuum and high hydraulic oil temperature.
- Equipped with an internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap.
- Hydraulic pump - Dennison Vane type
- Weight - 3600 lbs - skid



MWI Corp. DuraFlo is a registered trademark.
Copyright 2012. All rights reserved. Designs and specifications may change due to continual improvement of our products. P0612

Moving Water Worldwide - Reliably and Efficiently

201 N. Federal Highway Deerfield Beach, Florida 33441 USA
Phone: (954) 426-1500 Fax: (954) 426-1582 E-mail: info@mwicorp.com www.mwipumps.com

PRODUCT DATA SHEET

January, 2007

FLIP TOP WEIR TANK

(VE ENTERPRISES VERSION)

GENERAL INFORMATION

This fixed-axle tank is fitted with two internal weirs and 14 top inspection doors.

WEIGHTS AND MEASURES

» Capacity:	.....	20,000 gallons
» Height:	.....	8'-6 1/4" (grade to tank roof) 12'-8 1/2" (grade to top of handrails when up)
» Width :	.....	8'-6"
» Length:	.....	45'-7 1/2" (tank only), 50'-0" (nose-to-bumper)
» Weight:	.....	33,000 lbs.

STRUCTURAL DESIGN

» Floor:	.....	1/4" ASTM A36 carbon steel. "V" bottom sloping from each side to centerline of tank
» Sides/Ends:	.....	1/4" ASTM A36 carbon steel, corrugated shape
» Roof Deck:	.....	1/4" ASTM A36 carbon steel
» Wall Frame:	.....	Corrugations only, no internal frame
» Internal Weirs:	.....	Two internal steel weirs equally spaced to create three compartments inside tank. Overflow weir (forward weir) extends from floor up to one foot from top of tank. Underflow weir extends down from roof and terminates one foot from floor seam at sidewalls. Designed for 16 lbs. per gallon liquid on one side of weir and no liquid on the other side.

FEATURES

» Relief Valve:	.....	None
» Valves:	.....	(2) 4" wafer style butterfly valve, Bray series 30 or equivalent, with cast iron body, Buna-N seat and seals, 316 SS stem, Nylon 11 coated ductile iron disk

FEATURES – cont.

» Fill Line:	.....	One 3-inch schedule 40 ASTM A106B pipe with cap and securing chain. Line enters front of tank near top with dip tube into first compartment down approx. halfway from bottom of tank where it 90° elbows into compartment.
» Front Drain:	.....	One 4" wafer style butterfly valve. Mounted on 150# weld neck flange on tank side and 150# FPT flange on outside with plug and chain.
» Rear Drain:	.....	One 4" wafer style butterfly valve. Mounted on 150# weld neck flange on tank side and 150# FPT flange on outside with plug and chain. Remote-operation handle.
» Rear Process Outlet:	.....	One (1) 4" flanged and blinded nozzle 18" below roof deck
» Top Doors:	.....	14- 51"x39"x10ga plate lids
» Manways:	.....	Three (3) 22" diameter, passenger side
» Manway Seals:	.....	Buna-N (NBR)
» Stairway:	.....	OSHA compliant non-slip stairway with handrails and guardrails
» Walkway:	.....	Full length of tank with guardrails on both sides; door handles accessible

SURFACE DETAILS

» Exterior Coating:	.....	High gloss polyurethane
» Interior Coating:	.....	Chemical resistant lining

TESTS/CERTIFICATIONS

» Test Performed:	100% water-tested to full capacity by OEM, plus level 1, 2 & 3 QMS inspections by Baker Tanks
-------------------	-------	-----------------------------------------------------------------------------------------------



888.993.1179 proact-usa.com

Dual 8-Stage Bag Filter Unit 747 Specification Sheet

Innovative Air & Water Treatment Solutions



General Specifications:

- 800 gpm per pod maximum flow rate
- 100 psig maximum pressure
- P2 bag size

Dimensions:

- 41 in. x 66 in. x 106 in.
- 6 in. manifold
- 6 in. isolation valves
- 1,716 lb. empty weight
- 3,696 lb. working weight

Main Equipment:

- 16 total filter housings in carbon steel pods by Filtra-Systems
- Fluid-filled dial-faced pressure gauges

Connections:

- 6 in. ANSI flanged in/out connection
- 1-1/4 in. drain plug on inlet and outlet pipes
- 1/2 in. NPT connections (two in each lid)

