UNIVERSITY OF MIAMI



May 17, 2024

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

Theater Arts Building PWKS-22-08-0902

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 new Theatre Arts Building by means of a connection to an existing 15" clay sewer main that discharges into UM Pump Station #77-01A and ultimately to the City of Coral Gables force main at Ponce de Leon Blvd.

The following information pertains to the project:

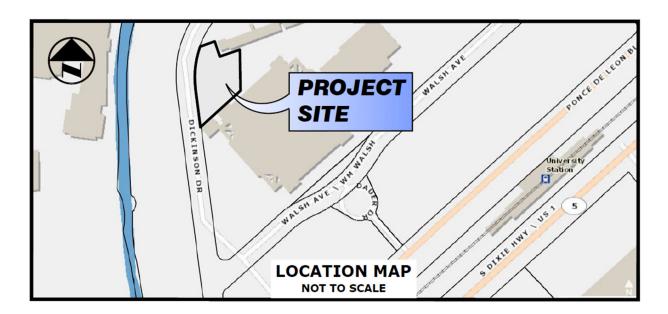
- Applicant: University of Miami

- Address: 1535 Levante Avenue Coral Gables, FL 33146

Telephone: 305.284.6749

- Property Address: 1238 Dickinson Drive, Coral Gables, FL 33146

Legal Description: All that lot, piece, or parcel of land situated, lying and being in Section 30, Township 54 South, Range 41 East, City of Coral Gables, Miami-Dade County, Florida, being a portion of Tract 5 as shown on the underlying plat of "Amended Plat Portion of Main Campus of the University of Miami", according to the plat thereof, as recorded June 30, 1948, in Plat Book 46, at Page 81 of the Public Records of Miami-Dade County, Florida, the location of which being more particularly shown on the map below and described in the attached sketch and legal description.



- Government Agency having Jurisdiction: Enclosed please find copy of the Department of Regulatory and Economic Resources "DERM" approved sewer plans and permit for the construction of a domestic wastewater collection/ transmission system.
- Allocation letter from Miami-Dade County
- Proposed additional flows to the City of Coral Gables sewer system:

Peak daily flow factor:4.38Peak daily flow: 8,638 GPD

Minimum: 0 GPDAverage: 1,972 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.

- (1) To pay a connection fee of \$2,100.00 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. Pre-chlorination 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 form 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 MU	JLTIPLIER
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. 22601, 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.

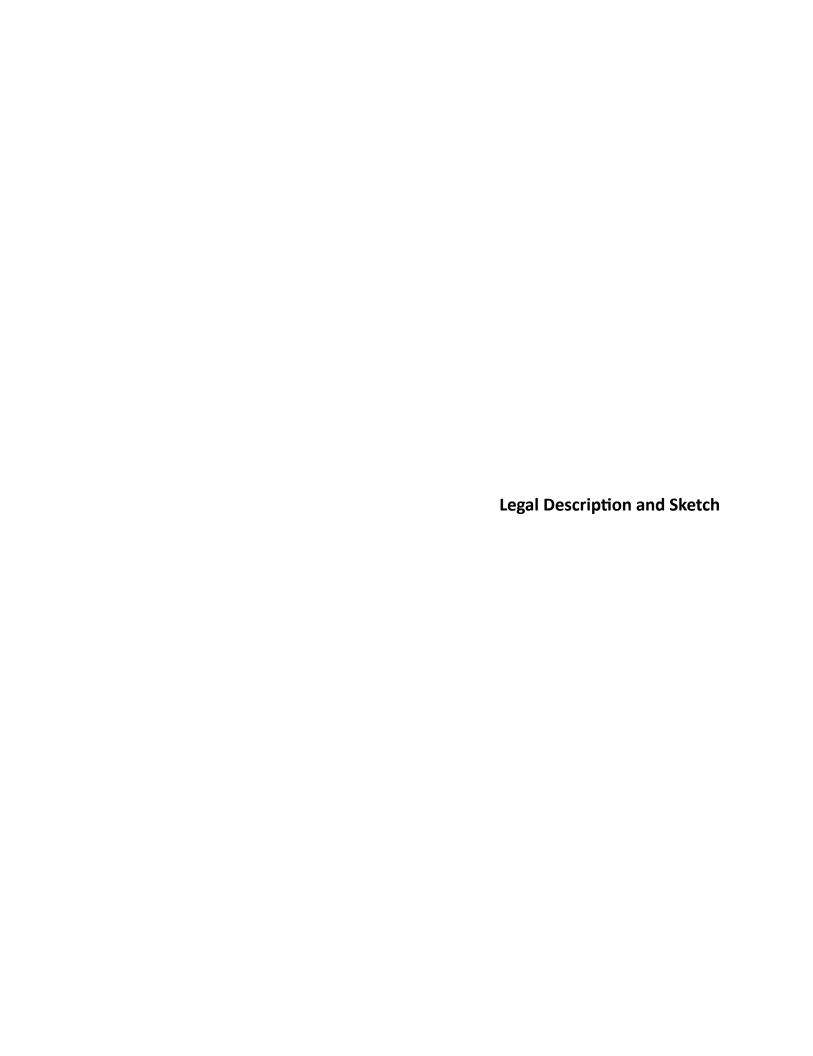
Sincerely,

Jess ca E. Brumley

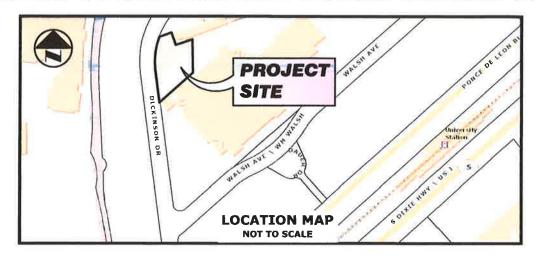
Vice-President

Facilities Operations & Planning

University of Miami



SKETCH TO ACCOMPANY LEGAL DESCRIPTION



SURVEYOR'S REPORT
SKETCH TO ACCOMPANY LEGAL DESCRIPTION
UNIVERSITY OF MIAMI
THEATRE ARTS SITE
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 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:

ALL THAT LOT, PIECE OR PARCEL OF LAND SITUATE, LYING AND BEING IN SECTION 30, TOWNSHIP 54 SOUTH, RANGE 41 EAST, CITY OF CORAL GABLES, MIAMI-DADE COUNTY, FLORIDA, BEING A PORTION OF TR. 5 AS SHOWN ON THE UNDERLYING PLAT OF "AMENDED PLAT PORTION OF MAIN CAMPUS UNIVERSITY OF MIAMI," ACCORDING TO THE PLAT THEREOF, AS RECORDED JUNE 30, 1948 IN PLAT BOOK 46 AT PAGE 81, AS FILED FOR RECORD WITH THE CLERK OF THE CIRCUIT COURT IN THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA AND THE SAME BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS, VIZ.:

COMMENCE AT THE POINT OF INTERSECTION OF THE CENTERLINE OF WM. E. WALSH AVE. WITH THE CENTERLINE OF THEO. DICKINSON DRIVE AS SHOWN ON SAID PLAT OF "AMENDED PLAT PORTION OF MAIN CAMPUS UNIVERSITY OF MIAMI"; THENCE NO7°27'30"W (N04°55'30"W BY PLAT) ALONG SAID CENTERLINE OF THEO. DICKINSON DRIVE FOR 510.14 FEET; THENCE DEPARTING SAID CENTERLINE OF THEO. DICKINSON DRIVE, N82°32'57"E AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE FOR 30.00 FEET TO A POINT OF INTERSECTION WITH THE SOUTHEASTERLY RIGHT OF WAY LINE OF SAID THEO. DICKINSON DRIVE AND THE NORTHWESTERLY LINE OF SAID TR. 5, WITH SAID POINT OF INTERSECTION BEING THE POINT OF BEGINNING OF THE HEREINAFTER DESCRIBED PARCEL OF LAND; FROM SAID POINT OF BEGINNING, THENCE NO7°27'03"W ALONG SAID SOUTHEASTERLY RIGHT OF WAY LINE OF THEO. DICKINSON DRIVE AND THE NORTHWESTERLY LINE OF TR. 5 FOR 109.86 FEET TO A POINT OF CURVATURE OF A CIRCULAR CURVE CONCAVE TO THE EAST, THENCE NORTHEASTERLY ALONG SAID SOUTHEASTERLY RIGHT OF WAY LINE OF THEO. DICKINSON DRIVE, THE NORTHWESTERLY LINE OF TR. 5 AND THE ARC OF SAID CURVE, HAVING A RADIUS OF 272.84 FEET AND A CENTRAL ANGLE OF 26°52'46" FOR 128.00 FEET TO A POINT OF NON-TANGENT INTERSECTION WITH A LINE BEARING N70°06'13"E, WITH SAID POINT OF NON-TANGENT INTERSECTION BEARING N70 34'18"W FROM THE CENTER OF SAID CURVE; THENCE DEPARTING SAID SOUTHEASTERLY RIGHT OF WAY LINE OF THEO. DICKINSON DRIVE, THE NORTHWESTERLY LINE OF TR. 5 AND THE ARC OF SAID CURVE, N70°06'13"E ALONG SAID LINE FOR 45.53 FEET: THENCE S18°59'21"E FOR 46.77 FEET TO A POINT OF INTERSECTION WITH THE NORTHWESTERLY LINE OF THE PROPERTY DESCRIBED IN THAT CERTAIN AGREEMENT FOR WATER FACILITIES BETWEEN MIAMI-DADE COUNTY AND THE UNIVERSITY OF MIAMI AS RECORDED FEBRUARY 20, 2001 IN OFFICIAL RECORDS BOOK 19506 AT PAGE 1286 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA; THENCE N71°00'39"E ALONG SAID NORTHWESTERLY LINE OF THE PROPERTY DESCRIBED IN THAT CERTAIN AGREEMENT FOR WATER FACILITIES BETWEEN MIAMI-DADE COUNTY AND THE UNIVERSITY OF MIAMI FOR 61.77 FEET; THENCE DEPARTING SAID LINE, S00°58'46"E FOR 119.92 FEET; THENCE S47°47'46"W FOR 158.59 FEET TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINS 0.52 ACRE OR 22728 SQUARE FEET, MORE OR LESS.

