



**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
Miami Regulatory Office
9900 Southwest 107th Avenue, Suite 203
Miami, Florida 33176**

Regulatory Division
South Branch
Miami Permits Section

March 19, 2020

PUBLIC NOTICE

Permit Application No. SAJ-2019-03058 (SP-AG)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) as described below:

APPLICANT: Bismark Construction, Inc.
8940 SW 105 Street
Miami, FL 33175

WATERWAY AND LOCATION: The project would affect waters of the United States associated with East Bird Drive Wetland Basin. The project site is located at the SE corner of SW 144th Avenue and SW 17th Street, in Section 10, Township 54, Range 39, Miami-Dade County, Florida. Parcel Folio No. 30-4910-003-0350.

Directions to the site are as follows: Exit the Florida Turnpike at Coral Way (SW 24th Street) and head West to SW 144th Avenue, head North on SW 144th Avenue to SW 17nd Street.

APPROXIMATE CENTRAL COORDINATES: Latitude 25.750848°
Longitude -80.428927°

PROJECT PURPOSE:

Basic: The basic purpose of this project to create a residential development with twelve (10) single family homes.

Overall: The overall project purpose is to create a residential development within the Bird Drive Wetlands basin in western Miami-Dade County

EXISTING CONDITIONS: Aerial photo review indicates that the site appears to have been impacted with unpermitted fill in the early 1990's. As a result, two different community types are found on the site. 1) Exotic Dominated Wetlands; and 2) Freshwater Wetland with Juvenile Exotics.

WL1 – Exotic Dominated Wetland – 1.61 acres

This polygon occupies the majority of the site at around the outer edges. Heavy Brazilian Pepper and Melaleuca are noted as well as Neyraudia and spindly Australian Pine. Significant illegal dumping found at the portions adjacent to the canal road and southern ROW.

WL2 – Exotic Dominated Wetlands – 0.39 Acres

This polygon is at the center of the site and contains a mix of native freshwater herbaceous wetland plants including Sawgrass and Muhly Grass. Mixed within this polygon is exotic Torpedo-grass as well as juvenile Melaleuca. This area will likely continue to decline in quality due to the surrounding seed source.

According to the USDA Natural Resources Conservation Service (NRCS) Soil Survey for [Miami-]Dade County Area, Florida (1996) and (websoilsurvey.nrcs.usda.gov), the underlying soils consist of Dania Muck Depressional soils. A map of the soil type is attached. "Dania muck, depressional" is described as a shallow, nearly level, very poorly drained soil located in poorly defined drainageways and adjacent to deeper organic soils within sawgrass marshes. Most areas are typically ponded for 9 to 12 months in most years and support natural vegetation, which consists of cattail and sawgrass. Dania Muck is listed as a hydric soil.

No wildlife was observed on the site during RSEC's visit with the exception of exotic lizards. The hydroperiod on the site is short (no stain lines were observed), likely as a result of the adjacent canal. Given such a short hydroperiod, even the native area at the center of the project does not provide suitable foraging habitat for wading birds. Inspection of the trees on the subject property did not indicate suitable nesting or roosting habitat for the Florida Bonneted Bat; the one Australian Pine noted on the site was tall and thin, structurally unsuitable for FBB utilization.

PROPOSED WORK: The applicant seeks authorization to discharge 16,131 cubic yards of clean fill into 2.0 acres of freshwater wetlands for the creation of a residential development with 10 single family residences.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

Based on the low ecological value of the parcel (surrounded by dense residential development, it is unlikely that a viable wetland preserve could be incorporated into the project. Any proposed preserve would be significantly adversely affected by secondary

impacts from existing surrounding land uses. The proposed filling will be performed in such a way as to preserve water quality from potential contamination during construction. In order to minimize impacts to adjacent wetlands, the applicant proposes to implement the FDEP NPDES BMP's to ensure turbidity standards are met or exceeded. Material used on the site will consist entirely of clean fill.

COMPENSATORY MITIGATION – The applicant has offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment:

The applicant is proposing to offset the wetland impacts associated with the project by mitigating through the purchase federal freshwater herbaceous mitigation credits from the Everglades National Park Hole-in-the-Donut In-lieu fee project .

CULTURAL RESOURCES:

The Corps is not aware of any known historic properties within the permit area. By copy of this public notice, the Corps is providing information for review. Our final determination relative to historic resource impacts is subject to review by and coordination with the State Historic Preservation Officer and those federally recognized tribes with concerns in Florida and the Permit Area.

