UNIVERSITY
OF MIAMI

October 6, 2023

Paul Rodas, P.E.
City Engineer and Permit Section Manager
City of Coral Gables
Department of Public Works
2800 SW 72nd Avenue
Miami, FL 33155

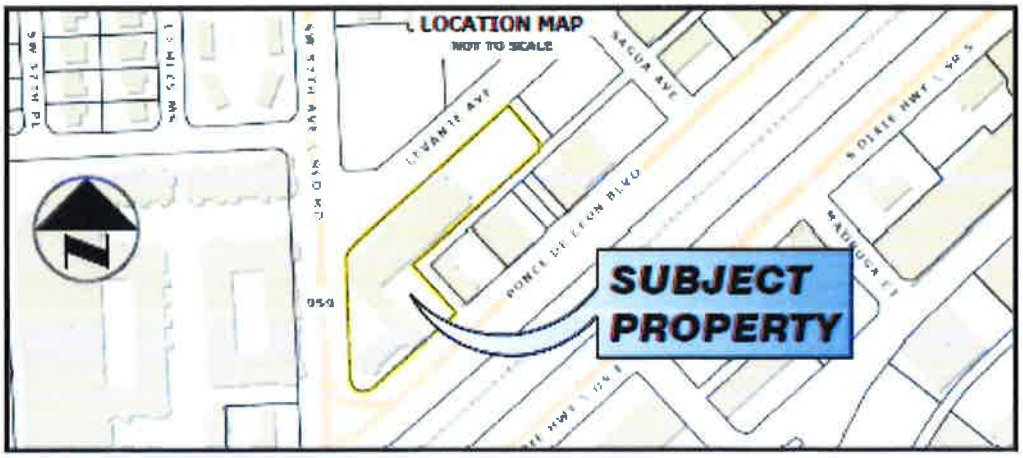
Re: Outside Sewer Connection Agreement
6565 Red Road
PWKS-23-09-1996

Dear Mr. Rodas,

Pursuant to the City of Coral Gables Code Sec. 78-106, the University of Miami is requesting permission to commence the necessary process for the approval of an outside sewer connection to the City of Coral Gables sanitary sewer system for the above-referenced project by means of a gravity main connecting to University of Miami Pump Station # 13 which discharges to an existing City force main in Ponce de Leon. The project will increase the flows to the Coral Gables sewer system but will not require any direct connections to the City sewer system.

The following information pertains to the project:

- Applicant: University of Miami
- Applicant Address: 1535 Levante Avenue Coral Gables, FL 33146
- Telephone: 305.284.6749
- Project Address: 6565 Red Rd., Coral Gables FL 33146
- Legal Description: the location of which being more particularly shown on the map below and described in the attached map and legal description.



- Government Agency having Jurisdiction: See attached allocation letter from Miami-Dade County.

- Proposed additional flows to the City of Coral Gables sewer system: See attached flow calculations including peak flow calculations.
    - Maximum: 5.49 GPM
    - Minimum: 0 GPD
    - Average: 1,802 GPD

By this letter, The University (applicant) intends to comply with the conditions set forth under the following Chapters 62 and 78 of the City Code, and the terms and conditions that will be stipulated in the Agreement between the City of Coral Gables and the University as follows:

(1) To pay a connection fee of $2,100 per 1,000 gallons per day of peak demand paid concurrently upon signing this agreement. The connection charge shall be made on the basis of an agreed upon estimated gallonage, which shall be subject to review at any time after six months; usage and the final connection cost shall be adjusted to reflect actual usage if greater, but in no case less than the amount originally charged. An alternate method of payment for such sewer service connection charges may be granted whereby, in lieu of paying connection charges at time of execution of the customer agreement, the applicant or customer may be permitted to file with the city a cash bond in an amount to be agreed upon between the city manager and the customer, guaranteeing installment payments of said sewer service connection charges.

(2) To comply with all conditions set forth under chapters 62 and 78 of the City Code, Resolution No. 22601, and any other pertinent ordinances or resolution, copies of which the applicant/customer has reviewed and fully acknowledged by agreeing hereto, except that rates applied to connecting outside the city shall be 25 percent greater than the rates applicable to the same connection within the city. If the connection is outside existing sanitary sewer districts but inside the city, the 25 percent additional rate shall not apply.

(3) To the billing and collecting of sewer service charges as determined by the city. Other agencies, for example the Miami-Dade Water and Sewer Department, may be designated by the city to bill and/or collect sewer service charges. Sewer service charges shall be due within ten days of receipt of billing by the customer. If the sewer service charges remain unpaid 30 days after due date, the city may have water services to the property disconnected. All sewer service charges to any building or structure or unit remaining unpaid 30 days after the due date shall become a lien against and upon the lands to which service has been furnished to the same extent as the lien for special assessments in the city, with the same penalties and the same right of collection and sale as would apply for Coral Gables taxes.

(4) To pay the entire cost of whatever facilities are required from the source of the sewage to the point of connection with the Coral Gables system.

(5) To furnish the city attorney with a copy of the deed for each unit of property making outside connection.

(6) To install and maintain facilities for such pre-treatment of wastes as may from time to time be found necessary to render the wastes suitable for handling and treatment by the city without creation of nuisances. Under operational difficulty, the reasonable determination by the city and the city consulting engineers shall be binding. The following shall be required in all cases:
    a. Grease separation facilities without exception.
    b. Comminutors except where flow is directly to a city comminutor.
    c. Screen at the discretion of the city in case of laundries and similar sources of rags, string and lint.
    d. Prechlorination in case of long force mains.

(7) To provide the city with plans and specifications in quadruplicate for applicant/customer sanitary sewer facilities as prepared by a registered civil engineer, licensed to practice in the State of Florida and fully experienced and qualified in the design of sanitary sewer systems. Said plans and specifications shall be reviewed by the city and returned to the applicant/customer marked for revision until the plans are returned marked approved and signed as such by the director of public works. A composite plan/profile survey of existing utilities shall be prepared of each Coral Gables right-of-way through which a pipeline run is proposed, showing the exact relationship between and among all existing and proposed facilities. The city may refuse to process the plans unless the composite picture is complete, so that the most feasible route with the least inconvenience to residents may be confirmed by the director of public works.

(8) To provide a cut-off valve at the point of connection with the Coral Gables system. This cut-off valve shall be shown and described in the above plans and specifications.

(9) To provide the city with a letter from said licensed/registered engineer stating that said engineering services have been retained to provide full-time resident inspection during construction and installation of said facilities. Upon completion of the installation, said engineer shall certify in writing that the work has been fully and properly installed, and that infiltration is within allowable limits.

(10) To have proposed installation shown on said approved plans and specifications constructed and installed only by a fully licensed and qualified contractor who shall also obtain all prerequisite construction permits from each agency having jurisdiction prior to initiating work in the field. The public works director may withhold or withdraw issuance of city right-of-way permit if compliance with portions of Step II implementation by the applicant becomes overdue.

(11) To keep city informed of work progress and connections inside and outside the city so that city inspectors may confirm the integrity of the facilities at each key point.

(12) To be solely responsible for continuing maintenance and operation of said facilities. The city reserves the right to inspect the facilities and to require the applicant to have timely repairs made, where infiltration or other defects are adversely affecting the cost and operation of the city's sanitary sewer system. Failure of the applicant/customer to remedy defects shall be cause for termination of agreement and disconnection of the service. The occupants or tenants of the connected property shall be informed by the customer that the city is not responsible for such maintenance and operation.

(13) To not permit any other connection to the customer's connecting lines to the city system except those listed in the agreement. Any additional connections, if permitted, shall be subject to approval by the city as stated herein and the original connection charge shall be increased to reflect the additional sewage added. Additional connectors shall furnish the city with prior written approval by the original owner of the line and all prior connectors to said line.

(14) To limit the peak sewage flow from the outside sewer connection insofar as the property, zoning, size, type and/or density of the facility herein approved for connection, and any proposed change thereto which would generate significant increase in peak sewage discharged into the Coral Gables sanitary sewer system shall require prior approval by Coral Gables for such increased sewage discharge in accordance with the terms of this resolution.

(15) To provide that the monthly charge computed at the volumetric base rate be multiplied by a value of unity for a monthly average BOD of 250 ppm or under, said value to be increased by a surcharge factor of one-quarter percent per part per million on monthly average BOD in excess of 250 ppm, as follows and as interpolation thereof:

MONTHLY BOD MULTIPLIER	
250 ppm or less	1.000
260	1.025
270	1.050
280	1.075
290	1.100
300	1.125
400	1.375
500	1.625
1,000	2.875

(16)To provide for and bear the cost of sampling with suitable sampling facilities when reasonable cause for sampling exists. The city shall give the customer or tenant reasonable notice when sampling is necessary, and qualified city representatives shall thereafter perform the necessary sampling as efficiently as possible.

(17)To reconnect to the city sewer system at the customer's expense in a manner acceptable to the city, when sewering is completed to a new area in the city which can more efficiently and effectively serve the customer's outside connection.

(18)To provide liability insurance in the amounts required by Resolution No. 2008-07, naming the City of Coral Gables as additional insured and covering any damages to public or private property due to a failure in the customer's facilities. A certification of insurance shall be required at the execution of the agreement in a form acceptable to the City of Coral Gables.

(19)To provide a maintenance bond or other surety in the amount of five percent of the construction cost to assure timely repair of the customer's facilities should a failure occur, said surety to run in perpetuity or until the connection is no longer required.

(20)To bear the expense of recording the agreement encompassing the above terms in the Public Records of Miami-Dade County, Florida, and said agreement shall be a covenant running with the land which will state that the owner will not convey or cause to be conveyed the title to the above property without requiring the successor in title to abide by all of the terms and conditions of said agreement.

Thank you for your time and consideration.