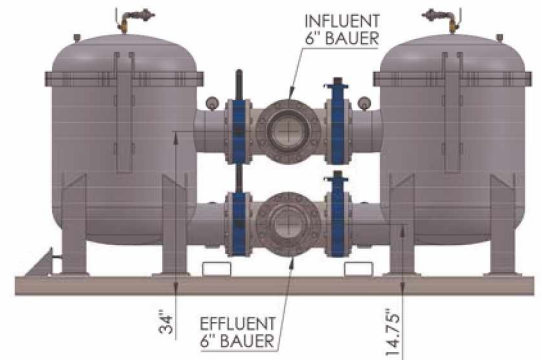
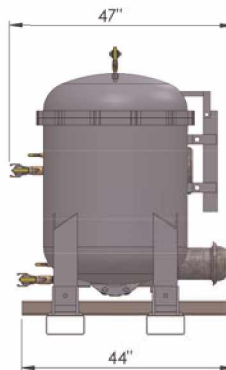
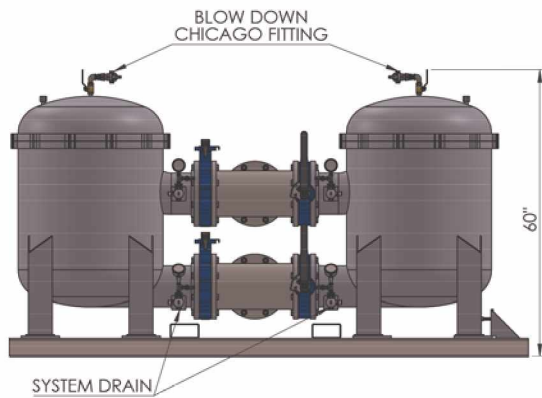
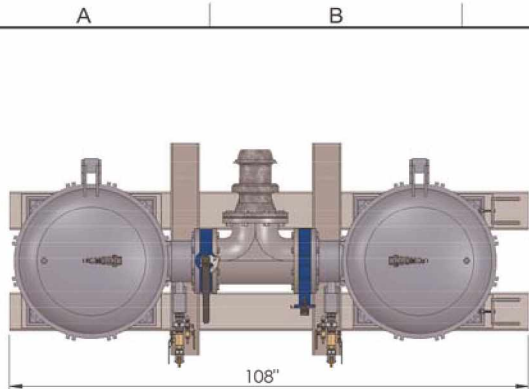
Features:

- Skid-mounted

At ProAct Services, our mission is to innovatively provide environmental air and water treatment solutions with exceptional service guided by prideful workmanship, superior concern for safety and commitment to client satisfaction.

CONFIDENTIALITY NOTICE: The information in this document is legally protected and supplied with the understanding that they will be held confidentially and not disclosed to third parties without the prior written consent of ProAct Services Corporation. U. S. export laws may also apply, and export or re-export of this information is prohibited.

Safety • Quality • Teamwork • Professionalism • Positive Attitude



SIZE B	SCALE 1:20	REV A
DRW: JDS		
DATE 12/21/2017		SHEET 1-1



ALL INFORMATION
CONTAINED HEREIN
IS UNCLASSIFIED
DATE 12/21/2017
BY 60321
REASON: DECLASSIFICATION

SALES DRAWING
MAIN ASSEMBLY
DRAWING NO. 30000029

ATTACHMENT G

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
GENERAL USE PERMITDate: 8/27/2021 Permit No.: 2021-K-691-00082Name of Applicant or Authorized Agent: Austin AkinrinEntity (if applicable): Bofam Construction Co.

(If entity, furnish contact information for responsible representative)

Address: 1600 NW 3 Ave Zip Code: 33136City/State: Miami, Florida Telephone No.: (754) 245-0102 ext. _____Email Address: austin@bofaminc.com**Activity / Project Site**County: Miami-Dade State Road: SR A1A Section: 060, 000From Mile Post: 10.452 to Mile Post: 10.595Construction Proposed or Underway: Yes ☒ No ☐ FM Project No.: _____

Name of Municipality if Work is within Limits: _____

Description of Work Activity:

Dewatering activities at 8777 Collins Avenue**General Provisions**

1. Attach any pertinent plans or drawings.
2. Attach notification letters sent to any Utilities both aerial and underground that will be potentially impacted.
3. The designated FDOT Engineer shall be notified 48 hours prior to beginning of work.
Contact Ricardo Hernandez at 3056407172.
4. All work, materials and equipment shall be subject to inspection and approval by FDOT. Applicants certification of work at completion is required.
5. The permittee shall be responsible to place and display safety devices and proper maintenance of traffic in accordance with the latest version of the Department's Design Standards, index series 600, or an alternative plan signed and sealed by a professional Engineer and attached with the permit.
6. All FDOT property shall be restored to its original condition. Any damage to FDOT property as a result of this work shall be repaired and restored in a manner acceptable to the FDOT at the sole expense of the permittee.