ENDANGERED SPECIES:

The Corps has determined the proposed project may affect, but is not likely to adversely affect the, Eastern Indigo Snake (*Drymarchon corais couperi*), Wood Stork (*Mycteria Americana*), and have no effect on the Everglades Snail Kite (*Rostrhamus sociabilis plumbeus*) or its designated critical habitat. The Corps has programmatic concurrence with these determinations based the 1 August 2017 letter from the U.S. Fish and Wildlife Service for the Indigo snake and 18 May 2010 letter for the wood stork.

The Corps has determined the proposal may affect the Florida Bonneted Bat (*Eumops floridanus*). The project is located within the South Florida Urban Bat Area within Miami- Dade County. The Corps will request initiation of formal consultation with the Fish and Wildlife Service/National Marine Fisheries Service pursuant to Section 7 of the Endangered Species Act by separate letter.

ESSENTIAL FISH HABITAT (EFH): The proposed project would have no impacts on tidally influenced water. Therefore, our initial determination is that the proposed action would have no impact on EFH or Federally managed fisheries.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line [has/has not] been verified by Corps personnel.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Miami Permits Section, 9900 Southwest 107th Avenue, Suite 203 Miami, Florida 33176 within 21 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

QUESTIONS concerning this application should be directed to the project manager, Albert Gonzalez, in writing at the Miami Permits Section, 9900 SW 107th Avenue, Suite 203, Miami, FL 33176; by electronic mail at albert.gonzalez@usace.army.mil; or, by telephone at (305)779-6055.

IMPACT ON NATURAL RESOURCES: Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The US Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested

parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

COASTAL ZONE MANAGEMENT CONSISTENCY: In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

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| I T E M | CROSS
REF. | SPEC.
REF. |



MIAMI-DADE
COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT

- * OTHER SCALE MAY BE PERMITTED, BUT MUST BE APPROVED BY THE DEPARTMENT PRIOR TO PREPARATION OF DRAWINGS.



MIAMI-DADE
COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT



SCALE 1" = 300' S10-T54-R39

THAT PORTION OF A TRACT IN THE PLAT OF J.G. HEAD'S FARMS, AS RECORDED IN PLAT BOOK 46 PAGE 44, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

(NOT PART OF M-WASD NOTES NOR APPROVAL)

<p>WATER MAIN HORIZONTAL SEPARATIONS</p> <p>SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE OF VACUUM OR STORM SEWERS, BETWEEN WATER MAIN AND STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER FORCE MAINS, AT LEAST 12 INCHES ABOVE, OR AT LEAST 12 INCHES IF BELOW, THE SANITARY SEWER OR STORM WATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.</p> <p>NOTE: CENTER 1'-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY, ANGLE PIPES SHALL BE MEASURED FROM THE CENTER OF THE VACUUM, STORM OR STORM FORCE MAINS, AT LEAST 12 INCHES ABOVE OR BELOW THE SANITARY SEWERS, STORMWATER FORCE MAINS OR RECLAIMED WATER.</p> <p>SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE OF VACUUM OR STORM SEWERS, BETWEEN WATER MAIN AND STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER FORCE MAINS, AT LEAST 12 INCHES ABOVE, OR AT LEAST 12 INCHES IF BELOW, THE SANITARY SEWER OR STORM WATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.</p> <p>NOTE: CENTER 1'-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY, ANGLE PIPES SHALL BE MEASURED FROM THE CENTER OF THE VACUUM, STORM OR STORM FORCE MAINS, AT LEAST 12 INCHES ABOVE OR BELOW THE SANITARY SEWERS, STORMWATER FORCE MAINS OR RECLAIMED WATER.</p>	<p>WATER MAIN VERTICAL SEPARATIONS</p> <p>SEPARATIONS BETWEEN WATER MAIN AND GRAVITY SEWERS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE OF VACUUM OR STORM SEWERS, BETWEEN WATER MAIN AND STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER FORCE MAINS, AT LEAST 12 INCHES ABOVE, OR AT LEAST 12 INCHES IF BELOW, THE SANITARY SEWER OR STORM WATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.</p> <p>NOTE: CENTER 1'-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY, ANGLE PIPES SHALL BE MEASURED FROM THE CENTER OF THE VACUUM, STORM OR STORM FORCE MAINS, AT LEAST 12 INCHES ABOVE OR BELOW THE SANITARY SEWERS, STORMWATER FORCE MAINS OR RECLAIMED WATER.</p>
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PLEASE BE ADVISED THAT THE FEDERAL GOVERNMENT HAS DESIGNATED ALL OR A PART OF THE SUBJECT PROPERTY AS CRITICAL HABITAT FOR ONE OR MORE ENDANGERED SPECIES.