Sincerely,

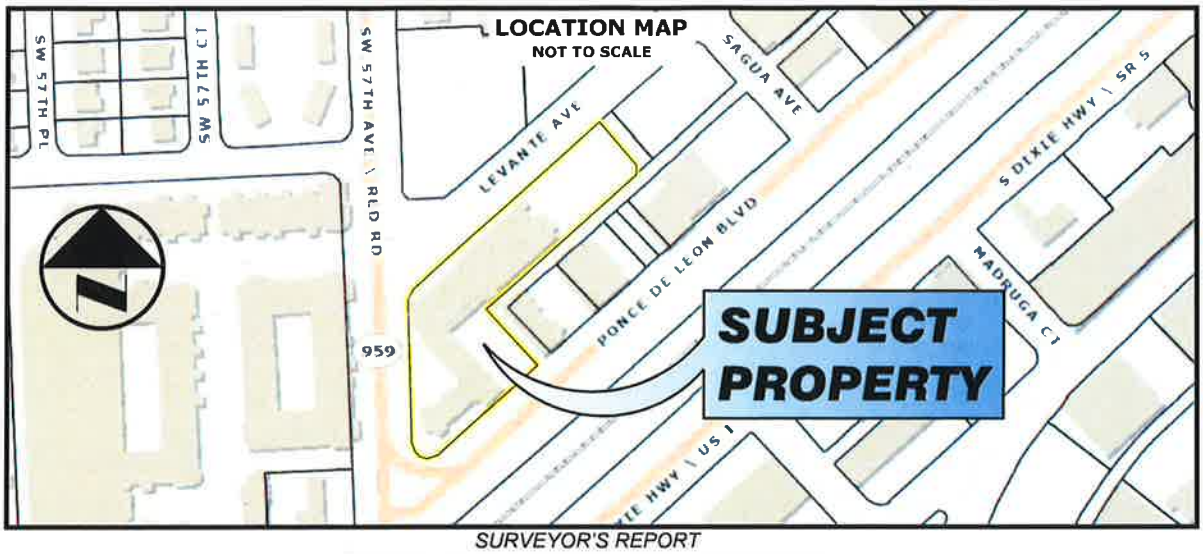
Jessica Brumley

Jessica E. Brumley
Vice-President
Facilities Operations & Planning
University of Miami

Encl.
Cc: Robert Vale, University of Miami
Deborah Hunley, University of Miami

Legal Description and Sketch

SKETCH TO ACCOMPANY LEGAL DESCRIPTION



SURVEYOR'S REPORT
SKETCH TO ACCOMPANY LEGAL DESCRIPTION
6565 RED ROAD SEWER EXTENSION
THE UNIVERSITY OF MIAMI
CITY OF CORAL GABLES, MIAMI-DADE COUNTY, FLORIDA

ARTICLE I
DEFINITIONS, GENERALLY:

CLIENT: SHALL MEAN THE UNIVERSITY OF MIAMI, A FLORIDA CORPORATION NOT-FOR-PROFIT.
SKETCH: SHALL MEAN THE GRAPHIC DEPICTION OF THE SUBJECT PROPERTY IN THE FORM OF THE "SKETCH TO ACCOMPANY "LEGAL DESCRIPTION" MAP ATTACHED HERETO, MADE A PART HEREOF AND INCORPORATED HEREIN BY REFERENCE.
SUBJECT PROPERTY: SHALL MEAN ALL THAT LOT, PIECE OR PARCEL OF LAND INDICATED IN THE LEGAL DESCRIPTION PORTION (ARTICLE III) OF THIS REPORT, REFERENCE TO WHICH IS MADE FOR A MORE FULL AND COMPLETE DESCRIPTION THEREOF.
COUNTY: SHALL MEAN "MIAMI-DADE COUNTY", A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA, THE NAME OF WHICH WAS CHANGED FROM "DADE COUNTY" BY ITS ELECTORS ON NOVEMBER 13, 1997 AND CODIFIED BY ITS BOARD OF COUNTY COMMISSIONERS PURSUANT TO ORDINANCE NUMBER 97-212. ALL REFERENCES TO DOCUMENTS FILED FOR RECORD PRIOR TO THAT DATE SHALL REFER TO THE PREVIOUS COUNTY NAME AND DOCUMENTS FILED FOR RECORD (OR CITATION BY COMMON REPORT, AS THE CASE MAY BE) SUBSEQUENT TO THAT DATE SHALL MAKE REFERENCE TO THE PRESENT COUNTY NAME.
CITY: SHALL MEAN THE CITY OF CORAL GABLES, A MUNICIPAL CORPORATION OF THE STATE OF FLORIDA.

ARTICLE II
LEGAL DESCRIPTION:

LOTS 1 THROUGH 8, INCLUSIVE AND LOTS 34 THROUGH 40, INCLUSIVE, AND ALL OF ALLEY NORTHWESTERLY & ADJACENT TO LOTS 34 THROUGH 40, LESS BEGINNING AT THE SOUTHEAST CORNER OF LOT 8 NORTHWESTERLY 10 FEET, SOUTH 14 FEET, NORTHEASTERLY 10 FEET TO POINT OF BEGINNING, BLOCK 196 OF SECOND REVISED PLAT OF CORAL GABLES SECTION PART 14, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 28, PAGE 32, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

ARTICLE III
SOURCES OF DATA:

1. *THE LEGAL DESCRIPTION WAS TAKEN VERBATIM FROM THAT CERTAIN SPECIAL WARRANTY DEED FROM THE BOARD OF TRUSTEES OF THE FLORIDA ANNUAL CONFERENCE OF THE UNITED METHODIST CHURCH, INC. TO THE UNIVERSITY OF MIAMI DATED JULY 15, 2018 AND RECORDED JULY 17, 2018 IN OFFICIAL RECORDS BOOK 31060 AT PAGE 3491 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.*
2. *THE RECORDED INSTRUMENTS AS SET FORTH IN THE LEGAL DESCRIPTION AND/OR AS DEPICTED ON THE SKETCH.*
3. *SURVEYS OF THE SUBJECT PROPERTY PREPARED AT THE INSISTENCE OF THE UNIVERSITY OF MIAMI BY THIS FIRM FOR PREVIOUS PROJECTS, INCLUDING MAPS REPRESENTING SAID SURVEYS THAT ARE ON FILE WITH THE SURVEYOR AND WITH THE UNIVERSITY OF MIAMI, REFERENCE TO WHICH IS MADE FOR A MORE FULL AND COMPLETE DESCRIPTION OF THE CONTENTS THEREOF.*
4. *BOUNDARY LOCATIONS WERE COMPUTED BASED ON THE STATE PLANE COORDINATE SYSTEM FOR THE EAST ZONE OF FLORIDA, NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT (NAD83/11).*
5. *THE BOUNDARIES OF THE RIGHTS OF WAY AND TRACTS AS INDICATED ON THE SURVEY MAP WHERE ACQUIRED FROM THE UNDERLYING PLAT OF RECORD AND OTHER RECORDED DATA AS MORE FULLY SHOWN ON THE MAP.*
6. *MIAMI-DADE COUNTY TAX FOLIO NUMBER 03-4130-009-0210 PUBLISHED BY THE MIAMI-DADE COUNTY PROPERTY APPRAISER'S OFFICE FOR THE 2022 TAX YEAR.*

THIS DOCUMENT CONSISTS OF 3 SHEETS AND EACH SHEET SHALL NOT BE CONSIDERED FULL, VALID AND COMPLETE UNLESS ATTACHED TO THE OTHERS.

NOT A BOUNDARY SURVEY

DRAWING: C:\USERS\ERIK FERNANDEZ\BM DATA SYSTEM, LLC\GEOMATICS - DOCUMENTS\PROJECTS\ATKINS\2489 - 6565 RED RD\DWG\2489 - 6565 RED RD.DWG / PRINTED: 9/21/2023 4:30 PM

ATKINS
800 Waterford Way
Suite 700
Miami, FL 33126
(305) 592-7275
ATKINS NORTH AMERICA, INC.
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB24

UNIVERSITY OF MIAMI

6565 RED ROAD SEWER EXTENSION
UNIVERSITY OF MIAMI

811 Know what's below. Call before you dig.

ORIGINAL: 9/18/2023
REVISIONS:
1
2
3
4

JOB NO. 100068084
DRAWN E.F.
CHECKED D.A.
QC

SHEET: 1 OF 3

SKETCH TO ACCOMPANY LEGAL DESCRIPTION

ARTICLE IV
LIMITATIONS:

1. *THE SURVEY MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1 INCH = 100 FEET IN ENGLISH UNITS OF MEASUREMENT. ATTENTION IS DRAWN TO THE FACT THAT THE MAP SCALE MAY BE ALTERED BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.*
2. *SINCE NO OTHER INFORMATION OTHER THAN WHAT IS CITED IN THE SOURCES OF DATA WERE FURNISHED, THE CLIENT IS HEREBY ADVISED THAT THERE MAY BE LEGAL RESTRICTIONS ON THE SUBJECT PROPERTY THAT ARE NOT SHOWN ON THE MAP OR CONTAINED WITHIN THIS REPORT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, THE CITY OF CORAL GABLES, OR THE RECORDS OF ANY OTHER PUBLIC AND PRIVATE ENTITIES AS THEIR JURISDICTIONS MAY APPEAR. THE SURVEYOR MAKES NO REPRESENTATION AS TO OWNERSHIP OR POSSESSION OR OCCUPATION OF THE SUBJECT PROPERTY BY ANY ENTITY OR INDIVIDUAL.*
3. *INTERIOR IMPROVEMENTS TO THE SUBJECT PROPERTY WERE NOT LOCATED.*
4. *INFORMATION REGARDING ZONING BOUNDARIES, SETBACK LINES AND OTHER RELATED CONDITIONS AND RESTRICTIONS AS MAY EXIST WERE NOT PROVIDED.*
5. *NOTICE IS HEREBY GIVEN THAT SUNSHINE STATE ONE CALL OF FLORIDA, INC. MUST BE CONTACTED AT 1-800-432-4770 AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION, EXCAVATION OR DEMOLITION ACTIVITY WITHIN, UPON, ABUTTING OR ADJACENT TO THE SUBJECT PROPERTY. THIS NOTICE IS GIVEN IN COMPLIANCE WITH THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT," PURSUANT TO CHAPTER 556.101-111 OF THE FLORIDA STATUTES.*
6. *THIS "SKETCH TO ACCOMPANY LEGAL DESCRIPTION" DOES NOT REPRESENT A FIELD BOUNDARY SURVEY. SAID DOCUMENT WAS PREPARED FOR THE EXPRESS PURPOSE OF CREATING A DELIMITED AREA FOR A SEWER CONNECTION AGREEMENT WITH THE CITY OF CORAL GABLES.*

ARTICLE V
EASEMENTS:

NO INFORMATION WAS PROVIDED AS TO THE EXISTENCE OF ANY EASEMENTS OTHER THAT WHAT MAY APPEAR ON THE UNDERLYING PLAT OF RECORD OR PREVIOUSLY DISCLOSED TO ATKINS NORTH AMERICA, INC. PLEASE REFER TO THE LIMITATIONS PORTION (ARTICLE VI) OF THIS REPORT WITH RESPECT TO POSSIBLE RESTRICTIONS OF RECORD AND UTILITY SERVICES.