Approved
2021-K-691-00082
Elizabeth Jett
8/31/2021

Special Provisions

SEE ATTACHMENTS
WORK WITHIN THE F.D.O.T. RIGHT OF WAY SHALL CONFORM TO CURRENT F.D.O.T. STANDARDS AND SPECIFICATIONS
Permit APPROVAL IN NO WAY CONSTITUTES THAT THE PERMITTED HAS AN APPROVED LANE CLOSURE.
PLEASE COORDINATE A PRE-CONSTRUCTION MEETING WITH FDOT FIELD INSPECTOR.

Conditions

1. In the event the permittee fails to meet any of the requirements of this permit by the FDOT, the permitted activity must cease until brought into compliance. If compliance can not be met, then the permit will be rendered void and said work shall be removed from the right of way at no cost to the FDOT.
2. Work shall commence within 1 days of permit approval.
Work shall be completed by 11/30/2021.
(Date)
3. The rights and privileges herein set out are granted only to the extent of the State's right, title and interest in the land to be entered upon and used by the permittee, and the permittee will, at all times, and to the extent permitted by law, assume all risk of and indemnify, defend and save harmless the State of Florida and the FDOT from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said permittee of the aforesaid rights and privileges.

Applicant

I hereby agree to comply with all terms and conditions set forth and described in this permit.

Austin Akinrin, President Austin Akinrin 8/27/2021
Printed or Typed Name and Title Signature Date

FDOT

Approved By: Elizabeth Jett Elizabeth Jett 8/31/2021
Print Designated Engineer Signature Date
DISTRICT PERMIT ENGINEER
Title

Approved
2021-K-691-00082
Elizabeth Jett
8/31/2021

SPECIAL PROVISIONS FOR PERMIT # 2021 K 691 00082
SECTION # 87060, STATE ROAD # A1A
GENERAL USE PERMIT: DEWATERING ACTIVITIES AT 8777 COLLINS AVENUE