YOU ARE STRONGLY ADVISED TO CONSULT WITH THE UNITED STATES FISH AND WILDLIFE SERVICE AND ANY OTHER NECESSARY FEDERAL OR STATE AGENCIES BEFORE CONDUCTING ANY WORK OR ACTIVITIES ON THE PROPERTY. THE VERO BEACH OFFICE OF THE UNITED STATES FISH AND WILDLIFE SERVICE MAY BE REACHED AT (772) 562-3809. PLEASE BE AWARE THAT THE FEDERAL GOVERNMENT MAY REQUIRE CERTAIN ACTIONS OR PROTECTIONS ON THE PROPERTY, AND THIS MAY RESULT IN THE NEED TO MODIFY THE PLANS FOR THE PROPERTY. THEREFORE, IT IS RECOMMENDED THAT YOU CONSULT WITH THE UNITED STATES FISH AND WILDLIFE SERVICE AT AN EARLY STAGE IN THE PROCESS.

IN THE EVENT THAT THE UNITED STATES FISH AND WILDLIFE SERVICE ADVISES THAT YOUR PLANS FOR THE SUBJECT PROPERTY MAY RESULT IN A "TAKE" OF ENDANGERED OR THREATENED SPECIES, YOU ARE STRONGLY RECOMMENDED TO INFORM MIAMI-DADE COUNTY IN WRITING AT THE EARLIEST STAGE POSSIBLE.

W-1 CIVIL COVER SHEET AND NOTES
W-2 PROPOSED WATER AND SEWER PLAN
W-3 PROPOSED WATER AND SEWER MAIN PROFILES
W-4 PROPOSED SANITARY SEWER LATERAL PROFILES

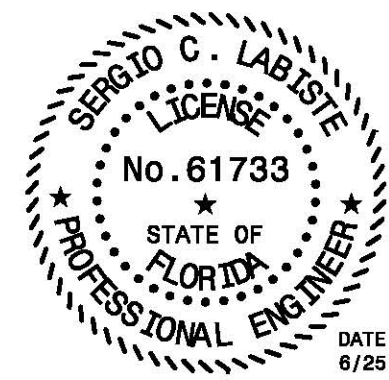
MIAMI-DADE
COUNTY

- Rev. 4/30/2018

ALL ELEVATIONS REFER
TO N.G.V.D. 1929

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
SERGIO C. LABISTE, P.E. 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.



Sergio C Labiste
2019.06.25 09:48:14 -04'00'

DATE:
6/25/19

<p>WATER PERMIT DW-2019-30249</p>	<p>SEWER PERMIT DS-2019-30249</p>
<p>APPROVED <input checked="" type="checkbox"/></p>	<p>APPROVED AS REVISED <input type="checkbox"/></p>

 LACOSTA
 REVIEWER'S NAME

 SIGNATURE

 8/2/2019
 DATE

THIS ACCEPTANCE IS VALID FOR TWO YEARS AND DOES NOT RELIEVE
 THE ENGINEER AND CONTRACTOR FROM COMPLIANCE WITH ALL
 COUNTY AND STATE REQUIREMENTS AND AGREEMENTS

AGR. I.D. NO. 30249

SW 17 ST, SW 18 ST AND SW 144 AVE, MIAMI, FL 33175; FOLIO: 30-4910-003-0350

CARLAB, INC.
 CERTIFICATE OF AUTHORIZATION 6419
 ARCHITECTURE • PLANNING • ENGINEERING
 8730 SOUTHWEST 25TH STREET, MIAMI, FL 33165 TEL: 786 385-4093 FAX: 305 226-0438

Revisions

By:

WASD (6/25/19)

R.M.M.

Seal

Date:

SERGIO C. LABISTE P.E. #61733

Date: 5/8/19

Scale: AS SHOWN

Drawn: R.M.M.

Checked: S.C.L.

Designed: R.M.M.
Project No. 19-1583

Drawing No.