ARTICLE VI
CLIENT INFORMATION:

THIS SKETCH TO ACCOMPANY LEGAL DESCRIPTION AND THE SURVEY MAP AND REPORT RESULTING THEREFROM, WERE PREPARED AT THE INSISTENCE OF THE UNIVERSITY OF MIAMI.

ARTICLE VII
SURVEYOR'S CERTIFICATE:

THE STATE OF FLORIDA)
) S.S.
COUNTY OF MIAMI-DADE)

I HEREBY CERTIFY: THAT THIS SKETCH TO ACCOMPANY LEGAL DESCRIPTION AND THE MAP AND REPORT RESULTING THEREFROM WAS PERFORMED UNDER MY DIRECTION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND FURTHER, THAT SAID SURVEY MEETS THE INTENT OF THE APPLICABLE PROVISIONS OF THE "STANDARDS OF PRACTICE FOR LAND SURVEYING IN THE STATE OF FLORIDA," PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES AND RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE.

ATKINS NORTH AMERICA, INC.
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB24

THE MAP AND REPORT CONSISTING OF 3 SHEETS AND HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY DOUGLAS W. DEANS, REGISTERED LAND SURVEYOR NO. 4140, STATE OF FLORIDA USING A DIGITAL SIGNATURE AND DATE, ON SHEET 1 PURSUANT TO CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, UNDER SECTION 5J-17.062. THE "DIGITAL DATE" MAY NOT REFLECT THE DATE OF SURVEY OR THE LATEST REVISION DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THIS DOCUMENT CONSISTS OF 3 SHEETS AND EACH SHEET SHALL NOT BE CONSIDERED FULL, VALID AND COMPLETE UNLESS ATTACHED TO THE OTHERS.

NOT A BOUNDARY SURVEY

ATKINS
800 Waterford Way
Suite 700
Miami, FL 33126
(305) 592-7275
ATKINS NORTH AMERICA, INC.
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB24

UNIVERSITY OF MIAMI

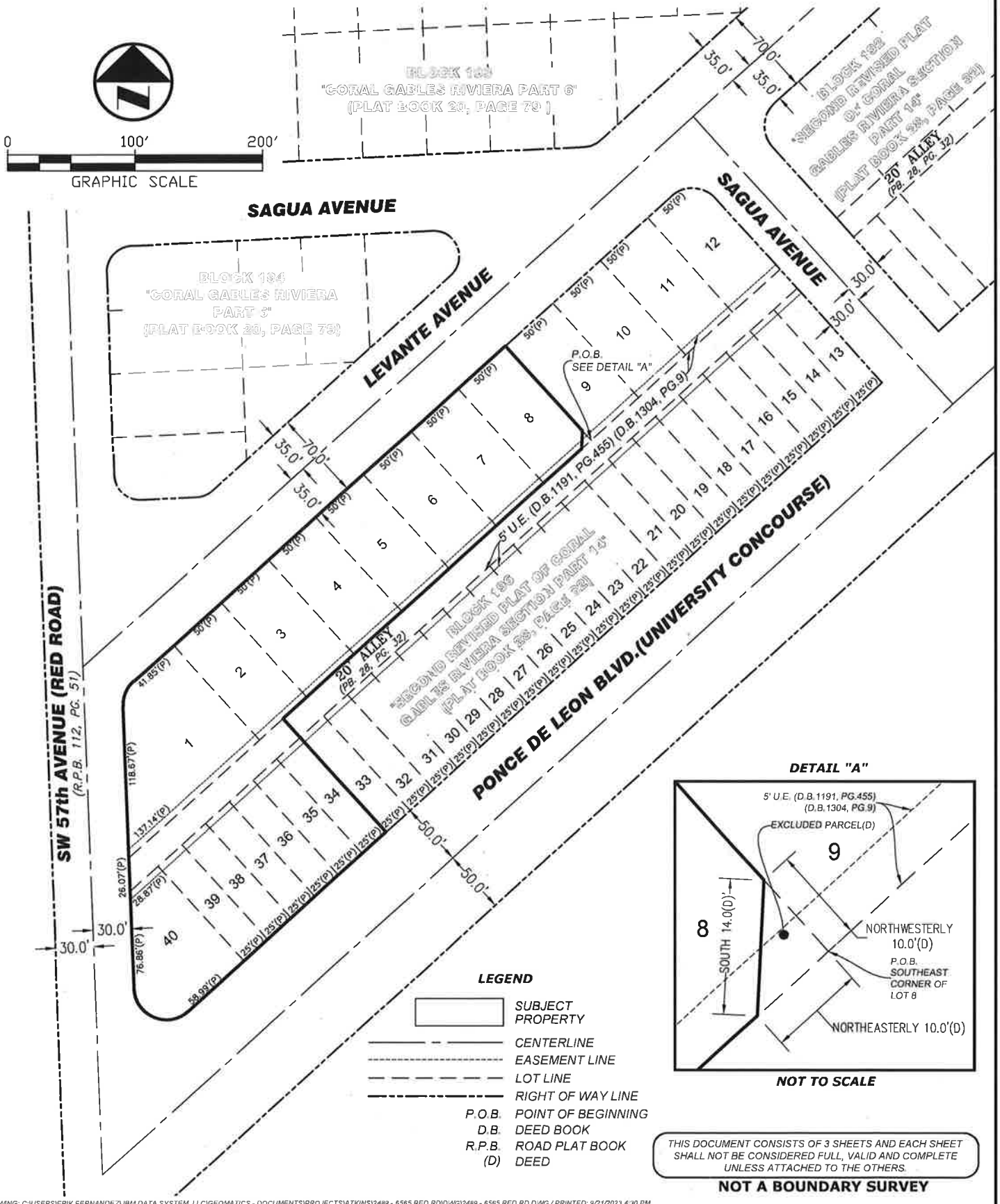
6565 RED ROAD SEWER EXTENSION
UNIVERSITY OF MIAMI

811 Know what's below. Call before you dig.

ORIGINAL: 9/18/2023
REVISIONS:
1
2
3
4

JOB NO. 100068084
DRAWN E.F.
CHECKED D.A.
QC

SKETCH TO ACCOMPANY LEGAL DESCRIPTION



DETAIL "A"

NOT TO SCALE

LEGEND

	SUBJECT PROPERTY
	CENTERLINE
	EASEMENT LINE
	LOT LINE
	RIGHT OF WAY LINE
P.O.B.	POINT OF BEGINNING
D.B.	DEED BOOK
R.P.B.	ROAD PLAT BOOK
(D)	DEED

THIS DOCUMENT CONSISTS OF 3 SHEETS AND EACH SHEET SHALL NOT BE CONSIDERED FULL, VALID AND COMPLETE UNLESS ATTACHED TO THE OTHERS.

NOT A BOUNDARY SURVEY

DRAWING: C:\USERS\ERIK FERNANDEZ\JBM DATA SYSTEM, LLC\GEOMATICS - DOCUMENTS\PROJECTS\ATKINS\2489 - 6565 RED RD\DWG\2489 - 6565 RED RD.DWG / PRINTED: 9/21/2023 4:30 PM

ATKINS
800 Waterford Way
Suite 700
Miami, FL 33126
(305) 592-7275
ATKINS NORTH AMERICA, INC.
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB24

UNIVERSITY OF MIAMI

6565 RED ROAD SEWER EXTENSION
UNIVERSITY OF MIAMI

811 Know what's below. Call before you dig.

ORIGINAL: 9/18/2023
REVISIONS:
1
2
3
4

JOB NO. 100068084
DRAWN E.F.
CHECKED D.A.
QC

SHEET: 3 OF 3

Allocation Letter and

Sewer Flow Calculations

2023-ALLOCATION-03219

10/4/2023

Issued Date: 10/4/2023

UNITVERSITY OF MIAMI
1320 S DIXIE HWY
CORAL GABLES, FL 331460000

JESSICA BRUMLEY
UNIVERSITY OF MIAMI
1535 LEVANTE AVE
CORAL GABLES, FL 33146

RE: Conditional Sanitary Sewer Certification of Adequate Capacity

The Department of Regulatory and Economic Resources (RER) has received your application for approval of additional sewer flows for following project, which is more specifically described in the attached project summary.