1. COORDINATE PRE-CONSTRUCTION MEETING MR. RICARDO HERNANDEZ at 305) 640-7172, Cell: 786-877-3958
Email: Ricardo.hernandez@dot.state.fl.us at least forty-eight (48) hours prior to commencement of work.
2. APPROVAL OF THIS DEWATERING PERMIT IS CONTINGENT TO THE APPROVAL OF DERM CLASS V DEWATERING PERMIT.
3. SUBMIT A DETAILED LANE CLOSURE FORM, NOTING WORK AND TIME PHASES THRU THE LANE CLOSURE INFORMATION SYSTEM (LCIS) AT <https://LCISv2.com> THE LANE CLOSURE REQUEST SHALL BE APPROVED BY THE DEPARTMENT AT LEAST 2 WEEKS PRIOR TO BEGINNING WORK WITHIN THE FDOT RIGHT OF WAY. THERE SHALL BE NO LANE CLOSURES (UNLESS APPROVED BY THE DISTRICT MAINTENANCE ENGINEER /OR THE DISTRICT MAINTENANCE OF TRAFFIC SPECIALIST) BETWEEN THANKSGIVING AND NEW YEAR'S EVE DUE TO MORATORIUM.
4. AT LEAST 72 HOURS PRIOR TO INITIAL DEWATERING, THE PERMITTEE SHALL CONTACT THE DISTRICT AT WUCOMPLIANCE@SFWMD.GOV
5. ALL DEWATERING ACTIVITIES SHALL BE CEASED DURING A SEVERE RAINFALL EVENT. DEWATERING ACTIVITIES WOULD BE RESUMED AFTER THE COMPLETE RECESSION TIME OF RAINFALL EVENT.
6. THE PROPOSED PROJECT AREA IS ADJACENT TO THE ATLANTIC OCEAN. NO DEGRADATION OF WATER QUALITY, INCREASED TURBIDITY OF THE WATER, AND/OR THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL BE PERMITTED.
7. BE AWARE THAT DUE TO THE PROPOSED DEWATERING AND EFFLUENT DISCHARGE INTO THE FDOT STORM SEWER INLET, ENVIRONMENTAL PERMITS MAY BE REQUIRED. THIS PERMIT IS RELIANT UPON ALL ACTIONS CARRIED OUT IN ACCORDANCE WITH ALL STATE AND LOCAL ENVIRONMENTAL REGULATORY REQUIREMENTS.
8. BE AWARE THAT THE PROPOSED WORK IS WITHIN THE CONSULTATION AREA FOR THE FLORIDA BONNETED BAT, WEST INDIAN MANATEE, PIPING PLOVER, AND THE AMERICAN CROCODILE WHICH ARE ALL FEDERALLY LISTED THREATENED/ENDANGERED SPECIES AND ENVIRONMENTAL PERMITS MAY BE REQUIRED. PLEASE BE AWARE THAT THE PROPOSED WORK IS WITHIN A WILDLIFE SENSITIVE CONVENTIONAL LIGHTING AREA FOR SEA TURTLES, ENVIRONMENTAL PERMITS AND/OR MIAMI DADE COUNTY REGULATORY AND ECONOMIC RESOURCES REVIEW MAY BE REQUIRED IF LIGHTING IS REQUIRED FOR THE PROPOSED DEWATERING. THE PROJECT CORRIDOR IS WITHIN THE CONSULTATION AREA FOR THE FLORIDA BONNETED BAT WHICH IS LISTED AS AN ENDANGERED SPECIES. TREES IN THE PROJECT AREA HAVE BEEN IDENTIFIED AS POTENTIAL HABITAT FOR THE BAT. PLEASE BE AWARE THAT IF ANY TREE IMPACTS (REMOVALS, RELOCATIONS, TRIMMING, ROOT PRUNING) ARE PROPOSED AS PART OF THIS PROJECT, A SPECIES SURVEY IS MAY BE WARRANTED TO DETERMINE IF ROOSTING OR FORAGING HABITAT EXISTS.
9. THE PERMITTEE MUST ENSURE APPROPRIATE EROSION CONTROL DEVICES ARE IN PLACE BEFORE ANY CONSTRUCTION BEGINS AND ARE USED THROUGHOUT THE DURATION OF CONSTRUCTION.
10. THIS PERMIT IS FOR DEWATERING ONLY. IT DOES NOT ALLOW THE PERMITTEE THE RIGHT TO CLOSE OR MODIFY ANY FACILITIES OF THE FLORIDA DEPARTMENT OF TRANSPORTATION.
11. IN THE EVENT THAT THE ROADWAY PAVEMENT IS DAMAGED, IT MAY BE RESTORED 50-FT. AT EITHER SIDE AND AT FULL LANE WIDTH TO MATCH OR EXCEED EXISTENT CONDITIONS AND IN ACCORDANCE WITH THE DEPARTMENT'S DESIGN STANDARDS AND SPECIFICATIONS. PAVEMENT RESTORATION SCOPE AND METHOD WILL BE AS DIRECTED IN THE FIELD BY THE DEPARTMENT REPRESENTATIVE. DAMAGED PAVEMENT WILL BE RESTORED AT THE EXPENSE OF THE PERMITTEE.
12. THE PERMITTEE SHALL BE RESPONSIBLE FOR DAMAGES TO THE STATE TRANSPORTATION SYSTEM CAUSED BY ITS WORK, AND SHALL MAKE IMMEDIATE REPAIRS NECESSARY TO RETURN THE TRANSPORTATION FACILITY TO ITS CONDITION PRIOR TO ANY UTILITY WORK.
13. IF SOD IS DAMAGED DURING CONSTRUCTION IT MUST BE REPLACED AND MAINTAINED UNTIL THE SOD IS ESTABLISHED. SODDING,

Approved
2021 K 691 00082
Elizabeth Jeff
8/31/2021

SPECIAL PROVISIONS FOR PERMIT # 2021 K 691 00082
SECTION # 87060, STATE ROAD # A1A
GENERAL USE PERMIT: DEWATERING ACTIVITIES AT 8777 COLLINS AVENUE

GRASSING AND MULCHING SHALL BEGIN WITHIN ONE WEEK AFTER UTILITY IS INSTALLED, EXCEPT FRONT AND BACK SLOPES WHICH SHALL BE DONE IMMEDIATELY. THIS WORK SHALL BE DONE ACCORDING TO INDEX 105 AND/OR 281. ALL RESTORED LANDSCAPE SHALL BE MAINTAINED BY THE APPLICANT AT NO ADDITIONAL COST TO THE DEPARTMENT FOR A MINIMUM OF ONE (1) YEAR FROM THE TIME OF FINAL ACCEPTANCE BY THE DEPARTMENT REPRESENTATIVE / DISTRICT LANDSCAPE ARCHITECT, OR DESIGNEE. (FDOT STANDARD SPECS. SECTION 580 & FLORIDA ADMINISTRATIVE CODE CHAPTER 14-40).