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-JUSERSIERIK FERNANDEZJIBM DATA SYSTEM, LLCIGEOMATICS - DOCUMENTSPROJECTS/ATKINSI2506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDING/02506 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084 - 100068084

800 Waterford Way
Suite 700

AtkinsRéals Miami, FL 33126

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

UNIVERSITY OF MIAMI

THEATRE ARTS SITE UNIVERSITY OF MIAMI



	GINAL: 1 <u>0/30/2023</u> 'ISIONS:
1_	
2	
3	

SHEET: 1 OF 3

Sketch to accompany legal description

ARTICLE III SOURCES OF DATA:

- 1. THE RECORDED PLAT OF "AMENDED PLAT PORTION OF MAIN CAMPUS UNIVERSITY OF MIAMI," ACCORDING TO THE PLAT THEREOF, AS RECORDED JUNE 30, 1948 IN PLAT BOOK 46 AT PAGE 81 OF THE PUBLIC RECORDS OF DADE COUNTY (NOW MIAMI-DADE COUNTY), FLORIDA.
- 2. THE RECORDED INSTRUMENTS AS SET FORTH IN THE LEGAL DESCRIPTION.
- 3. SURVEYS OF ADJACENT SITES 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. BEARINGS AS SHOWN HEREON REFER TO A CALCULATED BEARING OF N07°37'03"W ALONG THE CENTERLINE OF THEO. DICKINSON DRIVE STEMMING FROM ITS INTERSECTION WITH WM. E. WALSH AVENUE AS INDICATED ON THE MAP. THIS BEARING WAS COMPUTED BASED ON THE STATE PLANE COORDINATE SYSTEM FOR THE EAST ZONE OF FLORIDA, NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT (NAD83/11). FOR COMPARATIVE PURPOSES, THE BEARING OF THE SAME LINE BASED ON THE UNDERLYING RECORDED PLAT IS NO4°55'30"E.
- 5. THE BOUNDARIES OF THE RIGHTS OF WAY AND TRACTS AS INDICATED ON THE SURVEY MAP WERE ACQUIRED FROM THE UNDERLYING PLAT OF RECORD AND OTHER RECORDED DATA AS MORE FULLY SHOWN ON THE SURVEY MAP.
- 6. TAX FOLIO ENTRIES PUBLISHED BY THE MIAMI-DADE COUNTY PROPERTY APPRAISER'S OFFICE FOR THE 2022 TAX YEAR.
- 7. THEO. DICKINSON DRIVE AND WM. E WALSH AVENUE WERE VACATED PURSUANT TO CITY OF CORAL GABLES CITY ORDINANCE NUMBER 2011-03, AS RECORDED JUNE 16, 2011 IN OFFICIAL RECORDS BOOK 27724 AT PAGE 2651 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

ARTICLE IV LIMITATIONS:

- 1. 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.
- 2. INTERIOR IMPROVEMENTS TO THE SUBJECT PROPERTY WERE NOT LOCATED.
- 3. INFORMATION REGARDING ZONING BOUNDARIES, SETBACK LINES AND OTHER RELATED CONDITIONS AND RESTRICTIONS AS MAY EXIST WERE NOT PROVIDED.
- 4. 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.
- 5. 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 FASEMENTS OTHER THAT WHAT MAY APPEAR ON THE SKETCH, 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 DOCUMENT 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

BY:

DOUGLAS W. DEANS, RLS
REGISTERED LAND SURVEYOR NO. 4140
STATE OF FLORIDA
DATE:

© 2001-ATKINS NORTH AMERICA, INC.
AS SUCCESSOR IN NAME TO PBS&J UNDER MY DIRECTION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND FURTHER, THAT SAID DOCUMENT MEETS THE

AS SUCCESSOR IN NAME TO PBS&J ALL RIGHTS RESERVED.

COPYRIGHT OFFICE REGISTRATION NO. TXU1-004-364

SHALL NOT BE CONSIDERED FULL, VALID AND COMPLETE UNLESS ATTACHED TO THE OTHERS.

NOT A BOUNDARY SURVEY

RAWING: C:USERSVERIK FERNANDEZUBM DATA SYSTEM, LLCYGEOMATICS - DOCUMENTSYPROJECTSVATKINSV2506 - 1000680B4 475 - UNIVERSITY OF MIAMI THEATRE ARTS SITEDWYGV2506 - 1000680B4 475 - UNIVE

86	00 Wate	rford Way
		Suite 700
1 Atkino Dóglio	Miami,	FL 33126
AtkinsRéalis	(305)	592-7275
ATKINS NORTH AMERICA, INC.		
FLORIDA CERTIFICATE OF AUTHORIZATION	NUMB	ER LB24

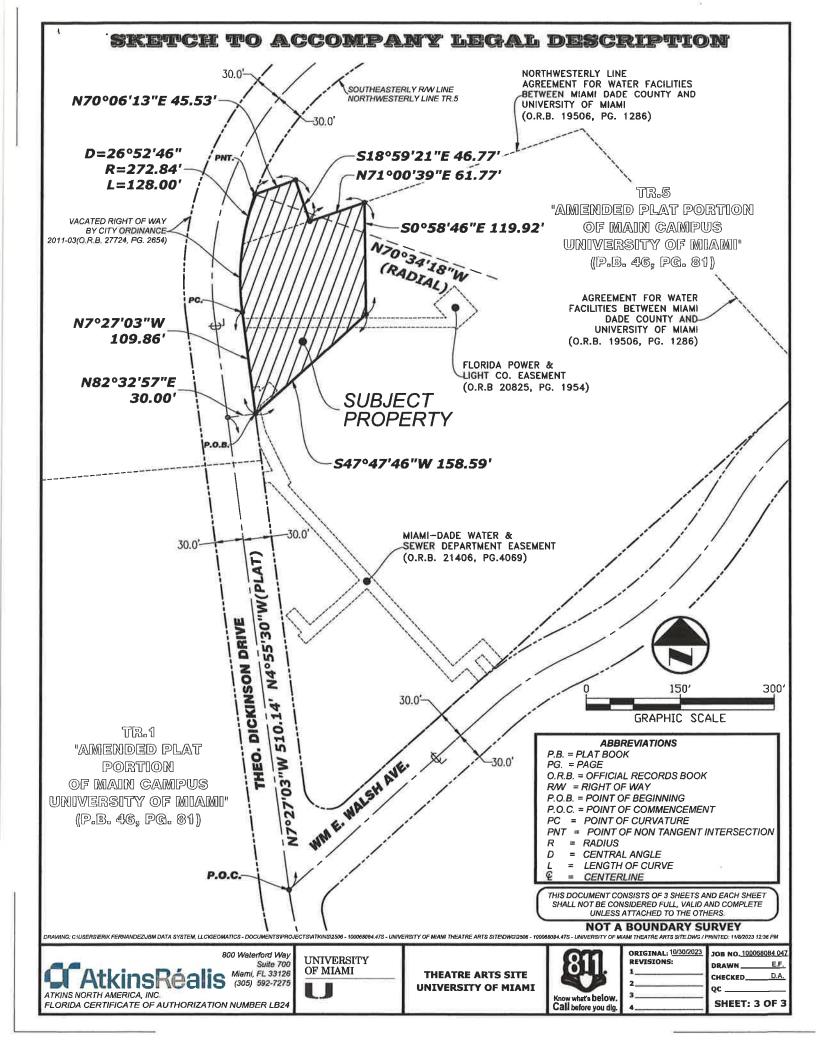
UNIVERSITY OF MIAMI

THEATRE ARTS SITE UNIVERSITY OF MIAMI



ORIGINAL: 10/30/2023 REVISIONS: 3

JOB NO. 100068084 04 DRAWN, E,F. D.A. CHECKED. QC SHEET: 2 OF 3



Allocation Letter and Sewer Flow Calculations



3/20/2024

Issued Date: 3/6/2023

UNIVERSITY OF MIAMI

RICK BOBBY

, FL

RE: Sanitary Sewer Certification of Adequate Capacity

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

Project Name: Art building & theater @ UM/M2022017666 Project Location: 1228 DICKINSON DR PENTLAND HOUSE, , FL

Previous Use: VACANT LAND

Proposed Use: 16'037 SF ART BUILDING THEATER W/ 48 SEAT

Previous Flow: 0 GPD

Total Calculated Flow: 1972 GPD

Allocated Flow (additional sewer flows): 1972 GPD

Sewer Utility: UNIVERSITY OF MIAMI Receiving Pump Station: 77 - UM01A

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 certifies that adequate treatment and transmission capacity is available for the above described project, pursuant to the criterion stipulated in Appendix A of said Consent Decree.

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.

Be advised that this 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) 372-6899.

Sincerely,

Lisa M. Spadafina, Director Division of Environmental Resources Management

Der Ming Kup

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: UNIVERSITY OF MIAMI

Owner's Address:

EEOS Allocation Number: 2023-ALLOCATION-00654

Project: Art building & theater @ UM/M2022017666

Proposed Use: 16'037 SF ART BUILDING THEATER W/ 48 SEAT

Pump Station: 77-UM01A Projected NAPOT: 2.40

Proposed Projected NAPOT: 2.42

	Lot/Block Bldg Proc #			Sewer Status	Sewer Cert Date	Exp. Date
0341300150070	/ 22070920	1228 THEO DICKINSON DR	1,972	APP	3/6/2023	
Total:			1,972	GPD		



Water and Sewer PO Box 330316 Miami, Florida 33233-0316 T 786-268-5360 F 786-268-5150

VERIFICATION FORM

DATE:	March 1, 2023	BLDG PROCESS #:	M2022017666
VF#	23-31228-L-VF - 1	INVOICE(S)#:	N00123518
			N00123518

THIS FORM EXPIRES ONE YEAR FROM THE DATE ON FORM

PROJECT NAME:	UM NEW THEATER ARTS BUILDING 1228 THEO DICKINSON DR M2022017666
PROJECT/AGREEMENT NUMBER:	31228
PROJECT DESCRIPTION:	CC'S FOR NEW 16,037 SQ FT SCHOOL BUILDING AND 1,590 SQ FT BLACK BOX THEATHER WITH 48
SEATS AS PER ENGINEER LETTER	R REPLACING VACANT LAND AS PER PTXA

Folio	Address	Zip Code	Lo	ot	Block	Proposed sq. f	t. Previous sq. ft.
0341300150070	1228 THEO DICKINSON DR	33146	M		В	17,627	0
Connection Type	Reason for Connection Information	Critical H	abitat	Wetland	s Affor	dable Housing	SIR Inspection #
Water, Sewer	New Construction	No		No		No	N/A

THIS VERIFICATION LETTER CERTIFIES THAT AVAILABILITY OF A WATER AND/OR SEWER MAIN ONLY, AND IT DOES NOT GUARANTEE THE EXISTENCE OF A WATER SERVICE LINE, FIRE LINE OR OF A SEWER LATERAL WITH SUFFICIENT DEPTH TO SERVE THE PROPERTY. FOR ADDITIONAL INFORMATION EMAIL NEWBUSINESSSUPVLIST@MIAMIDADE.GOV. SHOULD IT BECOME NECESSARY TO INSTALL A SERVICE LINE AND/OR A SEWER LATERAL MDWASD REQUIRES THAT THE DEVELOPER RETAINS SERVICES FROM DESIGNERS AND CONTRACTORS WITH SKILL SETS FOR DESIGNING, BUILDING, AND CONNECTING TO PUBLIC WATER AND SEWER SYSTEMS. A WATER AND/OR SEWER AGREEMENT MAY BE REQUIRED. AN INSPECTION FOR ANY EXISTING SERVICES WILL BE PROCESSED WITH THIS FORM, AND A SERVICE UPGRADE MAY BE REQUIRED WHICH MAY TAKE UP TO 12 WEEKS.