Project Name: UNIVERSITY OF MIAMI/ M2023022057
Project Location: 6565 RED RD, CORAL GABLES, FL 331460000
Previous Use: CHURCH 15,016 SQ FT ON SEPTIC
Proposed Use: UNIVERSITY 15,016 SQ FT CONNECTION TO SEWERS
Previous Flow: 0 GPD
Total Calculated Flow: 1802 GPD
Allocated Flow (additional sewer flows): 1802 GPD
Sewer Utility: UNIVERSITY OF MIAMI
Receiving Pump Station: 77 - UM13M

RER has evaluated your request in accordance with the terms and conditions set forth in Appendix A of the Consent Decree (CASE No. 1:12-CV-24400-FAM) between the United States of America and Miami-Dade County. RER hereby conditionally certifies that adequate treatment and transmission capacity will be available for the above-described project subject to the following conditions:

PERMITTING, CONSTRUCTION, COMPLETION AND CERTIFICATION OF THE SANITARY SEWER EXTENSION NO. SE 20230234. PLEASE BE ADVISED THAT ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, CERTIFICATE OF COMPLETION, CERTIFICATE OF USE AND/OR OCCUPATIONAL LICENSE FOR THE SUBJECT PROJECT WILL BE WITHHELD PENDING COMPLIANCE WITH ANY AND ALL CONDITIONS STIPULATED BY APPLICABLE LOCAL AND STATE PERMITS FOR THE COLLECTION/TRANSMISSION SYSTEM IMPROVEMENT(S) HEREIN REQUIRED.

Furthermore, be advised that this approval does not constitute departmental approval for the proposed project and is subject to the terms and conditions set forth in the Consent Decree. Additional reviews and approvals may be required from other sections having jurisdiction over specific aspects of this project. Also, be advised that the gallons per day (GPD) flow determination indicated herein are for sewer allocation purposes only (in compliance with the Consent Decree requirements) and may not be representative of GPD flows used in calculating connection fees by the utility providing the service.

By copy of this certification to the Building Department having jurisdiction over this proposed project, said department building official is hereby ordered to condition any building permit(s) issued pursuant to this certification to the above mentioned conditions.

Be advised that this Conditional Sanitary Sewer Certification of Adequate Capacity (this letter) will expire within 90 days of the issue date if the applicant does not obtain a building process number from the corresponding building official. However, if the building process number has already been obtained, this letter will expire within 180 days of the expiration date of the process number. Finally, if a Building Permit was secured for this project, this letter will expire within 150 days of the expiration date of the Building Permit.

Should you have any questions regarding this matter, please contact the Miami-Dade Permitting and Inspecting Center (MDPIC) (786) 315-2800 or RER Office of Plan Review Services, Downtown Office (305) 372-6789.

Sincerely,

Lisa M. Spadafina, Director
Division of Environmental Resources Management

Der Ming Kuo

For/By:_____
Der-Ming Kuo, Engineer III - Environmental Plan Review.
Department of Regulatory and Economic Resources.

Sanitary Sewer Certification of Adequate Capacity Project Summary:

Owner's Name: UNITVERSITY OF MIAMI
Owner's Address: 1320 S DIXIE HWY
CORAL GABLES, FL 331460000

EEOS Allocation Number: 2023-ALLOCATION-03219

Project: UNIVERSITY OF MIAMI/ M2023022057

Proposed Use: UNIVERSITY 15,016 SQ FT CONNECTION TO SEWERS

Pump Station: 77-UM13M
Projected NAPOT: 0.39
Proposed Projected NAPOT: 1.06

Folio	Lot/Block Bldg Proc #	Address	Flow (GPD)	Sewer Status	Sewer Cert Date	Sewer Recert Date	Exp. Date
0341300090210	0/ N/A	6565 RED RD, CORAL GABLES, FL 33146	1,802	APP	10/4/2023		1/2/2024
Total:			**1,802 GPD**				

Florida Department of Environmental Protection

Notification/Application for Constructing a Domestic Wastewater Collection/Transmissions System

Part I - General

Subpart A: Permit Application Type (Check only one)*

☑ Individual permit for a domestic wastewater collection/transmission system serving **10 or greater** equivalent dwelling units (EDU). An EDU is equal to 3.5 persons. Criteria for an individual permit are contained in Rule 62-604.600(7), F.A.C.
Application fee: $500

☐ Individual permit for a domestic wastewater collection/transmission system serving **less than 10** equivalent dwelling units (EDU). An EDU is equal to 3.5 persons. Criteria for an individual permit are contained in Rule 62-604.600(7), F.A.C.
Application fee: $300

☐ Minor revision to an individual permit for a domestic wastewater collection/transmission system.
Application fee: $250

☐ Notice of Intent to use the general permit for a domestic wastewater collection/transmission system. Criteria for a general permit are contained in Rule 62-604.600(6), F.A.C. Projects not meeting the criteria in Rule 62-604.600(6), F.A.C., must apply for an individual permit.
Application fee: $250

*Note: Each non-contiguous project (i.e., projects that are not interconnected or are not located on adjacent streets or in the same neighborhood) requires a separate application and fee.

Subpart B: Instructions

(1) This form shall be completed for all public and private domestic wastewater collection/transmission system construction projects as follows:
- If this is a Notice of Intent to use the general permit, this notification shall be submitted to the Department **at least 30 days prior to initiating construction.**
- If this is an application for an individual permit, the permit must be obtained prior to initiating construction.

(2) One copy of the completed form shall be submitted to the appropriate DEP district office or delegated local program along with the appropriate fee, and one copy of the following supporting documents. Checks should be made payable to the Florida Department of Environmental Protection, or the name of the appropriate delegated local program. Forms and documents may be submitted electronically in accordance with the Wastewater Electronic Document Submission instructions available from DEP's website.
- If this is a Notice of Intent to use the general permit, attach a site plan or sketch showing the size and approximate location of new or altered gravity sewers, pump stations and force mains; showing the approximate location of manholes and isolation valves; and showing how the proposed project ties into the existing or proposed wastewater facilities. The site plan or sketch shall be signed and sealed by a professional engineer registered in Florida.
- If this is an application for an individual permit, one set of plans and specifications shall be submitted with this application. The plans and specifications shall include lift station design calculations if a lift station is proposed. Chapters 10 and 20 of *Recommended Standards for Wastewater Facilities*, 2014, provide helpful guidance on the proper preparation of plans and specifications. The plans and specifications shall be signed and sealed by a Professional Engineer registered in Florida.

(3) All information shall be typed or printed in ink if submitting paper forms. Where attached sheets (or other technical documentation) are utilized in lieu of the blank spaces provided, indicate appropriate cross-references on the form. For Items (1) through (4) of Part II of this application form, if an item is not applicable to your project, indicate "NA" in the appropriate space provided.

Part II – Project Documentation

(1) Collection/Transmission System Permittee

Name Jessica Brumley Title Vice President, Facilities Operations

Company Name University of Miami

Address 1535 Levante Avenue

City Coral Gables State FL Zip 33146

Telephone 305-284-5660 Cell Fax

Email jbrumley@miami.edu

(2) General Project Information

Project Name UM Chapel and Fellowship Hall Sanitary Sewer

Project Address 6565 Red Road

City Coral Gables State FL Zip 33143

County Miami-Dade Latitude 25.708823 N Longitude 80.285273 W

Project Description and Purpose (including the total length and material of each diameter of proposed gravity sewers and forcemains, total number of manholes, total number of pump stations, and connections to existing system):

The project includes 749 LF of 8" PVC C900 sanitary sewer main extension, 183 LF of 6" PVC SDR-35 sanitary sewer lateral, and 7 sanitary sewer manholes.

Estimated date for: Start of construction 07/2023 Completion of Construction 09/2023

Number of connections to existing system or treatment plant 1

(3) Project Capacity

Type of Unit	Number of Units	Population Per Unit	Total Population (Number of Units x Population Per Unit)	Per Capita Flow in Gallons per Day (GPD)	Total Average Daily Flow in GPD (Total Population x Per Capita Flow)	Peak hour flow in Gallons Per Minute (GPM)
Single-Family Home						
Mobile Home						
Apartment						
Commercial, Institutional, or Industrial Facility*					1802	5.49
Total	NA	NA		NA	1802	5.49

* Description of commercial, institutional, and industrial facilities and explanation of method used to estimate per capita flow for these facilities:

(15,016 SF School (Regular School) X 12 GPD / 100 SF) = 1802 GPD
Peak Factor was calculated using the 10 states standards where peak = (18 + (P)^1/2) / (4 + (P)^1/2)
P = (1802 GPD/100/1000) = 0.01802. The calculated Peak Factor = 4.39
Peak Daily Flow = 1802GPD X 4.39 PHF = 7,911 GPD
Peak Hour Flow = 7,911 GPD / 24 HR / 60 MIN = 5.49 GPM

(4) Pump Station Data (attached additional sheets as necessary

Location	Type	Maximum Estimated Flow to the Station (GPD)	Average Estimated Flow to the Station (GPD)	Minimum Estimated Flow to the Station (GPD)	Operating Conditions [GPM @ FT (TDH)]

(5) Collection/Transmission System Design Information

A. This information must be completed for all projects by the applicant's professional engineer, and if applicable, those professional engineers in other disciplines who assisted with the design of the project. The checklist below shall be used for conventional collection/transmission systems while Attachment I to this form shall be used for low pressure sewer systems, including septic tank effluent pump (STEP) systems, and Attachment II shall be used for vacuum sewer systems (include Attachments I or II with the submittal of this form as applicable). These checklists cover important items but are not necessarily completely comprehensive of collection system construction and do not relieve the engineer from designing the collection system following sound engineering practices.

Complete the tables below (or Attachments I or II as applicable) as follows:

- The engineer shall initial each requirement if the project has been designed to comply with the standard or criteria.
- Mark "NA" if the requirement does not apply to this project and provide an explanation in section (5)B.
- Mark "NC" if the project has not been designed to comply with the requirement and provide an explanation in section (5)B, including any rule references.