14. IF SURFACE CONSTRUCTION OCCURS WITHIN THE DRIP LINES OF EXISTING TREES, PROTECT TREES DURING CONSTRUCTION PER FDOT STANDARD PLANS INDEX 110-100. DO NOT PARK VEHICLES OR STAGE CONSTRUCTION WITHIN THE DRIP LINES OF EXISTING TREES. WHERE CONSTRUCTION AFFECTS TREE ROOTS OR CANOPY, PROVIDE TRIMMING PER FDOT STANDARD SPECIFICATION 110.
15. THE PERMITTEE SHALL ASSURE THAT ANY ACTIONS CARRIED OUT ARE IN ACCORDANCE WITH ALL ENVIRONMENTAL REGULATORY REQUIREMENTS.
16. WHEN THE PERMITTEE'S OPERATIONS ENCOUNTER OR EXPOSE ANY ABNORMAL CONDITIONS WHICH MAY INDICATE THE PRESENCE OF A HAZARDOUS WASTE, TOXIC WASTE, OR CONTAMINANTS, SUCH OPERATIONS SHALL CEASE IMMEDIATELY IN THE VICINITY OF THE ABNORMAL CONDITION AND PERMITTEE SHALL NOTIFY THE DEPARTMENT'S INSPECTOR AND ASSISTANT CONTAMINATION IMPACT COORDINATOR OF THE DISTRICT VI ENVIRONMENTAL MANAGEMENT OFFICE AT 1000 N.W. 111 AVE., MIAMI, FLORIDA 33172 (TELEPHONE NUMBER 305-470-5138 / (305) 986-8641). EVERY EFFORT SHALL BE MADE BY THE PERMITTEE TO MINIMIZE THE SPREAD OF ANY CONTAMINATION INTO UNCONTAMINATED AREAS
17. UNDER NO CIRCUMSTANCES WILL THE PERMITTEE RESUME OPERATIONS IN THE AFFECTED AREA UNTIL SO DIRECTED BY THE DEPARTMENT'S INSPECTOR. THE PERMITTEE SHALL ASSURE THAT ANY ACTIONS CARRIED OUT DURING PERMIT ACTIVITIES ARE IN ACCORDANCE WITH ALL ENVIRONMENTAL AGENCY REQUIREMENTS AND PROVIDE THE DEPARTMENT COPIES OF DELIVERABLES SUBMITTED TO ENVIRONMENTAL REGULATORY AGENCIES. THE REPORTS ARE TO BE SUBMITTED TO THE DISTRICT CONTAMINATION IMPACT COORDINATOR AT 1000 N.W. 111 AVE. (ROOM # 6109), MIAMI, FL. 33172.
18. ANY DAMAGE TO SIDEWALK, RAMPS AND/OR CURB AND GUTTER SHOULD BE RESTORED PER FDOT 2019-2020 DESIGN STANDARDS INDEX NO. 520-001, 522-001 AND 522-002 AND FDOT STANDARD SPECIFICATION 522. ANY DAMAGE TO THE EXISTING ASPHALT SHOULD BE RESTORED PER FDOT INDEX 125-001.
19. THE PERMITTEE IS FULLY RESPONSIBLE FOR ANY DAMAGE, INCIDENTS OR ACCIDENTS CAUSED TO ANYTHING OR ANYONE BY THEIR MOT DEVICES WHILE THEY REMAIN INSTALLED WITHIN FDOT ROW.
20. THE PERMITTEE SHALL PROVIDE AND MAINTAIN SAFE ACCESS TO ANY ADJACENT PROPERTIES ALWAYS, AND SHALL MAINTAIN MAXIMUM SAFETY AND ACCOMMODATIONS FOR PEDESTRIAN TRAFFIC MOVING CLOSE AND/OR CROSSING THE WORK AREA.
21. VALIDITY OF THIS PERMIT IS CONTINGENT UPON PERMITTEE OBTAINING NECESSARY PERMITS FROM ALL OTHER AGENCIES INVOLVED.
22. THE MAINTENANCE OF TRAFFIC (MOT) PLANS MAY BE REVISED AT THE TIME OF THE PRE-CONSTRUCTION MEETING. MOT MUST BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS – INDEX 600, AND M.U.T.C.D. AS A MINIMUM.
23. IF THE PERMITTEE OPERATIONS INTERFERE WITH ANY DEPARTMENT'S FUTURE PROJECT THE PERMITTEE SHALL ABIDE TO THE CONDITIONS OF THE DEPARTMENT PROJECT MANAGER, OTHERWISE THIS PERMIT WILL BECOME NULL AND VOID.
24. PERMITTEE SHALL PROTECT THE SIDEWALK FROM ANY SPILLAGE AND CLEAN UP AFTER ALL ACTIVITIES.
25. A COPY OF THIS PERMIT AND PLANS WILL BE ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION OF THIS FACILITY.