THIS IS TO CERTIFY THAT THE MIAMI-DADE WATER AND SEWER DEPARTMENT **DOES HAVE** A(N) 12 INCH WATER MAIN AND/OR **DOES NOT HAVE** A(N) INCH GRAVITY SEWER MAIN ABUTTING THE SUBJECT PROPERTY.

Proposed Use	Square Footage/ # Units	Water Gallons Per Day	Sewer Gallons Per Day
School Regular (12 gpd/100 sq ft)	16037	1,924	1,924
Theatre Indoor (1 gpd/seat)	48	48	48
Previous Use	Square Footage/ # Units	Water Gallons Per Day	Sewer Gallons Per Day
Vacant Land (0 gpd)	0	0	0

Water Service Area	WASD Water	Sewer Service Area	Coral Gables Sewer
Net Water GPD	1,972	Net Sewer GPD	1,972
Net Water Cost (\$)	\$2,741.08	Net Sewer Cost (\$)	\$11,043.20
Water Basin Charge (\$)	No	Sewer Basin Charge (\$)	No
Total Connection Charges (\$)			\$13,784.28
Total Construction Connection Charges (\$) (accrues interest daily)			\$ 0.00
Construction Connection Charges Status			N/A

WE ARE WILLING TO SERVE THE SUBJECT PROPERTY, SUBJECT TO PROHIBITIONS, OR RESTRICTIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER MATTERS OF THE ANTICIPATED DAILY WATER AND/OR SEWAGE FLOW FOR THIS PROJECT WHICH WILL BE THE NUMBER OF GALLONS PER DAY INCREASE STATED ABOVE. IF "WILL HAVE", UPON PROPER CONVEYANCE AND PLACEMENT INTO SERVICE OF WATER AND/OR SEWER FACILITIES BY THE DEVELOPER UNDER AGREEMENT IF APPLICABLE WITH THE DEPARTMENT. FURTHERMORE, APPROVAL OF ALL SEWAGE FLOWS INTO THE DEPARTMENT'S SYSTEM MUST BE OBTAINED FROM D.E.R.M. SUBJECT TO RER'S TERMS AND CONDITIONS SET FORTH IN THE CONSENT DECREE (CASE NO. 1:12-CV-24400-FAM) OR DOH ONSITE SEWER TREATMENT & DISPOSAL SYSTEM RULES & STATUES.

Fixed Fee Item Price (\$)		Total Quantity	Total Fees (\$)
Total Fixed Fee			\$ 0.00
Verification		\$13,784.28	

COMMENTS: Refunds are based on the date of payment and subject to State Statute 95-11. Some fees are not refundable. Only 5/8" meter for domestic service and no irrigation meter: N/A

ANY EXISTING COUNTY WATER FACILITIES AND ALL APPURTENANCES INCLUDING FIRE HYDRANTS WITHIN DEVELOPERS PROPERTY THAT WILL CONFLICT WITH PROPOSED DEVELOPMENT MUST BE REMOVED AND/OR RELOCATED & PERFORMED BY OR FOR THE DEVELOPER PRIOR TO CONSTRUCTION*

CUSTOMER NAME: RICKY BOBBY	CUSTOMER PHONE:		DNE:
Prepare by: Amber Brown		Approved by:	Evangelos Marsellos
Printed Name of Reviewer			Printed Name of Supervisor



UNIVERSITY OF MIAMI THEATER ARTS BUILDING

SANITARY SEWER EXTENSION

DICKINSON DRIVE CORAL GABLES, FLORIDA

SECTION 30, TOWNSHIP 54S, RANGE 41E

INDEX OF SHEETS

GENERAL NOTES AND SPECIFICATIONS

SANITARY SEWER DISTRIBUTION PLAN

SANITARY SEWER DISTRIBUTION PLAN

COVER SHEET

SEWER MAIN PROFILE

SHEET NO.

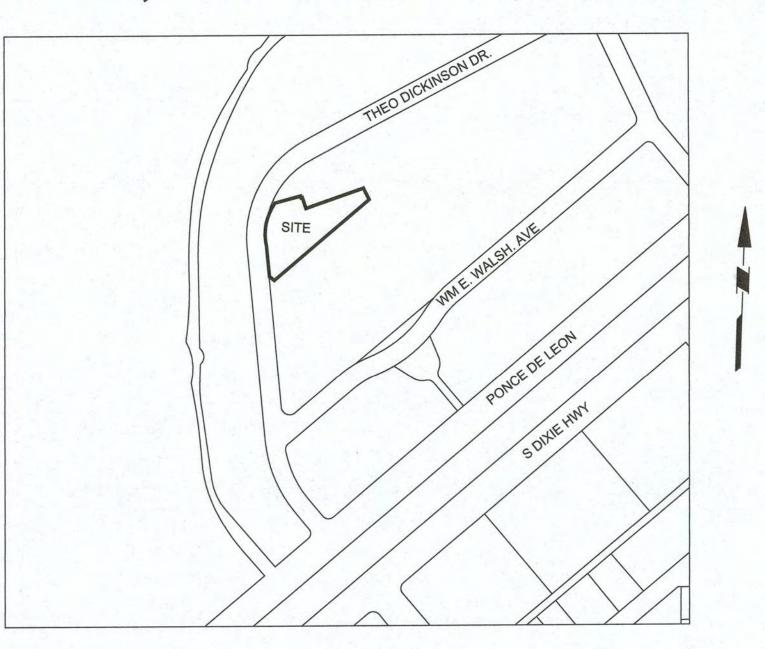
C-001

C-100

C-600

C-602

DESCRIPTION



PROJECT LOCATION MAP SCALE: 1" = 300'

FOLIO NUMBER: 03-4130-015-0070

PROJECT DESCRIPTION: PROPOSED BUILDING CONSISTS OF 12.089 SF OF SCHOOL AND 48 THEATER SEATS.

LEGAL DESCRIPTION: ALL THOSE LOTS, PIECES, TRACTS OR PARCELS OF LAND SITUATE, LYING AND BEING WITHIN THE "AMENDED PLAT PORTION OF MAIN CAMPUS OF THE UNIVERSITY OF MIAMI", ACCORDING TO THE PLAT THEREOF, AS RECORDED JUNE 30, 1948, IN PLAT BOOK 46, AT PAGE 81, OF THE PUBLIC RECORDS OF DADE COUNTY (NOW MIAMI-DADE COUNTY), FLORIDA.

TEST REQUIRED

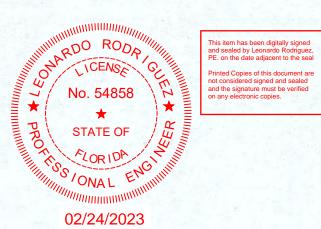
Permittee MUST notify RER-DERM before field test is performed for:

Pressure Pump Station

APPROVED BY

Miami-Dade County Department of Regulatory and Economic Resources **Environmental Resources Management Sewerage Facilities Only**

Note: This Approval is not intended to cover structural design



City of Coral Gables **Utilities Division**

T: 786.264.7200 F: 786.264.7201 www.langan.com Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan Engineering and Environmental Services, Inc.

8887 SOUTHWEST 131 STREET MIAMI, FLORIDA 33176 305.233.3304 DESIGN@MATEU.CO

ARCHITECTURE INTERIOR DESIGN PLANNING

MIAMI LAKES, FLORIDA 33016

STRUCTURAL ENGINEERING 5040 N.W. 7TH STREET, SUITE 820

TLC ENGINEERING SOLUTION, INC.

5757 BLUE LAGOON DR., SUITE 400

TLC ENGINEERING SOLUTIONS, INC ACOUSTIC/THEATER LIGHTINIG

5757 BLUE LAGOON DR., SUITE 400

UNIVERSITY OF MIAMI PROJECT C 871

UNIVERSITY

DEPARTMENT OF

THEATRE

PERMANENT

BUILDING

COLLEGE OF

ARTS AND

SCIENCES

THEO DICKINSON DR CORAL GABLES, FLORIDA

PHASE - 2

BUILDING

CONSTRUCTION

UNIVERSITY OF MIAMI

NEW THEATRE ARTS

CORAL GABLES CAMPUS

MATEU ARCHITECTURE INC.

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PROJECT NO

CHECKED BY:

ISSUE DATE:

JULY 18, 2022

COVER

OF MIAMI

ARTS

MIAMI, FLORIDA 33126

M/E/P/FP ENGINEERING

MIAMI, FLORIDA 33126

MIAMI, FLORIDA 33126

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked. Check positive response codes before you dig!

7WK5-22-08-0902

Langan CT, Inc. Langan International LLC Collectively known as Langan FL CERTIFICATE OF AUTHORIZATION No. 00006601

Date: 12/23/2022 Time: 10:24 User: metchart Style Table: Langan.stb Layout: C-001 Document Code: 300230601-0524-GI001-0802

GENERAL NOTES AND SPECIFICATIONS

(NOT PART OF M-DWASD NOTES NOR APPROVAL)

I. APPLICABLE CODES: A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF CORAL GABLES DEVELOPMENT SERVICES DEPARTMENT, CITY OF CORAL GABLES PUBLIC DEPARTMENT, MIAMI-DADE COUNTY PUBLIC MIAMI-DADE WATER AND SEWER DEPARTMENT, AND ALL OTHER APPLICABLE LOCAL, STATE AND NATIONAL CODES. B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR LATEST EDITION,

- AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS. C. ALL CONSTRUCTION MATERIALS AND LABOR ASSOCIATED WITH THIS COJECT SHALL CONFORM TO THE UNIVERSITY OF MIAMI BUILDING STANDARDS 2017 EDITION OR LATEST EDITION.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING A 'MAINTENANCE OF OPERATIONS' PLAN FOR APPROVAL BY UM'S PROJECT MANAGER AT THE CONTRACTOR'S EXPENSE. PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION OR
- E. ALL EXCAVATIONS TO COMPLY WITH THE TRENCH SAFETY ACT. F. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE DRAWINGS ARE BASED ON THE TOPOGRAPHIC SURVEYS PREPARED BY ATKINS TITLED "AREA WITHIN MAIN CAMPUS CORAL GABLES, FLORIDA" DATED
- G. ALL ELEVATIONS SHOWN ON THESE DRAWINGS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) UNLESS H. ALL EXISTING UTILITY INFORMATION REFERENCED FROM AUTOCAD FILE RECEIVED FROM NSIDE ™ ON 06/28/2018 & AS-BUILT INFORMATION

IL PRECONSTRUCTION RESPONSIBILITIES:

PROVIDED BY THE UNIVERSITY.