Note, if the project has not been designed in accordance with the standards and criteria set forth in Rules 62-604.400(1) and (2), F.A.C., an application for an individual permit shall be submitted. However, if Rules 62-604.400(1) and (2), F.A.C., specifically allow for another alternative that will result in an equivalent level of reliability and public health protection, the project can be constructed using the general permit. Also note that each requirement below and in Attachments I and II includes a reference to guidance or rule for further information. The guidance documents given in the checklists are as follows:

- "RSWF" – Recommended Standards for Wastewater Facilities (2014). Health Research, Inc., Health Education Services Division, P.O. Box 7126, Albany, NY 12224, www.healthresearch.org
- "MOPFD-12" – Alternative Sewer Systems, Manual of Practice No. FD-12. Alternative Sewer Systems (1986). Water Environment Federation, 602 Wythe Street, Alexandria, VA 22314, www.wef.org.
- "FL DSG" – Design and Specification Guidelines for Low Pressure Sewer Systems (1981). Department of Environmental Protection, 2600 Blair Stone Road, MS 3540, Tallahassee, FL 32399-2400, www.floridadep.gov.
- "EPA ACS" - Alternative Wastewater Collection Systems (1991). EPA/625/1-91/024. NTIS# PB93-1162591N2; National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, www.ntis.gov.

General Requirements

Initials (or "NA" or "NC")	Item Number	Requirement
LR	1	The project is designed based on an average daily flow of 100 gallons per capita plus wastewater flow from industrial plants and major institutional and commercial facilities unless water use data or other justification is used to better estimate the flow. The design includes an appropriate peaking factor, which covers I/I contributions and non-wastewater connections to those service lines.(Note, see Attachment I for low pressure sewer systems) [RSWF 11.243]
LR	2	Procedures are specified for operation of the collection/transmission system during construction if work is performed on a system currently in operation. [RSWF20.15]
LR	3	The project is designed to be located on public rights-of-way, land owned by the permittee, or easements and to be located no closer than 100 feet from a public drinking water supply well and no closer than 75 feet from a private drinking water supply well; or documentation is provided in Part II.(5)B., showing that another alternative will result in an

Initials (or "NA" or "NC")	Item Number	Requirement
		equivalent level of reliability and public health protection. [62-604.400(1)(b) and (c), F.A.C.]
LR	4	The project is designed with no physical connections between a public or private potable water supply system and a sewer or force main and with no water pipes passing through or coming into contact with any part of a sewer manhole. [RSFW 38.1]
LR	5	The project is designed to preclude the deliberate introduction of storm water, surface water, groundwater, roof runoff, subsurface drainage, swimming pool drainage, air conditioning system condensate water, non-contact cooling water except as provided by Rule 62-610.668(1), F.A.C., and sources of uncontaminated wastewater, except to augment the supply of reclaimed water in accordance with Rule 62-610.472(3)(c), F.A.C. [62-604.400(1)(d), F.A.C.]
LR	6	The project is designed so that all new or relocated, buried sewers and force mains, are located in accordance with the separation requirements from water mains and reclaimed water lines of Rules 62-604.400(2)(g) and (h), F.A.C. Note, if the criteria of Rules 62-604.400(2)(g) 4. or (2)(h)3., F.A.C., are used, describe in Part II.(5)B. alternative construction features that will be provided to afford a similar level of reliability and public health protection. [62- 604.400(2)(g) and (h), F.A.C.; 62-555.314, F.A.C.]

Gravity Sewers

Initials (or "NA" or "NC")	Item Number	Requirement
LR	7	The project is designed with no public gravity sewer conveying raw wastewater less than 8 inches in diameter. [RSWF 33.1]
LR	8	The design considers buoyancy of sewers, and appropriate construction techniques are specified to prevent flotation of the pipe where high groundwater conditions are anticipated. [RSWF 33.3]
LR	9	All sewers are designed with slopes to give mean velocities, when flowing full, of not less than 2.0 feet per second, based on Manning's formula using an "n" value of 0.013; or if it is not practicable to maintain these minimum slopes and the depth of flow will be 0.3 of the diameter or greater for design average flow, the owner of the system has been notified that additional sewer maintenance will be required. The pipe diameter and slope are selected to obtain the greatest practical velocities to minimize solids deposition problems. Oversized sewers are not specified to justify flatter slopes. [RSWF 33.41, 33.42, and 33.43]
LR	10	Sewers are designed with uniform slope between manholes. [RWSF 33.44]
NA	11	Where velocities greater than 10 fps are designed, provisions to protect against displacement by erosion and impact are specified. [RSWF 33.45]
NA	12	Sewers on 20% slopes or greater are designed to be anchored securely with concrete, or equal, anchors spaced as follows: not over 36 feet center to center on grades 20% and up to 35%; not over 24 feet center to center on grades 35% and up to 50%; and not over 16 feet center to center on grades 50% and over. [RSWF 33.46]
LR	13	Sewers 24 inches or less are designed with straight alignment between manholes. Where curvilinear sewers are proposed for sewers greater than 24 inches, the design specifies compression joints; ASTM or specific pipe manufacturer's maximum allowable pipe joint deflection limits are not exceeded; and curvilinear sewers are limited to simple curves which start and end at manholes. [RSWF 33.5]
LR	14	Suitable couplings complying with ASTM specifications are required for joining dissimilar materials. [RSWF 33.7]
LR	15	Sewers are designed to prevent damage from superimposed loads. [RSWF 33.7]
LR	16	Appropriate specifications for the pipe and methods of bedding and backfilling are provided so as not to damage the pipe or its joints, impede cleaning operations and future tapping, nor create excessive side fill pressures and ovalation of the pipe, nor seriously impair flow capacity. [RSWF 33.81]
LR	17	Appropriate deflection tests are specified for all flexible pipe including PVC. Testing is

Initials (or "NA" or "NC")	Item Number	Requirement
		required after the final backfill has been in place at least 30 days to permit stabilization of the soil-pipe system. Testing requirements specify: 1) no pipe shall exceed a deflection of 5%; 2) using a rigid ball or mandrel for the deflection test with a diameter not less than 95% of the base inside diameter or average inside diameter of the pipe, depending on which is specified in the ASTM specification, including the appendix, to which the pipe is manufactured; and 3) performing the test without mechanical pulling devices. [RSWF 33.85]
LR	18	Leakage tests are specified requiring that: 1) the leakage exfiltration or infiltration does not exceed 100 gallons per inch of pipe diameter per mile per day for any section of the system; 2) exfiltration or infiltration tests be performed with a minimum positive head of 2 feet; and 3) air tests, as a minimum, conform to the test procedure described in ASTM C-828 for clay pipe, ASTM C 924 for concrete pipe, ASTM F-1417 for plastic pipe, and for other materials appropriate test procedures. [RSWF 33.93, 33.94, and 33.95]
NA	19	If an inverted siphon is proposed, documentation of its need is provided in Part II.(5)B. Inverted siphons are designed with: 1) at least two barrels; 2) a minimum pipe size of 6 inches; 3) necessary appurtenances for maintenance, convenient flushing, and cleaning equipment; and 4) inlet and discharge structures having adequate clearances for cleaning equipment, inspection, and flushing. Design provides sufficient head and appropriate pipe sizes to secure velocities of at least 3.0 fps for design average flows. The inlet and outlet are designed so that the design average flow may be diverted to one barrel, and that either barrel may be cut out of service for cleaning. [RSWF 35]

Manholes

Initials (or "NA" or "NC")	Item Number	Requirement
LR	20	The project is designed with manholes at the end of each line; at all changes in grade, size, or alignment; at all intersections; and at distances not greater than 400 feet for sewers 15 inches or less and 500 feet for sewers 18 inches to 30 inches, except in the case where adequate modern cleaning equipment is available at distances not greater than 600 feet. [RSWF 34.1]
LR	21	Design requires drop pipes to be provided for sewers entering manholes at elevations of 24 inches or more above the manhole invert. Where the difference in elevation between the incoming sewer and the manhole invert is less than 24 inches, the invert is designed with a fillet to prevent solids deposition. Inside drop connections (when necessary) are designed to be secured to the interior wall of the manhole and provide access for cleaning. Design requires the entire outside drop connection be encased in concrete. [RSWF 34.2]
LR	22	Manholes are designed with a minimum diameter of 48 inches and a minimum access diameter of 24 inches. [RSWF 34.3]
LR	23	Design requires that a bench be provided on each side of any manhole channel when the pipe diameter(s) are less than the manhole diameter and that no lateral sewer, service connection, or drop manhole pipe discharges onto the surface of the bench. [RSWF 34.5]
LR	24	Design requires: 1) manhole lift holes and grade adjustment rings be sealed with non-shrinking mortar or other appropriate material; 2) inlet and outlet pipes be joined to the manhole with a gasketed flexible watertight connection or another watertight connection arrangement that allows differential settlement of the pipe and manhole wall; and 3) watertight manhole covers be used wherever the manhole tops may be flooded by street runoff or high water. [RSWF 34.6]
LR	25	Manhole inspection and testing for water-tightness or damage prior to placing into service are specified. Air testing, if specified for concrete sewer manholes, conforms to the test procedures described in ASTM C-1244. [RSWF 34.7]
NA	26	Electrical equipment specified for use in manholes is consistent with Item 46 of this checklist. [RSWF 34.9]

Stream Crossings

Initials (or "NA" or "NC")	Item Number	Requirement
NA	27	Sewers and force mains entering or crossing streams are designed to be constructed of ductile iron pipe with mechanical joints or so they will remain watertight and free from changes in alignment or grade or constructed of HDPE with fused joints for directional drilling. Appropriate materials which will not readily erode, cause siltation, damage pipe during placement, or corrode the pipe are specified to backfill the trench. [RSWF 36.21]
NA	28	Stream crossings are designed to incorporate valves or other flow regulating devices (which may include pump stations) on the shoreline or at such distances from the shoreline to prevent discharge in the event the line is damaged. [62- 604.400(2)(j)5., F.A.C.]
NA	29	Sewers and force mains entering or crossing streams are designed at a sufficient depth below the natural bottom of the stream bed to protect the line. At a minimum, the project is designed with subaqueous lines to be buried at least three feet below the design or actual bottom, whichever is deeper, of a canal and other dredged waterway or the natural bottom of streams, rivers, estuaries, bays, and other natural water bodies; or if it is not practicable to design the project with less than three-foot minimum cover, alternative construction features (e.g. a concrete cap, sleeve, or some other properly engineered device to insure adequate protection of the line) are described in Part II.C. [62-604.400(2)(j)1., F.A.C., and RSWF 36.11]
NA	30	Specifications require permanent warning signs be placed on the banks of canals, streams, and rivers clearly identifying the nature and location (including depths below design or natural bottom) of subaqueous crossings and suitably fixed signs be placed at the shore, for subaqueous crossings of lakes, bays, and other large bodies of water, and in any area where anchoring is normally expected. [62-604.400(2)(j)2., F.A.C.]
NA	31	Provisions for testing the integrity of subaqueous lines are specified. [62-604.400(2)(j)4., F.A.C.]
NA	32	Supports are designed for all joints in pipes utilized for aerial crossings and to prevent overturning andsettlement. Expansion jointing is specified between above ground and below ground sewers and force mains. The design considers the impact of floodwaters and debris. [RSWF 37]
NA	33	Aerial crossings are designed to maintain existing or required navigational capabilities within the waterway and to reserve riparian rights of adjacent property owners. [62-604.400(2)(j)3., F.A.C.]