Approved
2021-K-691-00082
Elizabeth Jett
8/31/2021

SPECIAL PROVISIONS FOR PERMIT # 2021 K 691 00082
SECTION # 87060, STATE ROAD # A1A
GENERAL USE PERMIT: DEWATERING ACTIVITIES AT 8777 COLLINS AVENUE

26. PEDESTRIAN TRAFFIC SHOULD BE DETOURED ACROSS THE STREET WHEN LOADING IN THE FDOT RIGHT OF WAY. THIS WORK SHALL BE IN ACCORDANCE WITH THE F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARD INDEX # 660.
27. THE PERMITTEE SHALL PROVIDE AND MAINTAIN SAFE TEMPORARY ACCESS TO ALL ADJACENT PROPERTY AT ALL TIMES AND SHALL MAINTAIN ACCOMMODATIONS FOR INTERSECTING AND CROSSING TRAFFIC WITHIN THE CONSTRUCTIONS ZONE. NO ROAD OR STREET CROSSING SHALL BE BLOCKED OR UNDULY RESTRICTED AS DETERMINED BY THE ENGINEER.
28. IN THE EVENT THAT IT BECOMES NECESSARY TO ACCOMMODATE PASSAGE OF ANY EMERGENCY VEHICLE, PASSAGE SHALL BE MADE AVAILABLE BY CLEARING ALL PERSONNEL AND STAGED EQUIPMENT THAT MAY INTERFERE WITH ITS PASSAGE IMMEDIATELY.
29. PERMITTEE IS CAUTIONED THAT UTILITIES MAY BE LOCATED WITHIN THE CONSTRUCTION AREA.
30. **FINAL RESTORATION SHALL BE COORDINATED WITH THE DEPARTMENT REPRESENTATIVE.** ALL PORTIONS OF THE STATE RIGHT-OF-WAY SHALL BE RESTORED WITHIN THIRTY (30) DAYS UPON COMPLETION OF THE PERMITTED INSTALLATION.
31. **BEGINNING ANY WORK WITHIN THE F.D.O.T. RIGHT-OF-WAY ASSOCIATED WITH THIS PERMIT CONSTITUTES ACCEPTANCE OF THESE CONDITIONS.**

Approved
2021-K-691-00082
Elizabeth Jett
8/31/2021

EXHIBIT “B”



Carlos A. Gimenez, Mayor

Department of Regulatory and Economic Resources

Environmental Resources Management

701 NW 1st Court, 6th Floor

Miami, Florida 33136-3912

T 305-372-6567 F 305-372-6407

miamidade.gov

Class V Dewatering Permit Application Form

For Departmental Use Only

Date Received: _____

Application #: _____

Fee Received: \$ _____

Tracking #: _____

1. Checklist:

☒ Application Fee: Dependent upon duration of dewatering permit (all fees include a 7.5% RER surcharge):

☐ 6 days or less **\$520.00+\$39.00 = \$559.00***

☐ 7-30 days **\$635.00+\$47.63 = \$682.63****

☒ 31-90 days **\$980.00+\$73.50 = \$1053.50****

Note: After-the-Fact Permit applications will be charged a penalty fee amounting to 100% of the original fee, plus departmental administrative enforcement costs.

☒ Complete description of dewatering operation ***

☒ Complete dewatering operation calculations***

☒ Site Plan (site plan shall include project boundaries, location of proposed dewatering activity, sedimentation tanks, turbidity barriers, discharge points, berms, monitoring points, etc.)***

☒ Substantiating letter from city's Zoning Department (changes to plans might required a revised letter)

* Permit issued for less than 30 days, **CANNOT BE EXTENDED**, a new permit application will be required.

** Time extension requests have to file at least thirty calendar days prior to the time of permit expiration.

*** Must be signed and sealed by an engineer, architect or land surveyor, licensed in the State of Florida.

2. Project Information:

Project Name: Champlain Tower South Condominium Folio #: 14-2235-025-0001

This application is for a(n): ☐ New Permit ☒ After the Fact Permit

Location: 8777 Collins Avenue

Section: 35 Township: 52 Range: 42

Municipality: Surfside

Proposed starting date: Upon Permit Issuance

Estimated completion date: TBD

Is the proposed work in a contaminated site? ☐ Yes ☒ No ☐ Unknown

If yes, see Attachment "B"

3. Applicant Information:

This should be the applicant's information for contact purposes.