- A. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE IE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE A THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THA WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
- B. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A
 PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVEI GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND TH
- C. THE CONTRACTOR SHALL CONTACT "SUNSHINE ONE-CALL OF FLORIDA" BY CALLING 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO COMMENCING ANY EXCAVATION OR CONSTRUCTION IN ORDER TO
- PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES D. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO A. GENERAL:
 ARRANGE FOR RELOCATION AND TEMPORARY SUPPORT OF UTILITY
- FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK, IF E. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT. F. THE CONTRACTOR SHALL SECURE ALL UTILITY EASEMENTS (IF
- REQUIRED) TO BE SECURED PRIOR TO CONSTRUCTION. G. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES. STRUCTURES, AND OTHER FEATURES AS SHOWN ON THE DRAWINGS WERE OBTAINED FROM THE BEST INFORMATION AVAILABLE AT THE TIME PLANS WERE PREPARED BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WITHIN THE PROJECT AREA WHICH WERE INSTALLED AND CONSTRUCTED AFTER THE PREPARATION OF THESE PLANS. THE ENGINEER ASSUMES B. O RESPONSIBILITY FOR THE FACILITIES SHOWN OR FOR ANY ACILITIES NOT SHOWN. THE CONTRACTOR SHALL VERIFY, PRIOR TO
- H. IF, UPON EXCAVATION, EXISTING CONDITIONS ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

SHOWN ON THE PLANS OR NOT) AFFECTING THE WORK.

CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL

III. INSPECTION AND TESTING:

- A. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AS WELL E. AS ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. B. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD AT LEAST 48 HOURS ADVANCE NOTICE AND THE ENGINEER OF RECORD MUST BE
- PRESENT TO WITNESS, THE FOLLOWING: PRESSURE TESTING OF THE WATER DISTRIBUTION SYSTEM. 2. EXFILTRATION TEST OF THE SANITARY SEWER SYSTEM. 3. FINAL INSPECTION OF THE WATER, SEWER, PAVING, GRADING AND
- C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL G. PROVIDE A MINIMUM PROTECTIVE COVER OF 24 INCHES OVER STORM APPLICABLE REGULATORY AGENCIES FOR INSPECTION REQUIREMENTS.

A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS

IV. SHOP DRAWINGS:

SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: WATER MAIN FITTINGS, VALVES, PIPES, CATCH BASINS, STORM MANHOLES AND ALL OTHER DRAINAGE
STRUCTURES, DRAINAGE PIPES, BALLAST ROCK, EXFILTRATION TRENCH
FILTER FABRIC, AND TRAFFIC PAINT. IN ADDITION, SOME CITIES, X. PAVING: COUNTIES, STATE AND/OR NATIONAL REGULATORY AGENCIES REQUIRE
THEIR OWN INDIVIDUAL REVIEW AND APPROVAL. IT IS THE A. GENERAL:
RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY

1. ALL I SHOP DRAWING APPROVALS IF REQUIRED. V. TEMPORARY FACILITIES:

A. TEMPORARY FACILITIES:

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR ON THE DRAWINGS. ELECTRICITY, DURING CONSTRUCTION. 2. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS
- 3. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL B. MATERIALS AND INSTALLATION: PHASES OF CONSTRUCTION, IF APPLICABLE.

 1. ALL WORKS CONFORM TO THE PROPERTY OF B. TRAFFIC REGULATION: 1. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS,
- LIGHTS AND FLAGPERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC WITHIN PUBLIC RIGHT-OF-WAYS IN ACCORDANCE WITH THE M.U.T.C.D. AND MIAMI-DADE COUNTY PUBLIC WORKS ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO
- ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN 3. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT.

VL PROJECT CLOSE-OUT:

Call 811 or www.sunshine811.com two full

business days before digging to have utilities

located and marked.

Check positive response codes before you did

A. CLEANING UP: DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.

DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH XL WATER DISTRIBUTION SYSTEM: E SAME TYPE OF MATERIAL AND TO THE CONDITION WHICH A. GENERAL:

EXISTED PRIOR TO THE BEGINNING OF OPERATIONS. WHERE MATERIAL OR DEBRIS HAVE WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION. B. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED

OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR C. PROJECT RECORD DOCUMENTS:

1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.

B. MATERIALS INSTALLATION AND TESTING:

1. FOLLOW MDWASD SPECIFICATIONS FOR 2. IN ADDITION SEE MDWASD NOTES ON UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND LIMEROCK XIL SANITARY SEWER COLLECTION SYSTEM:

OR CONCRETE PAVEMENT) THE CONTRACTOR SHALL FURNISH THE A. GENERAL: ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS. AND PERTINENT GRADES L DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES THE ROAD CROWN AND EDGES OF PAVEMENT AT 25 FEET INTERVALS. UPON COMPLETION OF CONSTRUCTION, AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT

DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS. "AS-BUILT" INFORMATION ON WATER MAINS AND GRAVITY SEWERS MUST BE PROVIDED IN ACCORDANCE WITH THE MIAMI-DADE WATER AND SEWER DEPARTMENT STANDARD AS-BUILT REQUIREMENTS 5. ALL "AS-BUILT" INFORMATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR.

VIL EARTHWORK AND COMPACTION:

A. EARTHWORK AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION C3, "REQUIREMENTS FOR FILLING LAND IN UNINCORPORATED DADE COUNTY", OF THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL AND THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS

VIIL STORM DRAINAGE:

1. CATCH BASIN GRATES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES. DISTANCES AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES. 3. ALL STORM DRAINAGE MATERIALS AND INSTALLATION SHALL WORKS DEPARTMENT STANDARD DETAILS AND MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS INCLUDING, BUT NOT

EXCAVATION, TRENCHING AND BACKFILLING FOR

ALL EXFILTRATION TRENCH SHALL BE AS PER STANDARD DETAIL SD 1.1 OF THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, AND IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN THE CITY OF CORAL GABLES PUBLIC WORKS DEPARTMENT STANDARD DETAILS, DETAILS 1-EXISTING FACILITIES, STRUCTURES AND OTHER FEATURES (WHETHER AND 1-2A, "FRENCH DRAINS." EXFILTRATION TRENCH SHALL BE INSTALLED AT THE WIDTH DEPTH AND ELEVATION SHOWN ON THE APPROVED CROSS SECTION DEPICTED ON THE PLANS. ANY CONFLICT WITH EXISTING OR PROPOSE

UTILITIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY IMPERMEABLE MATERIAL ENCOUNTERED IN THE XCAVATION FOR THE EXFILTRATION TRENCH SHALL BE REMOVED AS ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AS MANUFACTURED BY U.S. PRECAST CORPORATION OR

THE TRENCH FILTER FABRIC SHALL BE SELECTED FROM THE LIST OF MANUFACTURERS AND FABRIC TYPES APPROVED BY THE MIAMI DADE COUNTY PUBLIC WORKS DEPARTMENT AND UNIVERSITY OF MIAMI. IT SHALL BE USED TO WRAP ALL SIDES AND TOP OF THE EXFILTRATION TRENCH. THE TOP SECTION OF THE MATERIAL SHALL BE LAPPED A MINIMUM OF 12 INCHES AND THE CONTRACTOR SHALL TAKE EXTREME CARE IN BACKFILLING TO AVOID BUNCHING OF THE FABRIC.

F. PERFORATED PIPE SHALL TERMINATE 4'-0" FROM THE DRAINAGE STRUCTURE. THE REMAINING 4'-0" SHALL BE NON-PERFORATED SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.

THE CONTRACTOR SHALL PROTECT EXISTING AND COMPLETED DRAINAGE STRUCTURES AND EXFILTRATION SYSTEM FROM CONTAMINATION OF SILT AND CONSTRUCTION DEBRIS. PLACE PLYWOOD ON OR FILTER FABRIC BETWEEN THE FRAME AND INLET GRATE UNTIL CONSTRUCTION OPERATIONS ARE FINISHED. (SEE STORMWATER POLLUTION PREVENTION

CONSTRUCTION OF LIMEROCK BASE.

. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO

- 2. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE. 3. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND 4. WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE ENTRANCE TO COMMERCIAL PROPERTIES AT ALL TIMES, IF 5. PAVEMENT REPAIRS SHALL BE AS PER STANDARD DETAIL R 21.1 OF THE MIAMI— DADE COUNTY PUBLIC WORKS MANUAL.
 - ALL WORKS CONFORM TO THE APPLICABLE CITY OF CORAL GABLES PUBLIC WORKS DEPARTMENT STANDARD DETAILS AND MIAMI-DAD COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

CLEARING AND GRUBBING EXCAVATION AND EMBANKMENT RESTORATION OF TRENCHES LIMEROCK BASE PRIME AND TACK COATS TYPE S-1 ASPHALTIC CONCRETE SURFACE COURSE SIDEWALK CURB AND GUTTER CONSTRUCTION

STREET NAME SIGNS SHALL BE ERECTED IN ACCORDANCE WITH CITY OF CORAL GABLES PUBLIC WORKS DEPARTMENT REQUIREMENTS AND SPECIFICATIONS.

3. SUBGRADE FOR ROADWAY SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY (AASHTO T-180-74), LBR 40. 4. BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM

THICKNESS OF 8" PLACED ON A SINGLE LAYER FOR STREETS. 5. BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180-74, LBR 100.

2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS X. TESTING

GENERAL SITE NOTES: (NOT PART OF M-DWASD NOTES NOR APPROVAL)

. THESE PLANS REPRESENT THE OVERALL SITE WORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, A SPECIFIC INSTRUCTIONS REQUIRED FOR SITE WORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.

2. ALL EXISTING UTILITY INFORMATION REFERENCED FROM AUTOCAD FILE RECEIVED FROM NSIDE™ ON 6/28/2018, AS-BUILT INFORMATION PROVIDED BY THE UNIVERSITY & SUE DESIGNATIONS PREPARED BY LONGITUDE SURVEYORS DATED 08/14/2019. S. EXISTING TOPOGRAPHIC AND CADASTRAL INFORMATION SHOWN ON THESE DRAWINGS ARE BASED ON THE TOPOGRAPHIC SURVEY PREPARED BY ATKINS RECEIVED ON 03/18/21.

4. EXISTING BOUNDARY INFORMATION REFERENCED FROM BOUNDARY SURVEY PREPARED BY ATKINS DATED 1/21/19. 5. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. (N.G.V.D), UNLESS OTHERWISE NOTED.

6. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER

7. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INTERPRETATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITE WORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE WORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.

8. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.

9. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

10.CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DRAINAGE AND UTILITY STRUCTURES AND MANUFACTURED PRODUCTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION. 11. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC MEASURES (INCLUDING DESIGN AND PERMITTING) AS REQUIRED BY THE LOCAL, COUNTY, OR STATE AGENCY HAVING JURISDICTION.