Pump Stations

Initials (or "NA" or "NC")	Item Number	Requirement
NA	34	In areas with high water tables, pump stations are designed to withstand flotation forces when empty. When siting the pump station, the design considers the potential for damage or interruption of operation because of flooding. Pump station structures and electrical and mechanical equipment are designed to be protected from physical damage by the 100-year flood. Pump stations are designed to remain fully operational and accessible during the 25-year flood unless lesser flood levels are appropriate based on local considerations, but not less than the 10-year flood. [62-604.400(2)(e), F.A.C.]
NA	35	Pump stations are designed to be readily accessible by maintenance vehicles during all weather conditions. [RSWF41.2]
NA	36	Wet well and pump station piping is designed to avoid operational problems from the accumulation of grit. [RSWF 41.3]
NA	37	Dry wells, including their superstructure, are designed to be completely separated from the wet well. Common walls are designed to be gas tight. [RSWF 42.21]
NA	38	The design includes provisions to facilitate removing pumps, motors, and other mechanical and electrical equipment. [RSWF 42.22]
NA	39	The design includes provisions for: 1) suitable and safe means of access for persons wearing self-

Initials (or "NA" or "NC")	Item Number	Requirement
		contained breathing apparatus are provided to dry wells, and to wet wells; 2) stairway access to wet wells more than 4 feet deep containing either bar screens or mechanical equipment requiring inspection or maintenance; 3) for built-in-place pump stations, a stairway to the dry well with rest landings at vertical intervals not to exceed 12 feet; 4) for factory-built pump stations over 15 feet deep, a rigidly fixed landing at vertical intervals not to exceed 10 feet unless a manlift or elevator is provided; and 5) where a landing is used, a suitable and rigidly fixed barrier to prevent an individual from falling past the intermediate landing to a lower level. If a manlift or elevator is provided, emergency access is included in the design. [RSWF 42.23]
NA	40	Specified construction materials are appropriate under conditions of exposure to hydrogen sulfide and other corrosive gases, greases, oils, and other constituents frequently present in wastewater. [RSWF 42.25]
NA	41	Multiple pumps are specified, and each pump has an individual intake. Where only two units are specified, they are of the same size. Specified units have capacity such that, with any unit out of service, the remaining units will have capacity to handle the design peak hourly flow. [RSWF 42.31 and 42.36]
NA	42	Bar racks are specified for pumps handling wastewater from 30 inch or larger diameter sewers. Where a bar rack is specified, a mechanical hoist is also provided. The design includes provisions for appropriate protection from clogging for small pump stations. [RSWF 42.322]
NA	43	Pumps handling raw wastewater are designed to pass spheres of at least 3 inches in diameter. Pump suction and discharge openings are designed to be at least 4 inches in diameter. Note, this provision is not applicable to grinder pumps. [RSWF 42.33]
NA	44	The design requires pumps be placed such that under normal operating conditions they will operate under a positive suction head, unless pumps are suction-lift pumps. [RSWF 42.34]
NA	45	The design requires: 1) pump stations be protected from lightning and transient voltage surges; and 2) pump stations be equipped with lightning arrestors, surge capacitors, or other similar protection devices and phase protection. Note, small pump stations serving a single building are not required to provide surge protection devices if not necessary because the pump station is protected by the surge protection device of the single building. [62-604.400(2)(b), F.A.C.]
NA	46	The design requires 1) electrical systems and components (e.g., motors, lights, cables, conduits, switch boxes, control circuits, etc.) in raw wastewater wet wells, or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors may be present, comply with the National Electrical Code requirements; 2) electrical equipment located in wet wells be suitable for use under corrosive conditions; 3) each flexible cable be provided with a watertight seal and separate strain relief; 4) a fused disconnect switch located above ground be provided for the main power feed for all pump stations; 5) electrical equipment exposed to weather to meet the requirements of weatherproof equipment NEMA 3R or 4; 6) a 110 volt power receptacle to facilitate maintenance be provided inside the control panel for pump stations that have control panels outdoors; and 7) ground fault interruption protection be provided for all outdoor outlets. [RSWF 42.35]
NA	47	The design requires a sump pump equipped with dual check valves be provided in dry wells to remove leakage or drainage with discharge above the maximum high water level of the wet well. [RSWF42.37]
NA	48	Pump/pump station design capacities are based on the peak hourly flow and are adequate to maintain a minimum velocity of 2 feet per second in the force main. [RSWF 42.38]
NA	49	The design includes provisions to automatically alternate the pumps in use. [RSWF 42.4]
NA	50	The design requires: 1) suitable shutoff valves be placed on the suction line of pumps/dry pit pumps; 2) suitable shutoff and check valves be placed on the discharge line of each pump (except on screw pumps); 3) a check valve be located between the shutoff valve and the pump; 4) check valves be suitable for the material being handled; 5) check valves be placed on the horizontal portion of discharge piping (except for ball checks, which may be placed in the vertical run); 6) all valves be capable of withstanding normal pressure and

Initials (or "NA" or "NC")	Item Number	Requirement
		water hammer; and 7) all shutoff and check valves be operable from the floor level and accessible for maintenance. [RSWF 42.5]
NA	51	The effective volume of wet wells is based on design average flows and a filling time not to exceed 30 minutes unless the facility is designed to provide flow equalization. The pump manufacturer's duty cycle recommendations were utilized in selecting the minimum cycle time. [RSWF 42.62]
NA	52	The design requires wet well floors have a minimum slope of 1 to 1 to the hopper bottom and the horizontal area of hopper bottoms be no greater than necessary for proper installation and function of the inlet. [RSWF 42.63]
NA	53	For covered wet wells, the design provides for air displacement to the atmosphere, such as an inverted "j" tube or other means. [RSWF 42.64]
NA	54	The design provides for adequate ventilation at all pump stations. Mechanical ventilation shall be provided where the dry well is below the ground surface. Permanently installed ventilation shall be provided if screens or mechanical equipment requiring maintenance or inspection are located in the wet well. Pump stations are designed with no interconnection between the wet well and dry well ventilation systems. [RSWF 42.71]
NA	55	The design requires all intermittently operated ventilation equipment to be interconnected with the respective pit lighting system and the manual lighting/ventilation switch to override the automatic controls. [RSWF 42.73]
NA	56	The design requires the fan wheels of ventilation systems be fabricated from non-sparking material and automatic heating and dehumidification equipment be provided in all dry wells. [RSWF 42.74]
NA	57	If wet well ventilation is continuous, design provides for at least 12 complete 100% fresh air changes per hour; if wet well ventilation is intermittent, design provides for at least 30 complete 100% fresh air changes per hour; and design requires air to be forced into wet wells by mechanical means rather than solely exhausted from the wet well. [RSWF 42.75]
NA	58	If dry well ventilation is continuous, design provides at least 12 complete 100% fresh air changes per hour; and dry well ventilation is intermittent, design provides for at least 30 complete 100% fresh air changes per hour, unless a system of two speed ventilation with an initial ventilation rate of 30 changes per hour for 10 minutes and automatic switch over to 6 changes per hour is used to conserve heat. [RSWF 42.76]
NA	59	Pump stations are designed and located on the site to minimize adverse effects from odors, noise, and lighting. [62- 604.400(2)(c), F.A.C.]
NA	60	The design requires pump stations be enclosed with a fence or otherwise designed with appropriate features to discourage the entry of animals and unauthorized persons. Posting of an unobstructed sign made of durable weather resistant material at a location visible to the public with a telephone number for a point of contact in case of emergency is specified. [62-604.400(2)(d), F.A.C.]
NA	61	The design requires suitable devices for measuring wastewater flow at all pump stations. Indicating, totalizing, and recording flow measurement are specified for pump stations with a 350 gpm or greater design peak flow. [RSWF 42.8]
NA	62	The project is designed with no physical connections between any potable water supplies and pump stations. If a potable water supply is brought to a station, reduced-pressure principle backflow-prevention assemblies are specified. [RSWF 42.9 and 62-555.30(4), F.A.C.]