Sheet 1 of 4

FILE:

PROPOSED WATER AND SEWER PLAN



SCALE: 1" = 20'

LEGEND

GAS MAIN	— SIZE C —	SECTION LINE	— S —
TELEPHONE DUCT UNDERGROUND (0)	— SIZE T —	RIGHT-OF-WAY	— R/W —
TELEPHONE DUCT OVERHEAD (0)	— SIZE T —	PROPERTY LINE	— P —
TELEPHONE DUCT UNDERGROUND (0)	— SIZE T —	CENTER LINE	— C —
ELECTRICAL PULL BOX	— SIZE SD —	BASE LINE	— B —
STORM SEWER	— SIZE SD —	MONUMENT LINE	— M —
CATCH BASIN OR INLET	— C.B. —	EDGE OF PAVEMENT	— E —
DENOTES EXISTING	EXIST.	EXISTING UTILITY POLE	— U —
DENOTES PROPOSED	PROP.	EXISTING CONCRETE POLE	— C —
DENOTES TYPICAL	TYP.	EXISTING TREE	— T —
TO BE FIELD VERIFIED	TBFV	EXISTING PALM TREE	— P —
EXISTING OVERHEAD WIRE	— O.W. —	EXISTING WOOD FENCE	— F —
EXISTING CHAIN LINK FENCE	— C.L.F. —	EXISTING ELECTRICAL BOX	— E.B. —

WASD NOTES

- DEFLECTION ON PROPOSED PIPE SHALL BE LESS THAN 2.5"
- ARCHITECTURAL PLANS HAVE NOT BEEN PRODUCED FOR INDIVIDUAL LOTS, THEREFORE DRIVEWAYS CANNOT BE SHOWN. OWNER/DEVELOPER SHALL NOT PLACE ANY DRIVEWAYS ON EXISTING WATER METER BOXES NOR SANITARY CLEAN-OUT BOXES.
- DEVELOPER SHALL BE REQUIRED TO OBTAIN APPROVAL FROM WASD SHOULD A DRIVEWAY BE DESIGNED THROUGH A SEWER LATERAL CLEAN-OUT AND INSTALL NO 53 VALVE BOXES ON ALL PROPOSED SEWER CLEAN-OUTS.
- WATER METERS SHALL NOT BE INSTALLED BY WASD FORCES ON DRIVABLE SURFACES, NO METER BOXES SHALL BE INSTALLED ON ANY PROPOSED DRIVEWAYS.

(NOT A PART OF WASD NOTES NOR APPROVALS)

- FOR PAVEMENT RESTORATION REFER, MIAMI-DADE COUNTY PUBLIC WORKS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SERGIO C. LABISTE, P.E. ON THE DATE ADJACENT TO THE SEAL.

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	SERGIO C. LABISTE P.E. #61733

Date: 5/8/19
Scale: AS SHOWN
Drawn: R.M.M.
Checked: S.C.L.
Designed: R.M.M.
Project No. 19-1583

Drawing No.	W-2
Sheet	2 of 4

FILE:

BISMARCK VILLAS FIRST ADDITION

SW 17 ST, SW 18 ST AND SW 144 AVE, MIAMI, FL 33175; FOLIO: 30-4910-003-0350

CARLAB, INC.

CERTIFICATE OF AUTHORIZATION 6419
ARCHITECTURE - PLANNING - ENGINEERING
MIAMI, FL 33165 TEL: 786 385-4093 FAX: 305 226-0438

DISCLOSURE RELATED TO CRITICAL HABITAT FOR ENDANGERED SPECIES

PLEASE BE ADVISED THAT THE FEDERAL GOVERNMENT HAS DESIGNATED ALL OR A PART OF THE SUBJECT PROPERTY AS CRITICAL HABITAT FOR ONE OR MORE ENDANGERED SPECIES.

YOU ARE NOT AUTHORIZED TO COMMENCE ANY WORK OR ACTIVITIES PURSUANT TO THIS PERMIT UNTIL YOU OBTAIN ANY AND ALL APPROVALS OR PERMITS, IF NECESSARY, FROM THE FEDERAL GOVERNMENT PURSUANT TO THE ENDANGERED SPECIES ACT AND FROM THE STATE OF FLORIDA PURSUANT TO FLORIDA LAW ON ENDANGERED SPECIES. PLEASE BE ADVISED THAT, EVEN AFTER WORK COMMENCES, IF MIAMI-DADE COUNTY IS ADVISED BY THE FEDERAL GOVERNMENT, THE STATE OF FLORIDA, OR A COURT THAT AN ACTIVITY ON THE SUBJECT PROPERTY IS IN VIOLATION OF THE ENDANGERED SPECIES ACT, IN VIOLATION OF FLORIDA LAW ON ENDANGERED SPECIES, OR IN VIOLATION OF A PERMIT OR APPROVAL GRANTED BY THE FEDERAL GOVERNMENT PURSUANT TO THE ENDANGERED SPECIES ACT, SUCH VIOLATION MAY RESULT IN AN IMMEDIATE STOP WORK ORDER.