12. THE CONTRACTOR IS REQUIRED TO KEEP DETAILED RECORDS OF THE CONSTRUCTION COMPLETED. SPECIFICALLY, ALL UNDERGROUND STRUCTURES, DRAINAGE, WATER, SANITARY, GAS, ELECTRIC, COMMUNICATIONS PIPING, CONDUIT OR APPURTENANCES AND ACCESSORIES AND ALL ABOVE GROUND FEATURES INCLUDING, BUT NOT LIMITED TO, FIRE HYDRANTS, APPURIENANCES AND ACCESSORIES AND ALL ABOVE GROUND FEATURES INCLUDING, BUT NOT LIMITED TO, FIRE HYDRANTS, WATER VALVES, DRAINAGE AND SEWER CLEANOUTS, LIGHT POLES AND SIGNS SHALL BE RECORDED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE THAT THE WORK IS PERFORMED. ELEVATIONS OF TOP OF WATER PIPING SHALL BE RECORDED AT ALL BENDS, TEES, AND AT ALL STORM DRAINAGE AND SANITARY SEWER CROSSINGS. SANITARY SEWER TOP OR BOTTOM OF PIPE ELEVATIONS SHALL BE RECORDED AT ALL CROSSINGS WITH WATER AND STORM DRAINAGE PIPING, FINISHED GRADE ELEVATIONS AT ALL WATER VALVES, FIRE HYDRANTS, SANITARY MANHOLES, DRAINAGE STRUCTURES AND CLEANOUT LOCATIONS WILL BE RECORDED. CURB AND PAVEMENT FINISHED GRADE ELEVATIONS AT ALL HIGH AN LOW POINTS, ALONG SWALES, CENTERLINES OF ROADS OR DRIVE AISLES, AND IN PARKING AREAS, SHALL BE RECORDED. AS—BUILT SURVEYS OF THESE ITEMS SHALL BE PROMORD TO THE FUGINEER OF RECORDS WITHIN 30 DAYS OF CONSTRUCTION COMPLETION AND REPORT THESE ITEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD WITHIN 30 DAYS OF CONSTRUCTION COMPLETION AND PRIOR TO FINAL PAYMENT BY THE OWNER. THE ENGINEER OF RECORD RESERVES THE RIGHT TO REVIEW THE AS-BUILT SURVEYS AND REQUIRE THE COMPLETED WORK CORRECTED, WHERE DEFICIENCIES WITH RESPECT TO THE CONSTRUCTION DRAWINGS AND THE LOCAL, COUNTY AND STATE STANDARDS ARE NOT ADHERED TO BY THE CONTRACTORS WORK

13.CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO

REGULATORY AND ECONOMIC RESOURCES **RER NOTES ON WATER-SEWER INSTALLATION** (NOT PART OF M-DWASD NOTES NOR APPROVAL)

1. A HORIZONTAL DISTANCE OF AT LEAST 6 FEET, AND PREFERABLY 10 FEET (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE SEWER PIPES AND WATER PIPES. THE MINIMUM HORIZONTAL SEPARATION CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS OR OR GRAVITY SEWERS WHERE THE BOTTOM OF THE SEWERS OF LEAST 6 INCHES BELOW THE BOTTOM OF THE WATER PIPE. WHEN THE ABOVE SPECIFIED HORIZONTAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS a.THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI. b. THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE. THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER PIPE. OF THE WATER PIPE.

2. A VERTICAL DISTANCE OF AT LEAST 12 INCHES (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN ANY WATER AND SEWER MAINS WITH SEWER PIPES PREFERABLY CROSSING UNDER WATER MAINS. THE MINIMUM VERTICAL SEPARATION CAN BE REDUCED TO 6 INCHES FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS WHERE THE SEWER PIPE IS BELOW THE WATER MAIN. THE CROSSING SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FORMAL JOINTS IN GRAVITY AND PRESSURE SEWER PIPES. THE DISTANCE CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS. WHEN THE ABOVE SPECIFIED VERTICAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF:

G.THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI. WATER PIPE AND PRESSURE TESTED AT 150 PSI.

b. THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE. 3. AIR RELEASE VALVES SHALL BE PROVIDED AT HIGH POINTS OF NEW FORCE MAIN SANITARY SEWERS. 4. GRAVITY SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE C-900 PVC OR DUCTILE IRON PIPE. THE MAXIMUM ALLOWABLE EXFILTRATION RATE OF GRAVITY SANITARY SEWERS CONSTRUCTED IN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE: a.RESIDENTIAL LAND USES. FIFTY (50) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEXT HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE. b.NON-RESIDENTIAL LAND USES. TWENTY (20) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE HE CROWN OF THE PIPE C. ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THE MAXIMUM ALLOWABLE EXFILTRATION RATE OF GRAVITY SANITARY SEWERS CONSTRUCTED OUTSIDE A PUBLIC WELLFIELD PROTECTION AREA SHALL BE ONE HUNDRED (100) GALLONS PER INCH PIPE DIAMETER PER

MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEST HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE. ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS S SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THE ALLOWED.

6. FORCE MAIN SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE DUCTILE IRON, C-900 PVC, HDPE OR REINFORCED CONCRETE PRESSURE SEWER PIPES. . THE MAXIMUM ALLOWABLE EXFILTRATION/LEAKAGE RATE OF FORCE MAIN a.DUCTILE IRON, C-900 PVC, HDPE, AND PVC PIPE. THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AMERICAN WATER WORKS ASSOCIATION STANDARD (AWWAS) C600-82 AT A TEST PRESSURE OF 100 PSI FOR A DURATION OF NOT LESS THAN TWO (2) HOURS. b.FOR REINFORCED CONCRETE PRESSURE PIPE. HALF

ALLOWABLE LEAKAGE RATE SPECIFIED IN AWWA C600-82 AT A TEST PRESSURE OF 100 PSI FOR A DURATION OF NOT LESS THAN TWO (2) c. ANY OBSERVED LEAKS OR ANY OBVIOUS DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THAT 8. THE CONTRACTOR SHALL VERIFY NATURE, DEPTH, AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.

9. IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUITS, CABLES, ETC. IN THE SAME TRENCH ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY CROSS.

10. IF ANY AREA OF THE WORK SITE IS FOUND TO CONTAIN BURIED SOLID WASTE AND/OR GROUND OR GROUND WATER CONTAMINATION, THE FOLLOWING SHALL APPLY:

G.ALL WORK IN THE AREA SHALL FOLLOW ALL APPLICABLE SAFETY REQUIREMENTS (E.G., OSHA, ETC.) AND NOTIFICATION MUST BE PROVIDED TO THE APPROPRIATE AGENCIES. b. IMMEDIATELY NOTIFY THE ENVIRONMENTAL MONITORING AND RESTORATION DIVISION (EMRD). THE EMRD CAN BE CONTACTED AT (305) 372-6700. S.IF CONTAMINATED SOILS AND/OR BURIED SOLID WASTE MATERIAL IS EXCAVATED DURING CONSTRUCTION, THEN THEY REQUIRE PROPER HANDLING AND DISPOSAL IN ACCORDANCE WITH THE LOCAL, STATE AND FEDERAL REGULATIONS. BE ADVISED THAT THE LANDFILL OWNER/OPERATOR IS THE FINAL AUTHORITY ON DISPOSAL AND MAY HAVE REQUIREMENTS BEYOND THOSE PROVIDED BY HEREIN. IF DISPOSAL WITHIN A MIAMI-DADE COUNTY OWNED LANDFILL (CLASS LANDFILL) IS APPROPRIATE AND SELECTED, PLEASE CONTACT THE MIAMI-DADE COUNTY DEPARTMENT OF SOLID WASTE MANAGEMENT A (305) 594-6666 FOR INFORMATION.

d. THE REUSE OF CONTAMINATED SOILS THAT ARE NOT RETURNED TO THE ORIGINAL EXCAVATION REQUIRES PRIOR APPROVAL OF A SC MANAGEMENT PLAN FROM THE ENVIRONMENTAL MONITORING A RESTORATION DIVISION. THE EMRD CAN BE CONTACTED AT (305) 11. PUMPS MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC)
REQUIREMENTS FOR CLASS I, GROUP D, DIVISION 1 LOCATIONS (EXPLOSION PROOF) 12. THE CONTRACTOR IS ADVISED THAT A TREE REMOVAL/RELOCATION PERMIT MAY BE REQUIRED PRIOR TO THE REMOVAL AND/OR RELOCATION OF TREE RESOURCES. PRIOR TO REMOVING OR RELOCATING ANY TREES, THE CONTRACTOR SHALL NOTIFY THE TREE AND FOREST RESOURCES SECTION F DERM AT (305) 372-6574 OR VIA E-MAIL AT: TRS@MIAMIDADE.GOV R CONTACT THE MUNICIPALITY WITH TREE ORDINANCE JURISDICTION T OBTAIN ANY REQUIRED PERMITS. THOSE TREES NOT INTERFERING WITH THE CONSTRUCTION SHALL BE PROTECTED IN PLACE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 24-49.5 OF THE MIAMI-DADE CODE. 13. PLEASE NOTE THAT THE DEMOLITION, REMOVAL, AND/OR DISTURBANCE OF EXISTING UNDERGROUND UTILITIES THAT CONTAIN ASBESTOS CEMENT PIPES (ACP) ARE SUBJECT TO THE PROVISIONS OF 40 CFR-61 SUBPART M. THEREFORE, PURSUANT TO THE PROVISIONS OF 40 CFR-61-145, A NOTICE OF DEMOLITION OR ASBESTOS RENOVATION FORM MUST BE FILED WITH THE AIR QUALITY MANAGEMENT DIVISION (AQMD) OF DERM, AT LEAST TEN (10) WORKING DAYS PRIOR TO STARTING OF ANY WORK. NOTE THAT THE BACKFILLING AND BURIAL OF CRUSHED ACP WOULD CAUSE THESE LOCATIONS TO BE CONSIDERED ACTIVE DISPOSAL SITES AND SUBJECT TO 40 CFR-61.154, AND 40 CFR-61.151 A YEAR AFTER PROJECT COMPLETION. EXISTING STANDARD OPERATING PROCEDURES, AS WELL AS ADDITIONAL STANDARD OPERATING PROCEDURES, AS WELL AS APPLICABLE FEDERAL, STATE AND LOCAL REGULATORY CRITERIA, MUST BE FOLLOWED AND IMPLEMENTED TO MINIMIZE ANY POTENTIAL RELEASE OF FUGITIVE EMISSIONS, ESPECIALLY DURING PROJECT CONSTRUCTION ACTIVITIES. THE AQMD CAN BE CONTACTED VIA EMAIL AT ASBESTOS@MIAMIDADE.GOV OR 305-372-6925.

REV. 4/30/2018

HEALTH DEPARTMENT

DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY, CERTIFIED BY THE STATE OF FLORIDA. RESULTS OF

DENSITY TESTS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA AND PROVIDED TO THE

ALL MATERIALS, INSTALLATION AND TESTING UNDER THIS PROJECT

SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF

THE MIAMI-DADE WATER AND SEWER DEPARTMENT AND SHALL

ANY EXISTING PUBLIC WATER SERVICE WITHIN THE PROPERTY IN

CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED

AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED AS

ALL PROP WATER & FORCE MAINS AND FITTINGS TO BE

. ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN

STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF

CORAL GABLES PUBLIC WORKS DEPARTMENTDEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT.

. MANHOLE RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE

DISTANCES AND LENGTHS SHOWN ON PLANS AND PROFILE

DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES.