Additional Items to be Completed for Suction-Lift Pump Stations

Initials (or "NA" or "NC")	Item Number	Requirement
NA	63	The design requires all suction-lift pumps to be either self-priming or vacuum-priming and the combined total of dynamic suction-lift at the "pump off" elevation and required net positive suction head at design operating conditions not to exceed 22 feet. For self-priming

Initials (or "NA" or "NC")	Item Number	Requirement
		pumps, the design requires: 1) pumps be capable of rapid priming and repriming at the "lead pump on" elevation with self-priming and repriming accomplished automatically under design operating conditions; 2) suction piping not to exceed the size of the pump suction or 25 feet in total length; and 3) priming lift at the "lead pump on" elevation to include a safety factor of at least 4 feet from the maximum allowable priming lift for the specific equipment at design operating conditions. For vacuum-priming pump stations, the design requires dual vacuum pumps capable of automatically and completely removing air from the suction-lift pumps and the vacuum pumps be adequately protected from damage due to wastewater. [RSWF 43.1]
NA	64	The design requires: 1) suction-lift pump equipment compartments to be above grade or offset and to be effectively isolated from the wet well to prevent a hazardous and corrosive sewer atmosphere from entering the equipment compartment; 2) wet well access not to be through the equipment compartment and to be at least 24 inches in diameter; 3) gasketed replacement plates be provided to cover the opening to the wet well for pump units to be remove for service; and 4) no valving be located in the wet well. [RSWF 43.2]

Additional Items to be Completed for Submersible Pump Stations

Initials (or "NA" or "NC")	Item Number	Requirement
NA	65	Submersible pumps and motors are designed specifically for raw wastewater use, including totally submerged operation during a portion of each pump cycle and to meet the requirements of the National Electrical Code for such units. Provisions for detecting shaft seal failure or potential seal failure are included in the design. [RSWF 44.1]
NA	66	The design requires submersible pumps be readily removable and replaceable without dewatering the wet well or disconnecting any piping in the wet well. [RSWF 44.2]
NA	67	In submersible pump stations, electrical supply, control, and alarm circuits are designed to provide strain relief; to allow disconnection from outside the wet well; and to protect terminals and connectors from corrosion by location outside the wet well or through use of watertight seals. [RSWF 44.31]
NA	68	In submersible pump stations, the design requires the motor control center to be located outside the wet well, readily accessible, and protected by a conduit seal or other appropriate measures meeting the requirements of the National Electrical Code, to prevent the atmosphere of the wet well from gaining access to the control center. If a seal is specified, the motor can be removed and electrically disconnected without disturbing the seal. The design requires control equipment exposed to weather to meet the requirements of weatherproof equipment NEMA 3R or 4. [RSWF 44.32]
NA	69	In submersible pump stations, the design requires: 1) pump motor power cords be flexible and serviceable under conditions of extra hard usage and to meet the requirements of the National Electrical Code standards for flexible cords in wastewater pump stations; 2) ground fault interruption protection be used to de-energize the circuit in the event of any failure in the electrical integrity of the cable; and 3) power cord terminal fittings be corrosion-resistant and constructed in a manner to prevent the entry of moisture into the cable, provided with strain relief appurtenances, and designed to facilitate field connecting. [RSWF 44.33]
NA	70	In submersible pump stations, the design requires all shut-off and check valves be located in a separate valve pit. Provisions to remove or drain accumulated water from the valve pit are included in the design. [RSWF 44.4]

Emergency Operations for Pump Stations

Initials (or "NA" or "NC")	Item Number	Requirement
NA	71	Pump stations are designed with an alarm system which activates in cases of power failure, sump pump failure, pump failure, unauthorized entry, or any cause of pump station malfunction. Pump station alarms are designed to be telemetered to a facility that is manned 24 hours a day. If such a facility is not available and a 24-hour holding capacity is not provided, the alarm is designed to be telemetered to utility offices during normal working hours and to the home of the responsible person(s) in charge of the lift station during off-duty hours. Note, if an audio-visual alarm system with a self-contained power supply is provided in lieu of a telemetered system, documentation is provided in Part II.(5)B. showing an equivalent level of reliability and public health protection. [RSWF 46]
NA	72	The design requires emergency pumping capability be provided for all pump stations. For pump stations that receive flow from one or more pump stations through a force main or pump stations discharging through pipes 12 inches or larger, the design requires uninterrupted pumping capability be provided, including an in-place emergency generator. Where portable pumping and/or generating equipment or manual transfer is used, the design includes sufficient storage capacity with an alarm system to allow time for detection of pump station failure and transportation and connection of emergency equipment. [62-604.400(2)(a)1. and 2., F.A.C., and RSWF 47.423 and 47.433]
NA	73	The design requires: 1) emergency standby systems to have sufficient capacity to start up and maintain the total rated running capacity of the station, including lighting, ventilation, and other auxiliary equipment necessary for safety and proper operation; 2) special sequencing controls be provided to start pump motors unless the generating equipment has capacity to start all pumps simultaneously with auxiliary equipment operating; 3) a riser from the force main with rapid connection capabilities and appropriate valving be provided for all pump stations to hook up portable pumps; and 4) all pump station reliability design features be compatible with the available temporary service power generating and pumping equipment of the authority responsible for operation and maintenance of the collection/transmission system. [62-604.400(2)(a)3., F.A.C., and RSWF 47.431]
NA	74	The design provides for emergency equipment to be protected from operation conditions that would result in damage to the equipment and from damage at the restoration of regular electrical power. [RSWF 47.411, 47.417, and 47.432]
NA	75	Where independent substations are used for emergency power, each separate substation and its associated transmission lines is designed to be capable of starting and operating the pump station at itsrated capacity. [RSWF 47.44]

Force Mains

Initials (or "NA" or "NC")	Item Number	Requirement
NA	76	Force mains are designed to maintain, at design pumping rates, a cleansing velocity of at least 2 feet per second. The minimum force main diameter specified for raw wastewater is not less than 4 inches. (Not applicable to low pressure sewer systems) [RSWF49.1]
NA	77	The design requires: 1) branches of intersecting force mains be provided with appropriate valves such that one branch may be shut down for maintenance and repair without interrupting the flow of other branches; and 2) stub-outs on force mains, placed in anticipation of future connections, be equipped with a valve to allow such connection without interruption of service. [62-604.400(2)(f), F.A.C.]
NA	78	The design requires air relief valves be placed at high points in the force main to prevent air locking. [RSWF492]
NA	79	Specified force main pipe and joints are equal to water main strength materials suitable for design conditions. The force main, reaction blocking, and station piping are designed to withstand water hammer pressures and stresses associated with the cycling of wastewater

Initials (or "NA" or "NC")	Item Number	Requirement
		pump stations. [RSWF 49.4]
NA	80	When the Hazen and Williams formula is used to calculate friction losses through force mains, the value for "C" is 100 for unlined iron or steel pipe for design. For other smooth pipe materials, such as PVC, polyethylene, lined ductile iron, the value for C does not exceed 120 (130 for PVC and HDPE) for design. (Not applicable to low pressure sewer systems) [RSWF 49.61]
NA	81	Where force mains are constructed of material, which might cause the force main to be confused with potable water mains, specifications require the force main to be clearly identified. [RSWF 49.7]
NA	82	Leakage tests for force mains are specified including testing methods and leakage limits. [RSWF 49.8]

Note, if this project is an alternative collection system (i.e. a low pressure sewer system or a vacuum sewer system), complete the checklist items on Attachment I for low pressure sewer systems or Attachment II for vacuum sewer systems. Include the attachment with the submittal. For any items marked "NA" or "NC," provide an explanation in section 5(B).

B. Explanation for Requirements or Standards Marked "NA" or "NC" in II(5)A above, which includes Attachments I and II (attach additional sheets if necessary):

Item 11 - No proposed sewer design with velocities greater than 10 fps for this project.

Item 12 – No proposed sewer with a slope greater than 20% for this project.

Item 19 – No inverted siphons are proposed.

Item 26 – No electrical equipment proposed within proposed manholes.

Items 27 - 33 – No stream crossings are proposed for this project.

Items 34 - 75 – No pump stations are proposed for this project.

Item 76 - 82 – No force main are proposed under this project.

PART III - Certifications

(1) Collection/Transmission System Permittee

I, the undersigned owner or authorized representative* of University of Miami am fully aware that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. I agree to retain the design engineer or another professional engineer registered in Florida, to conduct on-site observation of construction, to prepare a certification of completion of construction, and to review record drawings for adequacy. Further, I agree to provide an appropriate operation and maintenance manual for the facilities pursuant to Rule 62-604.500(4), F.A.C., and to retain a professional engineer registered in Florida to examine (or to prepare if desired) the manual. I am fully aware that Department approval must be obtained before this project is placed into service for any purpose other than testing for leaks and testing equipment operation.

Signed _____ Date July 28, 2023

Name Jessica Brumley Title Vice President, Facilities Operations

**Attach a letter of authorization.*

(2) Owner of Collection/Transmission System

I, the undersigned owner or authorized representative* of University of Miami certify that we will be the Owner of this project after it is placed into service. I agree that we will operate and maintain this project** in a manner that will comply with applicable Department rules. Also, I agree that we will promptly notify the Department if we sell or legally transfer ownership of this project.

Signed _____ Date July 28, 2023

Name Jessica Brumley Title Vice President, Facilities Operations

Company Name University of Miami

Address 1535 Levante Avenue

City Coral Gables State FL Zip 33146

Telephone 305-284-4706 Cell _____ Fax _____

Email jbrumley@miami.edu

* *Attach a letter of authorization*

**Description of the owner's portion if split _____

Second Owner of Collection/Transmission System (if system is divided with different owners

I, the undersigned owner or authorized representative* of City Of Coral Gables certify that we will be the Owner of this project after it is placed into service. I agree that we will operate and maintain this project in a manner that will comply with applicable Department rules. Also, I agree that we will promptly notify the Department if we sell or legally transfer ownership of this project.