Name: Mr. Austin G. Akinrin

Company: Bofam Construction Co.

Address: 1600 NW 3rd Avenue, Suite D4

Miami, FL _____ Zip Code: 33136

Phone #: (754)245-0102 Fax: _____

Email: austin@bofaminc.com

4. Applicant's Authorized Permit Agent:

Agent is authorized to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.

Name: Scott Zednek

Company: Tierra Consulting Group

Address: 5809 N. Andrews Way

Fort Lauderdale, FL _____ Zip Code: 33309

Phone #: 954-202-9226 Fax #: _____

Email: scott.zednek@tierraconsulting.com

5. Contractor Information:

Name: Austin Akinrin License # (County/State): CGC 062660

Company: Bofam Construction Co.

Address: 1600 NW 3rd Avenue, Suite D4, Miami Zip Code: 33136

Phone #: (754)245-0102 Fax#: _____ Email: austin@bofaminc.com

6. Performance Bond and/or Mitigation Fee: (to be assessed by Water Control Section)

- This permit may require a performance bond to guarantee that work is accomplished according to plan and that no impact to adjacent properties is generated as a result of the permitted dewatering activity.
- A mitigation fee may be required to compensate for any loss of or impact to natural resources due to the extent and duration of the dewatering activity.

7. APPLICANT AFFIRMATION:

Application is hereby made for a Miami-Dade County Class V 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 apprise the Department of any changes to information provided in this application, 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 4 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 entry to the project site to inspectors and authorized representatives of Miami-Dade County, with proper identification or documents as required by law, for the purpose of preliminary analysis, verification, sampling, monitoring, and observation of permitted activities.

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.)

Bofam Construction Co, Inc. **Corp** **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 (ATTACHMENT "A").

 **Austin Akinrin** **President** **08/25/2021**
 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)

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

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 (ATTACHMENT "A").

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

8. WRITTEN CONSENT OF THE PROPERTY OWNER FOR THE PROPOSED WORK LOCATION

I/We are the fee simple owner(s) of the real property located at 8777 Collins Avenue, Surfside, FL Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio # 14-2235-025-0001. I am aware and familiar with the contents of this application for a Miami-Dade County Class V Permit to perform the work on the subject property, as described in the . I hereby consent to the work identified in this Class V Permit application.

A. IF THE OWNER 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, Trust, LLC, LLP, etc.)

Print Name of Applicant (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 (ATTACHMENT "A").

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

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

Please Review Above

Appropriate signature(s) must be included in:

Box 7: either A, B or C

AND

Box 8: either A or B

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 (sections 7 and 8) portions of the application are completed.

NOTE: THIS APPLICATION SHALL NOT, AT ANY TIME, BE CONSTRUED AS A PERMIT TO PERFORM A DEWATERING ACTIVITY. WHEN PLANS ARE APPROVED, A PERMIT WILL BE ISSUED BY THE WATER CONTROL SECTION.

Class V Permit Application Additional Signatures Page

Project Name: _____

Additional Signatures for: ☐ Applicant ☐ Owner

A. 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
---------------------------------------	----------------------------------------	---------------

B. and C. IF THE APPLICANT/OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON

(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Under the penalty of perjury, I certify that I 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 document, operating agreements, or other applicable agreements or laws, you must attach additional copies of this page.

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------

_____ Signature	_____ Print Name	_____ Title	_____ Date
--------------------	---------------------	----------------	---------------



Carlos A. Gimenez, Mayor

ATTACHMENT (B)

Department of Regulatory and Economic Resources

Environmental Resources Management

701 NW 1st Court, 4th Floor

Miami, Florida 33136-3912

T 305-372-6700 F 305-372-6982

miamidade.gov

TECHNICAL GUIDANCE

RER/ERM

POLLUTION REMEDIATION SECTION

DEWATERING AT CONTAMINATED SITES

3-10-10

MINIMUM REQUIREMENTS

Dewatering activities are often conducted at contaminated sites (or in their vicinity) in order to perform aquifer pumping tests, underground utilities installation, underground tank and piping installations and repairs, among other construction related activities. All dewatering activities at contaminated sites must be coordinated with the RER/ERM's Pollution Remediation Section prior to implementation. The scope of work provided by PRS review is limited to the predicted influent concentrations, treatment of the recovered groundwater and discharge. The PRS review does not evaluate the predicted flow rates or dewatering procedures and groundwater extraction equipment. Approval from other departments, and/or sections and other governmental agencies having jurisdiction over the scope of work must be obtained prior to the implementation of the project. Please contact the Water Control Section (WCS) of RER/ERM at (305) 372-6681 pertaining to Class V Permit requirements for Temporary Dewatering Projects.