ANY EXISTING PUBLIC SEWER SERVICE WITHIN THE PROPERTY

ALL PROPOSED SANITARY SEWER FORCE MAINS AND FITTINGS

6. ANY EXISTING PUBLIC SEWER SERVICE WITHIN THE PROPERTY IN

CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED

AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED AS

ALL SEWER LATERALS MUST COMPLY WITH CITY OF CORAL GABLES

. FOR ALL CONNECTIONS TO VCP, THE CONTRACTOR SHALL TELEVISE

FOLLOW MIAMI-DADE WATER AND SEWER DEPARTMENT SPECIFICATIONS FOR GRAVITY SANITARY SEWER SYSTEMS AND

FORCE MAINS (AS APPLICABLE), AND CITY OF CORAL GABLES

BE RESTRAINED PER MIAMI-DADE WATER AND SEWER

CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED

AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED AS

ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES.

DEPARTMENT STANDARD DETAIL GS 2.0.

PUBLIC WORKS DEPARTMENT STANDARD DETAILS.

THE VCP PIPE BEFORE AND AFTER INSTALLATION.

PUBLIC WORKS DEPARTMENT REQUIREMENTS.

B. MATERIALS, INSTALLATION AND TESTING:

CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE

ENGINEER OF RECORD FOR REVIEW.

AND ON FILE WITH THE DEPARTMENT.

1. FOLLOW MDWASD SPECIFICATIONS FOR WATER MAINS

2. IN ADDITION SEE MDWASD NOTES ON THIS SHEET.

RESTRAINED PER GS 2.0.

(NOT PART OF M-DWASD NOTES NOR APPROVAL)

WATER MAIN HORIZONTAL SEPARATIONS

ETWEEN WATER MAINS AND, STORM SEWERS, STORMWATER, FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3 FT MINIMUM.
SEPARATIONS BETWEEN WATER MAINS AND VACUUM TYPE SEWER SHALL BE PREFERABLY 10 FT AND AT LEAST 3 FT MINIMUM. SEPARATIONS BETWEEN WATER MAINS AND GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER SHALL BE PREFERABLY 10 FT AND AT LEAST 6 FT. MAY BE REDUCED TO 3 FT WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER

SEPARATIONS BETWEEN WATER MAINS AND ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM SHALL BE 10 FT MINIMUM. **WATER MAIN VERTICAL SEPARATIONS**

SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER, OR STORM SEWERS TO BE PREFERABLY 12 INCHES, OR AT LEAST 6 INCHES IF ABOVE OR AT LEAST 12 INCHES IF BELOW.*

SEPARATIONS BETWEEN WATER MAINS AND PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR RECLAIMED WATER, SHALL BE AT LEAST 12 INCHES ABOVE OR BELOW.

*NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR PECLAIMED WATER

M-DWASD WATER NOTES

WATER DISTRIBUTION SYSTEM:

1. ANY EXISTING PUBLIC WATER SERVICE WITHIN THE PROPERTY IN CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED AS APPLICABLE.

2. ALL EXISTING MAINS BEING IMPACTED BY THIS PROJECT AND ALL PROPOSED WATER AND SEWER FORCE MAINS AND FITTINGS TO BE RESTRAINED PER GS 2.0.

3. ALL DIP PIPING SHALL BE ZINC COATED AND POLYETHYLENE ENCASED PER A 9.0

4. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NATIONAL GEODETICAL VERTICAL DATUM OF 1929, (N.G.V.D), UNLESS OTHERWISE NOTED. FOR ALL PROJECTS WHERE REMOVAL OF UTILITY LINES IS PROPOSED

ALL EXISTING UTILITIES BEING REMOVED AND/OR RELOCATED MUST REMAIN ACTIVE AND IN SERVICE, UNTIL SUCH TIME WHEN NEW REPLACING UTILITIES HAVE BEEN INSTALLED, IN SERVICE, ACCEPTED BY THE DEPARTMENT AND ALL RELATED SERVICES FROM THE EXISTING MAINS HAVE BEEN TRANSFERRED TO THE NEW ONES, BY A LICENSED CONTRACTOR UNDER THE SUPERVISION OF WASD LICENSED OPERATOR AND WASD DONATIONS INSPECTOR UNDER THE SCOPE

2. ALL WATER AND/OR SEWER FACILITIES LOCATED IN PRIVATE PROPERTY SHALL BE REMOVED AFTER ALL INSTALLED SERVICES FROM THEM HAVE BEEN TRANSFERRED TO THE ALREADY INSTALLED AND IN SERVICE NEW MAINS. ANY ASSOCIATED EXCLUSIVE EASEMENTS SHALL BE CLOSED AND RELEASED AFTER THE REMOVAL OF THE EXISTING WATER AND/OR SEWER FACILITIES.

THE FOLLOWING ACTIVITIES ON EXISTING WATER SERVICES AND/OR EXISTING WATER MAINS SUCH AS: -WATER MAIN OFFSETS

-INTERCONNECTIONS -SERVICE INSTALLATIONS / RETIREMENTS / SERVICE TRANSFERS -HYDRANT INSTALLATIONS / RETIREMENTS / RELOCATIONS

AND JURISDICTION OF THE CONTRACTOR'S RIGHT-OF-WAY PERMIT.

-ANY WORK THAT MAY AFFECT THE QUANTITY AND/OR QUALITY OF WASD'S WATER, TRANSMISSION AND DISTRIBUTION SYSTEM SHALL BE PERFORMED BY A LICENSED CONTRACTOR UNDER THE SUPERVISION OF WASD LICENSED OPERATOR AND WASD DONATIONS INSPECTOR UNDER THE SCOPE AND JURISDICTION OF THE CONTRACTOR'S RIGHT-OF-WAY PERMIT. PRIOR TO ANY WORK BEING DONE, THE LICENSED CONTRACTOR SHALL COORDINATE WITH WASD DONATION INSPECTOR FOR THE SCHEDULING OF LICENSED OPERATOR TO BE PRESENT FOR PROPOSED ACTIVITY.

ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE WATER AND SEWER DEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT, SUBJECT SHOP DRAWINGS FOR ALL MATERIALS.

- 2. COVER OVER WATER OF SEWER FORCE MAINS SHALL BE 6'-0" MIN. 3. ALL MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 10" RISER PIPES AND NO. 3 OR 53 VALVE BOXES FIRE HYDRANTS AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES.
- 1. ALL FORCE MAIN SERVICE CONNECTIONS INTO PRESSURE TRANSMISSION MAINS SHALL HAVE A SHUT OFF VALVE AND CHECK VALVE AT THE POINT OF ENTRY. 5. ALL GRAVITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEPARTMENT STANDARDS.
- 8. ALL WATER WETERS WILL BE INSTALLED BY THE WAVI-DADE WATER AND SEWER DEPARTMENT, PROVIDING THE APPROPRIATE CHARGES HAVE BEEN PREPAID FIRE HYDRANT REQUIREMENTS (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY MIAMI-DADE COUNTY FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH DEPARTMENT STANDARDS.
- CONTRACTOR MUST CALL MOWASD INSPECTION DIVISION TO ARRANGE FOR A PRECONSTRUCTION MEETING 2 FULL BUSINESS DAYS PRIOR TO PROPOSED START OF CONSTRUCTION. CONTACT ONE CALL CENTER 48 HRS PRIOR TO CONTRACT INSPECTOR WILL INSPECT ANY FACILITIES APPROVED BY THE DEPARTMENT, ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARDS AND REQUIREMENTS.
- 10. WORK PERFORMED UNCER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE SYSTEM BY THE DEPARTMENT AND UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED AND APPROVED BY THE
- EASEMENTS, IF REQUIRED CONTRACTOR'S WANTER AND RELEASE OF LIEN ABSOLUTE BILL OF SALE

UNDER THE SUPERVISION OF THE INSPECTOR.

- L CONTRACTOR'S LETTER OF WARRANTY (I.E., LETER AGREEMENT) DEVELOPER'S CONTRACT BOND (I.E., CONTRACT AGREEMENT)
- "RECORD DRAWING" PRINTS (24"x 36") SHOWING SPECIFIC LOCATIONS, DEFTH, ETC. OF ALL WATER AND SEWER FACILITIES AS LOCATED BY A LICENSED SURVEYOR & MAPPER, ALONG WITH PRINTS OF "RECORD DRAWINGS" WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED SURVEYOR & MAPPER (No. OF PRINTS: 3-FOR WATER, 4-FOR GRAVITY SEWER AND 5-FOR FORCE MAIN OR PUMP STATION PROJECTS). Submitted of final CAD Files required. H.R.S. LETTER OF RELEASE REQUIRED FOR ALL WATER PROJECTS
- 9. BILL OF SALE SKETCH (86% 11") FOR WATER AND SEWER SEPARATELY

TAPPING VALVE ARE FURNISHED AND INSTALLED BY THE CONTRACTOR

- 11. ALL NEW CONNECTIONS FROM EXISTING DEPARTMENT MAINS TO BE MADE BY DEPARTMENT FORCES ONLY. THE CONTRACTOR TO EXCAVATE AT REQUIRED LOCATIONS, PROVIDE AND INSTALL MATERIAL WITH EITHINGS, FRICK TO TAIL 12. AN APPROVED PAVING AND DRAINAGE PLAN MUST BE SUBMITTED TO NOWASD FOR ALL NEW SUBDIVISIONS PRIOR TO
- APPROVAL OF WATER AND SEWER PERMIT PLANS, UPON REQUE 13. UNLESS OTHERWISE SPECIFIED, ALL TAPS 20 INCHES AND SMALLER FOR CONNECTIONS TO EXISTING MAINS WILL BE DONE BY DEPARTMENT FORCES. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE PERMITTED TO TAP EXISTING MAINS IN THE SIZE RANCE SPECIFIED ABOVE. THE TAPPING SLEEVE AND

ITEM STANDARD DETAIL STANDARD REQUIREMENTS WATER AND SEWER CONSTRUCTION SIEET 1 of 2

SURVEYOR AND MAPPER (CITY, OF PRINTS AS REQUIRED BY THE DEPARTMENT). 2. "RECORD DRAWING" FORMAT: & THE WORDS "RECORD DRAWING" IN LARGE LETTERS e. TITLE BLOCK WITH DEPARTMENT DS, DW OR ER NUMBER AND PERTINENT INFORMATION 1. PREFERRED SCALE TO BE 1"= 40" HORIZONTALLY AND 1"= 4" VERTICALLY* g. STREET NOMENCLATURE h. SEPARATE RECORD DRAWINGS FOR WATER AND SEWER I. SEPARATE WATER AND SEWER PROFILE