Signed Jose Saucedo Date 7/28/2023

Name Jose Saucedo Title Interim Utilities & ROW Director

Company Name CITY OF CORAL GABLES

Address 2800 SW 72nd Ave

City Miami State FL Zip 33155

Telephone 305-460-5000 Cell _____ Fax _____

Email jsaucedo@coralgables.com

* *Attach a letter of authorization*

**Description of the second owner portion if split _____

(3) Wastewater Facility Serving Collection/Transmission System**

If this is a Notice of Intent to use a general permit, check here:

☐ The undersigned owner or authorized representative* of the _____ wastewater facility

hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is in compliance with the capacity analysis report requirements of Rule 62-600.405, F.A.C.; is not under a Department order associated with effluent violations or the ability to treat wastewater adequately; and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

If this is an application for an individual permit, check one:

☒ The undersigned owner or authorized representative* of the Central District WWTP wastewater facility hereby certifies that the above referenced facility has and will have adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

☐ The undersigned owner or authorized representative* of the _____ wastewater facility hereby certifies that the above referenced facility currently does not have, but will have prior to placing the proposed project into operation, adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

Name of Treatment Plant Serving Project Central District WWTP

County Miami Dade City ~~Coral Gables~~

DEP Facility ID: FL 0024805

Maximum monthly average daily flow over the last 12 month period ~~167.96~~ 158.22 MGD Month(s) used ~~March 2023~~ Nov-22

Maximum three-month average daily flow over the last 12 month period 156.07 MGD Month(s) used ~~March 2023~~ Sep 22- Nov 22

Current permitted capacity 143 MGD ☒ AADF ☐ MADF ☐ TMADF

Current outstanding flow commitments (including this project) against treatment plant capacity _____ MGD

Signed Sergio A. Garcia, P.E. Digitally signed by Sergio A. Garcia, P.E. Date: 2023.08.10 10:47:35-04'00' Date 8/10/2023

Name Sergio A. Garcia P.E. Title Senior Professional Engineer

Company Name MD-WASD

Address 3071 SW 38 Ave

City Miami State FL Zip 33146

Telephone 786.552.~~8357~~ 8351 Cell _____ Fax _____

Email Sergio.Garcia@miamidade.gov

** Attach a letter of authorization*

*** If there is an intermediate satellite collection system between the project and the final receiving facility collection system, a letter shall be attached certifying that the intermediate downstream satellite collection system has adequate reserve capacity to accept the flow from this project.*

(4) Professional Engineer Registered in Florida

I, the undersigned professional engineer registered in Florida, certify that I am in responsible charge of the preparation and production of engineering documents for this project; that plans and specifications for this project have been completed; that I have expertise in the design of wastewater collection/transmission systems; and that, to the best of my knowledge and belief, the engineering design for this project complies with the requirements of Chapter 62-604, F.A.C.

(Affix Seal)

This item has been digitally signed and sealed by Leonardo Rodriguez, PE, on the date adjacent to the seal

Printed Copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Signed _____

Date 08/11/2023

Name Leonardo Rodriguez Florida Registration No. 54858

Company Name Langan Engineering & Environmental Services

Address 1221 Brickell Ave, Suite 1800

City Miami State FL Zip 33131

Telephone 786-264-7200 Cell _____ Fax _____

Email lrodriguez@langan.com

Portion of the project for which responsible: _____

Second Engineer (if applicable)

(Affix Seal)

Signed _____

Date _____

Name _____ Florida Registration No. _____

Company Name _____

Address _____

City _____ State _____ Zip _____

Telephone _____ Cell _____ Fax _____

Email _____

Portion of the Project for Which Responsible: _____

Special Warranty Deed

CFN: 20180426483 BOOK 31060 PAGE 3491
DATE:07/17/2018 09:07:48 AM
DEED DOC 53,034.00
SURTAX 39,775.50
HARVEY RUVIN, CLERK OF COURT, MIA-DADE CTY

Prepared by and return to:

J. Stephen Gardner, Esquire
Gardner Brewer Martinez-Monfort P.A.
400 North Ashley Drive, Suite 1100
Tampa, FL 33602

First American Title Insurance Co.
4211 W.Boy Scout Blvd. Ste. 650
Tampa, FL 33607
NCS-878667

NOTE TO RECORDER: Consideration for the deed is $8,838,975.00

Tax folio no: 03-4130-009-0210

[Space Above This Line For Recording Data]

Special Warranty Deed

This Special Warranty Deed made this 5th day of July, 2018, between THE BOARD OF TRUSTEES OF THE FLORIDA ANNUAL CONFERENCE OF THE UNITED METHODIST CHURCH, INC., a Florida not for profit corporation, whose post office address is 450 Martin Luther King, Jr. Avenue, Lakeland, FL 33815, grantor, and THE UNIVERSITY OF MIAMI, a Florida not for profit corporation, whose post office address is 1320 S. DIXIE Highway, Suite 705, Coral Gables, FL 33146-2820, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and their successors and assigns)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's successors and assigns forever, the following described land, situate, lying and being in Miami-Dade County, Florida (the "Property"), to-wit:

LEGAL DESCRIPTION CONTAINED ON EXHIBIT "A"
ATTACHED HERETO AND MADE A PART HEREOF

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

Subject, however, to each of the matters set forth in Exhibit "B" attached hereto and made a part hereof (provided, however, that nothing shall serve to reimpose the same) and real estate taxes and assessments for the calendar year 2018 and all subsequent calendar years thereafter (collectively, the "Permitted Encumbrances").

To Have and To Hold the Property, together with all and singular the tenements, hereditaments, rights and appurtenances thereto in anywise belonging or appertaining, subject to the Permitted Encumbrances, unto grantee, grantee's successors and assigns, forever; and grantor does hereby represent and warrant that grantor has fee simple title to the property, is lawfully seized of the Property and does hereby bind grantor and grantor's successors and assigns to

WARRANT AND FOREVER DEFEND all and singular the Property, subject to the Permitted Encumbrances, unto grantee and grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through or under grantor, but not otherwise.

[SIGNATURES CONTAINED ON FOLLOWING PAGE]

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

THE BOARD OF TRUSTEES OF THE FLORIDA ANNUAL CONFERENCE OF THE UNITED METHODIST CHURCH, INC., a Florida not-for-profit corporation

Witness Name: Nancy A. Bernath

Witness Name: Elaine L. Barrow

By: Kenneth C. Hamilton
Name: Kenneth C. Hamilton
Title: Vice President, FL Conf. Board of Trustees

Witness Name: Craig A. Smelser

Witness Name: La Nita V. Battles

By: _____
Anthony Prestipino, Treasurer

[ACKNOWLEDGMENTS CONTAINED ON FOLLOWING PAGE]

State of Florida
County of Leon

The foregoing instrument was acknowledged before me this 28 day of June, 2018, by Ken Hamilton as Vice President of THE BOARD OF TRUSTEES OF THE FLORIDA ANNUAL CONFERENCE OF THE UNITED METHODIST CHURCH, INC., a Florida not-for-profit corporation, on behalf of the corporation. Such officer [X] is personally known or [_] has produced a driver's license as identification.

[Notary Seal]

MARTHA A. ARRINGTON
Notary Public - State of Florida
Commission # GG 106454
My Comm. Expires May 21, 2021
Bonded through National Notary Assn.

Notary Public

Printed Name: Martha Arrington

My Commission Expires: 5.21.21

State of Florida
County of Polk

The foregoing instrument was acknowledged before me this 28 day of June, 2018, by ANTHONY PRESTIPINO as Treasurer of THE BOARD OF TRUSTEES OF THE FLORIDA ANNUAL CONFERENCE OF THE UNITED METHODIST CHURCH, INC., a Florida not-for-profit corporation, on behalf of the corporation. Such officer [X] is personally known or [_] has produced a driver's license as identification.

[Notary Seal]

VIRGINIA L. GARSKE
Notary Public - State of Florida
Commission # FF 245118
My Comm. Expires May 22, 2019
Bonded through National Notary Assn.

Notary Public

Printed Name: Virginia L. Garske

My commission expires: 5-22-2019

MIAMI 5706605.2 73324/85813
{00553916-2 }

EXHIBIT "A"

Lots 1 through 8, inclusive and Lots 34 through 40, inclusive, and All of Alley Northwesterly & Adjacent to Lots 34 through 40, LESS Beginning at the Southeast Corner of Lot 8 Northwesterly 10 feet, South 14 feet, Northeasterly 10 feet to Point of Beginning, Block 196 of Second Revised Plat of Coral Gables Riviera Section Part 14, according to the Plat thereof as recorded in Plat Book 28, Page 32, of the Public Records of Miami-Dade County, Florida.

EXHIBIT "B"

Permitted Encumbrances

1. All matters contained on the Plat of Second Revised Plat of Coral Gables Riviera Section Part 14, as recorded in Plat Book 28, Page 32, Public Records of Miami-Dade County, Florida.

2. Telephone and Telegraph Easement in favor of South Atlantic Telephone and Telegraph Company granted in Deed recorded in Deed Book 839, Page 106, Public Records of Miami-Dade County, Florida.

3. Utility Easement referenced in the following instruments, which easements run along the rear five 5) feet of the platted lots and along the three (3) foot strip lying along the side lines of the platted lots per Paragraph 15 of the Warranty Deed recorded at Deed Book 1191, Page 455, Public Records of Miami-Dade County, Florida. (As to Lot 40)

4. Utility Easement referenced in the following instruments, which easements run along the rear five 5) feet of the platted lots and along the three (3) foot strip lying along the side lines of the platted lots per Paragraph 16 of the Warranty Deed recorded at Deed Book 1304, Page 9, and reiterated in Deed Book 1314, Page 57, Public Records of Miami-Dade County, Florida. (As to All Lots, less Lot 40)

5. Resolution No. HPR129-LHD2009-04 designating a local historic landmark recorded in O.R. Book 28001, Page 1710, Public Records of Miami-Dade County, Florida.

6. Declaration of Restrictive Covenant as to conditions, rights, charges, assessments, easements and restrictions recorded in O.R. Book 21681, Page 425, Public Records of Miami-Dade County, Florida.

6565 Outside Sewer Connection Agreement

Final Audit Report 2023-10-06

Created:	2023-10-05
By:	Christhal Cannon (ccannon@miami.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAogGVKiCqAGMifyeGqJUVe9Pc-7okiG-F

"6565 Outside Sewer Connection Agreement" History

Document created by Christhal Cannon (ccannon@miami.edu)
2023-10-05 - 7:31:23 PM GMT- IP address: 129.171.249.138

Document emailed to Jessica Brumley (jbrumley@miami.edu) for signature
2023-10-05 - 7:32:53 PM GMT

Email viewed by Jessica Brumley (jbrumley@miami.edu)
2023-10-06 - 3:11:45 AM GMT- IP address: 104.28.57.246

Document e-signed by Jessica Brumley (jbrumley@miami.edu)
Signature Date: 2023-10-06 - 1:44:21 PM GMT - Time Source: server- IP address: 129.171.249.144

Agreement completed.
2023-10-06 - 1:44:21 PM GMT