PRS PLAN REQUIREMENTS

A dewatering proposal must be submitted to RER/ERM's Pollution Remediating Section (PRS) accompanied by a review fee (refer below for applicable review fees), when disposal into the ground, groundwater, surface waters of the sanitary sewers system is intended. The proposal must include the following:

- a. A scaled site diagram showing the water withdrawal location(s) and the effluent disposal location(s).
 - b. The groundwater extraction rates, operating schedule and overall duration of dewatering at each location.
 - c. The radius of influence (ROI) of the dewatering operations (e.g., based on flow rate(s), duration, etc.).
 - d. Current contaminant concentrations (within 9 months) from the areas to be encompassed by the dewatering operations and the groundwater disposal areas, when disposal into the ground or groundwater is intended.
 - e. The method of contaminant treatment (when applicable) including technical specifications of the treatment system and expected system influent and effluent concentrations. Supporting calculations, bench or pilot test results, or data from similar applications may be submitted to support the treatment system removal efficiency. The design must be signed and sealed by a professional engineer registered in the State of Florida under Chapter 471, F.S.
 - f. The effluent sampling frequency and analysis turnaround time. The treated water must be sampled at the beginning and throughout the operation of the dewatering activities to ensure that applicable standards are not exceeded.
2. Only a notification to the PRS is required if off-site disposal using a tanker truck is intended. A RER/ERM approved waste hauler must be used for disposal. No review fee will apply in this instance.

I. ON SITE DISPOSAL:

1. For on site recharge of dewatering effluent (infiltration gallery, swale etc.), contaminated water must be treated to the applicable cleanup target levels (CTLs) specified in Chapter 62-777, Florida Administrative

Code (F.A.C.), Chapter 24, the Miami - Dade County Environmental Protection Ordinance, or any other more stringent standards applicable to the site prior to disposal.

2. The treated dewatering effluent shall be discharged to an on-site area out of the contaminant plume to avoid dispersing the plume. If the contaminant plume encompasses the entire site, then alternative disposal locations must be considered. Returning contaminated water to original excavation is not an option.
3. The treated effluent must be sampled throughout the dewatering operations to ensure that applicable standards are not exceeded. A 24-hour turnaround time may be required for the processing of the samples in some instances. If at any time the effluent sampling results show levels of contaminants exceeding any of applicable CTLs, the groundwater discharge should be immediately ceased and PRS notified.

II. OFF SITE DISPOSAL:

1. Discharge through off-site storm drainage structures or to surface waters:
 - a. If discharging to a surface water body, a United States Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) permit must also be obtained. Further information regarding NPDES permitting for effluents impacted by petroleum contaminants, may be found in the FDEP Remedial Action Guideline BPSS-3. For effluents impacted by other than petroleum contaminants, the Florida Department of Environmental Protection must be contacted for the NPDES requirements.
 - b. The dewatering effluent must be treated to the applicable cleanup target levels (CTLs) specified in Chapter 62-777, Florida Administrative Code (F.A.C.), Chapter 24, the Miami – Dade County Environmental Protection Ordinance, or any other more stringent standards applicable to the site prior to disposal.
 - c. The treated effluent must be sampled throughout the dewatering operations to ensure that applicable standards are not exceeded. A 24-hour turnaround time may be required for the processing of the samples in some instances. If at any time the effluent sampling results show levels of contaminants exceeding any of the applicable CTLs, the groundwater discharge should be immediately ceased and the RER/ERM notified.
2. Discharge to the sanitary sewer system:
 - a. Approval from the appropriate municipality's water and sewer department (i.e., MDWASA) must be obtained.
 - b. The effluent must be treated to the appropriate sanitary sewer standards, specified in Chapter 24 the Miami – Dade County Environmental Ordinance.
 - c. A Sewer Capacity Certification Letter Application must be completed and approved by RER/ERM Plan Review Section.
3. Discharge to tanker truck:
 - a. At the conclusion of the activities, disposal receipts must be submitted to the Pollution Remediation Section.

PRS REVIEW FEES (see Fee Schedule at http://www.miamidade.gov/derm/paying_fees.asp)

\$300.00+\$22.50 = **\$322.50** For a plan not including groundwater modeling or a contaminant treatment system
\$750.00+\$56.25 = **\$806.25** For a plan including groundwater modeling or a contaminant treatment system