3. WATER "RECORD DRAWINGS" MUST INCLUDE:

AT THE COMPLETION OF ANY WATER AND SEWER JOB EITHER DONATION OR CONTRACT, THE CONTRACTOR SHALL o. RECORD DRAWING PRINTS WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL c. CADD FILE (DWG OR DXF) ROTATED AND TRANSLATED TO STATE PLANE COORDINATES NAD 83 FLORIDA EAST STATIONING STARTING WITH 0+00 AT PERMANENT REFERENCE POINT (LE. §, §, ETC.) OR AS SHOWN ON DESIGN PERMIT PLANS, AND TO RUN CONTINUOUSLY TO END OF MAIN k EASEMENTS, IF ANY, TIED TO PERMANENT REFERENCE POINT I IDENTIFY ALL CONTROL LINES (I.E. BLDG. LINE, PROPERTY LINE, R/W, ETC.) IN ALL "PROPOSED" INFORMATION TO BE REMOVED FROM PRINTS, LEAVING ONLY RECORD DRAWING INFORMATION REFLECTED IN DRAWINGS O. PLANS SHOWING PIPE SIZE, MATERIAL AND OFFSET OF MAIN, DEFLECTIONS (IF ANY), STATION OF SERVICES, HYDRANTS, WALVES, FITTINGS, IF ANY, ALL IN STATE PLANE COORDINATES. UTILITY CROSSINGS SHALL BE CLEARLY IDENTIFIED AND LOCATED b. PROFILE SHOWING TOP OF GROUND AND TOP OF PIPE ELEVATIONS AT EVERY 100' STATION AND AT ANY CHANGE IN GRADE (WITH CORRESPONDING STATION), PIPE SIZE AND PIPE MATERIALS REFERENCED TO PLAN. 4. SEWER "RECORD DRAWINGS" MUST INCLUDE: 0. PLAN SHOWING MANHOLE NUMBER, PIPE SIZE AND PIPE MATERIAL OF PIPE, DEFLECTION, SLOPE OF GRAVITY SEWER, LOCATION OF LATERALS WITH REFERENCE TO MANHOLE AND CLEANOUTS. 6. THE NORTHERLY AND EASTERLY COORDINATES ON ALL FIELD OBTAINED MEASUREMENTS AND PROVIDED ON ALL RECORD DRAWING SUBMITTALS C. PROFILE SHOWING MANHOLE NUMBER (AS PER PLAN), RIM AND INVERT ELEVATIONS (IF MORE THAN ONE INVERT, LABEL NORTH, SOUTH, ETC.), AND STATION STARTING AT 0:00 AT DOWNSTREAU MANHOLE. 5. FORCE MAIN "RECORD DRAWING" SAME AS WATER MAIN. 6. EACH RECORD DRAWING SHALL SHOW THE FLORIDA STATE PLANE COORDINATES (CURRENT READJUSTMENT) OF ALL THE MANHOLES AND VALVES AND OF AT LEAST TWO HORIZONTAL CONTROL POINTS PROPERLY IDENTIFIED AND FOTHER SCALE MAY BE PERMITTED, BUT MUST BE APPROVED BY THE DEPARTMENT PRIOR TO PREPARATION OF DRAWINGS. TTEM STANDARD DETAIL GS "RECORD DRAWING" REQUIREMENTS SHEET 2 OF

> STATE OF (ORIDA 02/24/2023

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DOUGLAS WOOD STRUCTURAL ENGINEERING 5040 N.W. 7TH STREET, SUITE 820 MIAMI, FLORIDA 33126

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UNIVERSITY OF MIAMI

TLC ENGINEERING SOLUTIONS, INC.



DEPARTMENT OF **PERMANENT**

COLLEGE OF ARTS AND SCIENCES THEO DICKINSON DR

CORAL GABLES, FLORIDA

PHASE - 2 CONSTRUCTION

UNIVERSITY OF MIAMI NEW THEATRE ARTS BUILDING CORAL GABLES CAMPUS

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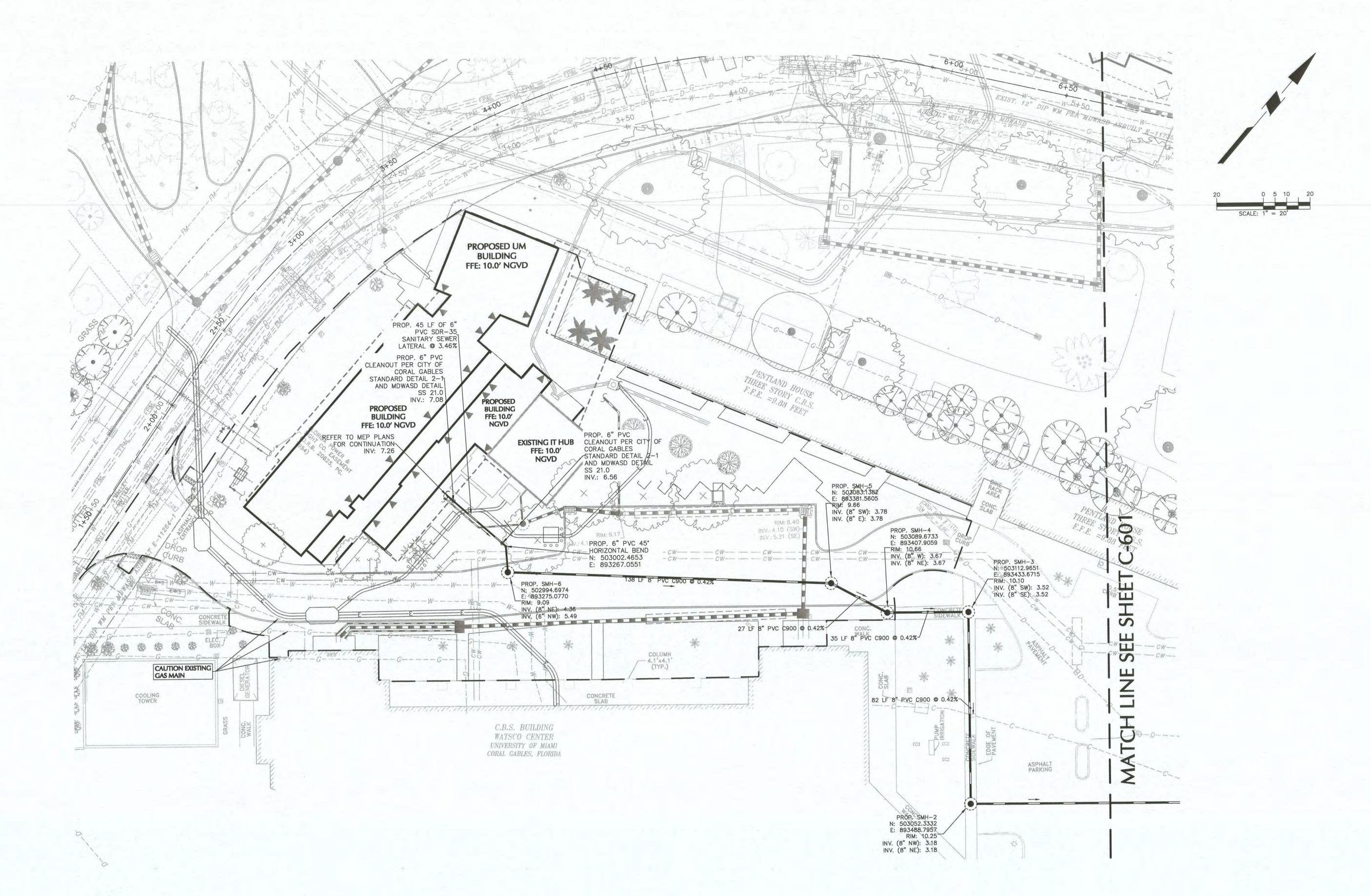
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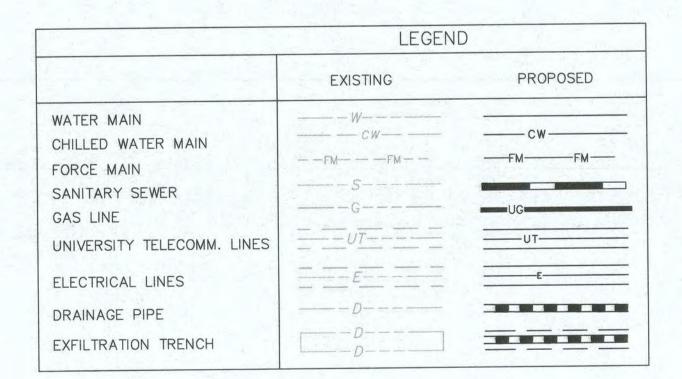
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REVISIONS

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GENERAL NOTES

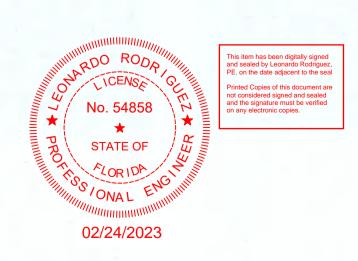




NOTES:

1.ALL 8" GRAVITY SEWER MAINS SHALL BE PVC 900 UNLESS OTHERWISE NOTED. ALL 6" GRAVITY SEWER LATERALS SHALL BE SDR 35. 2. SANITARY SEWER MANHOLE COVERS SHALL BE U.S. FOUNDRY (USF) TYPE 285 RING AND EX COVER OR APPROVED EQUAL. 3.ALL SANITARY SEWER CLEAN OUTS SHALL HAVE CONCRETE COLLAR PER MDWASD DETAILS 21.0 CLEAN OUTS SHALL BE USF 7605 RING AND HEXAGON FB COVER OR APPROVED EQUAL.

PROJECT BOUNDARY ----





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LEONARDO RODRIGUEZ PROFESSIONAL ENGINEER FL LIC. NO. 54858

DOUGLAS WOOD STRUCTURAL ENGINEERING 5040 N.W. 7TH STREET, SUITE 820 MIAMI, FLORIDA 33126

MIAMI, FLORIDA 33126

TLC ENGINEERING SOLUTION, INC. M/E/P/FP ENGINEERING 5757 BLUE LAGOON DR., SUITE 400

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UNIVERSITY OF MIAMI PROJECT C 871



OF MIAMI

DEPARTMENT OF THEATRE ARTS PERMANENT BUILDING

COLLEGE OF ARTS AND SCIENCES THEO DICKINSON DR CORAL GABLES, FLORIDA

PHASE - 2

UNIVERSITY OF MIAMI NEW THEATRE ARTS BUILDING CORAL GABLES CAMPUS

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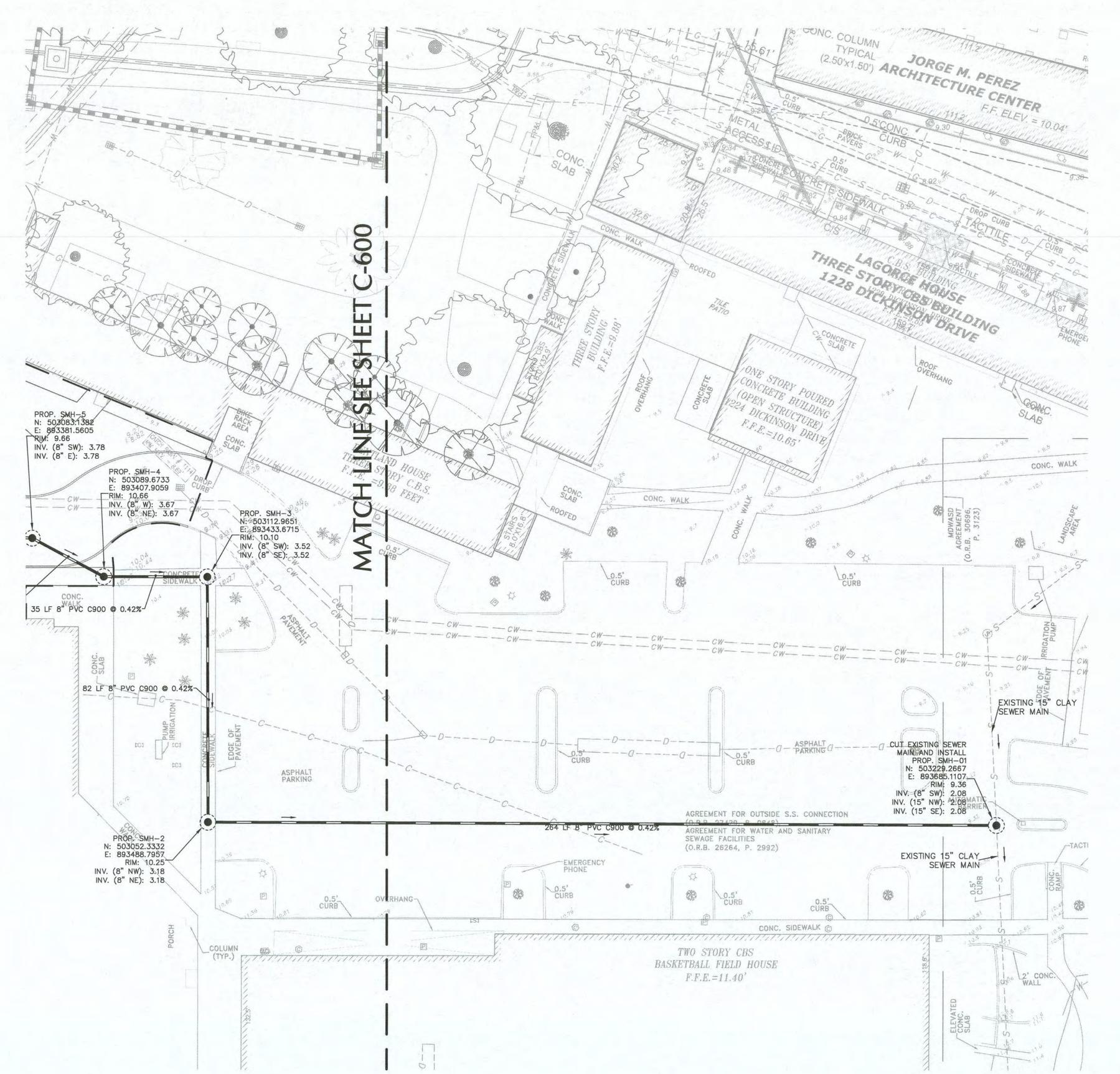
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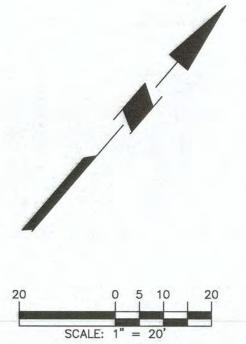
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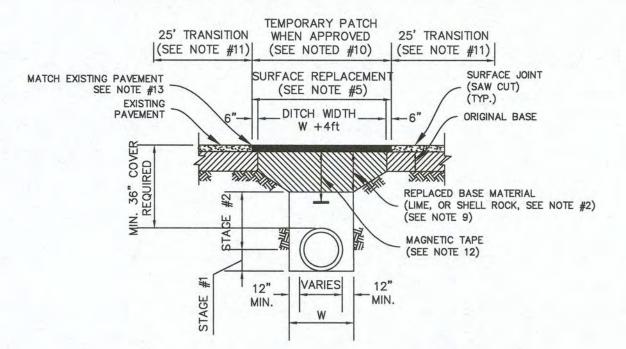
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PROJECT BOUNDARY — — —

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OPEN CUT DETAIL PAVEMENT RESTORATION AND BACKFILL SPECIFICATIONS



CONSTRUCTION PROCEDURES:
THE BACKFILL FOR THE FIRST AND SECOND STAGES SHALL BE PLACED IN 6" LAYERS (COMPACTED

7. ALL ROADWAY REPAIR WORK IN THE R/W SHALL BE PERFORMED IN CONFORMANCE WITH THICKNESS) AND SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY

STAGE 1: THE CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE HAUNCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTION APPLIES TO THE 9. WHEN UNDER LANDSCAPE AREAS STAGE 2 MATERIAL SHALL BE PLACED TO 4" BELOW GRADE MATERIAL PLACED BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.

STAGE 2:
THE CONTRACTOR SHALL OBTAIN A WELL COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE TOP OF SUB-GRADE MATERIAL.

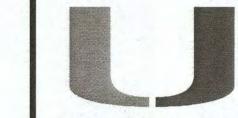
- 1. BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3.8" - " SIZING WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
- 2. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE AND MATCH THE TYPE OF MATERIAL OF THE ORIGINAL BASE OR 12" MINIMUM, WHICHEVER
- 3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND BUTT-JOINTED. 4. BASE MATERIAL SHALL BE PLACED IN TWO OF THREE LAYERS (6" MAX. PER LAYER) AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY (MINIMUM 98% AASHTO
- 5. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE OF 1-1/2" SP 12.5
- STRUCTURAL COURSE (TRAFFIC LEVEL A) ASPHALTIC CONCRETE.

6. PIPE SHALL BE PLACED IN A DRY TRENCH.

- APPLICABLE CITY OF CORAL GABLES STANDARD SPECIFICATIONS.
- 8. DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 400 FT MAXIMUM (1 SET MINIMUM). RESULTS SHALL BE SUBMITTED TO EOR.
- WITH 4" OF TOPSOIL OR AS SPECIFIED BY LANDSCAPE ARCHITECT.

OTHERS) MAY BE APPROVED BY THE UNIVERSITY.

- 10. IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN CUT, A SMOOTH TEMPORARY PATCH (MINIMUM 1.5" SP Q2.5 STRUCTURAL COURSE ASPHALT) SHALL BE INSTALLED PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY. THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. ALTERNATIVE TEMPORARY TRENCH PROTECTION (STEEL PLATES OR
- 11. FOR THE FINAL RESTORATION (INCLUDES THE PATCHED/SURFACE REPLACEMENT AREA OVER THE TRENCH), THE ROAD SHALL BE MILLED AND RESURFACED WITH 1-1/2" (ONE AND A HALF INCH) OF SP 12.5 STRUCTURAL COURSE (TRAFFIC LEVEL A). FOR A FULL LANE WIDTH ENCROACHED BY THE TRENCH INCLUDING A TRANSITION AREA OF 25 FT. EACH SIDE MEASURED
- 12. APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUITS. INSTALL TAPE 24" BELOW FINISHED GRADE. COORDINATE TAPE REQUIREMENTS WITH UNIVERSITY.
- 13. FOR ASPHALT, MATCH EXISTING PAVEMENT THICKNESS. PAVEMENT SHALL BE A MINIMUM OF 1-1/2" SP-12.5. FOR PAVEMENT RESTORATION IN PAVER AREAS, CONTRACTOR SHALL REPLACE PAVERS IN KIND. FOR CONCRETE SIDEWALKS, MATCH EXISTING SIDEWALK THICKNESS. SIDEWALK SHALL BE A MINIMUM OF 4" 3000 PSI CONCRETE LAYER AND MUST COMPLY WITH THE REQUIREMENTS OF MIAMI-DADE COUNTY SECTION 145. CONTRACTOR SHALL MATCH SCORING LAYOUT TO EXISTING CONDITIONS.



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COLLEGE OF ARTS AND SCIENCES THEO DICKINSON DR

CORAL GABLES, FLORIDA

PHASE - 2

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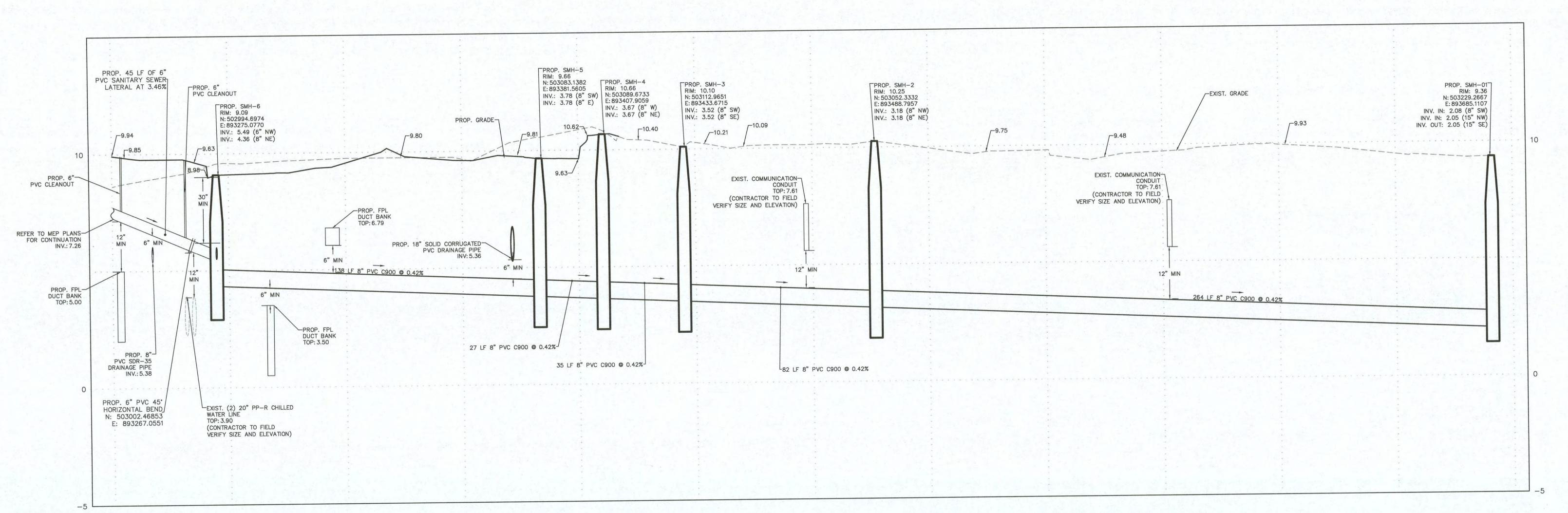
ISSUE DATE: JULY 18, 2022

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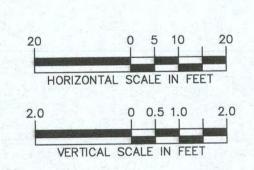
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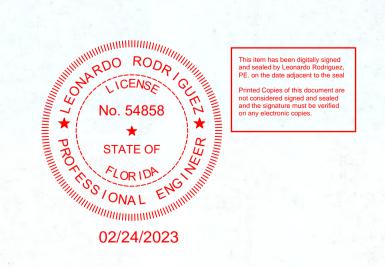


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45LF OF 6-IN SAN. SEWER LATERAL AND 546 LF OF 8-IN SAN. SEWER MAIN PROFILE







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SEWER MAIN **PROFILE**