YOU ARE STRONGLY ADVISED TO CONSULT WITH THE UNITED STATES FISH AND WILDLIFE SERVICE AND ANY OTHER NECESSARY FEDERAL OR STATE AGENCIES BEFORE CONDUCTING ANY WORK OR ACTIVITIES ON THE PROPERTY. THE VERO BEACH OFFICE OF THE UNITED STATES FISH AND WILDLIFE SERVICE MAY BE REACHED AT (772) 562-3909. PLEASE BE AWARE THAT THE FEDERAL GOVERNMENT MAY REQUIRE CERTAIN ACTIONS OR PROTECTIONS ON THE PROPERTY, AND THIS MAY RESULT IN THE NEED TO MODIFY THE PLANS FOR THE PROPERTY. THEREFORE, IT IS RECOMMENDED THAT YOU CONSULT WITH THE UNITED STATES FISH AND WILDLIFE SERVICE AT AN EARLY STAGE IN THE PROCESS.

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NOTE

IF PROP. 8-INCH SAN. SEWER BY OTHERS (DS-2006-586) IS NOT CONVEYED BY THE TIME THIS PROJECT IS READY FOR CONSTRUCTION/CONNECTION, THEN THE DEVELOPER IS REQUIRED TO EXTEND THE 8-INCH SAN. SEWER MAIN AS DESCRIBED IN THE AGREEMENT 19499.

PROP. BY OTHERS MH (WASD AG. ID 19499C) BISMARCK VILLAS (P&Z BISMARCK ESTATES SECOND ADDITION) - PLAT 17-22446 R/W=8.60' INV=6.05(S)

PROP. 8" DIP 45° BEND STA 9+95.3, 13.0(N)
PROP. 7.5' LF 8" DIP W.M.
PROP. 8" DIP 45° BEND STA 9+90.1, 7.6(N)
PROP. 20.6' LF 8" DIP W.M.
PROP. 47.8' LF 8" DIP SAN. SEW. MAIN @ 0.4% SLOPE

CORE DRILL EXIST. MH @ INV=6.05(E) PER SS 6.2 STA 9+53.0, 3(S)
PROP. SHALLOW SAN. SEW. MH # 2 AS PER SS 7.0 R/W=10.5' INV=7.10'(W, N) STA 12+18.4, 6.0(N)
PROP. 8" DIP WYE CONNECTION AS PER SS 1.0 (1/2) INV=6.94' (PROFILE "D") STA 11+78.0, 6.0(N)

PROP. 8" DIP 45° BEND STA 9+95.3, 13.0(N)
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PROP. 8" DIP WYE CONNECTION AS PER SS 1.0 (1/2) INV=6.94' (PROFILE "D") STA 11+78.0, 6.0(N)

PROP. 8" DIP 45° BEND STA 9+95.3, 13.0(N)
PROP. 7.5' LF 8" DIP W.M.
PROP. 8" DIP 45° BEND STA 9+90.1, 7.6(N)
PROP. 20.6' LF 8" DIP W.M.
PROP. 47.8' LF 8" DIP SAN. SEW. MAIN @ 0.4% SLOPE

CORE DRILL EXIST. MH @ INV=6.05(E) PER SS 6.2 STA 9+53.0, 3(S)
PROP. SHALLOW SAN. SEW. MH # 2 AS PER SS 7.0 R/W=10.5' INV=7.10'(W, N) STA 12+18.4, 6.0(N)
PROP. 8" DIP WYE CONNECTION AS PER SS 1.0 (1/2) INV=6.94' (PROFILE "D") STA 11+78.0, 6.0(N)

PROP. 8" DIP 45° BEND STA 9+95.3, 13.0(N)
PROP. 7.5' LF 8" DIP W.M.
PROP. 8" DIP 45° BEND STA 9+90.1, 7.6(N)
PROP. 20.6' LF 8" DIP W.M.
PROP. 47.8' LF 8" DIP SAN. SEW. MAIN @ 0.4% SLOPE

CORE DRILL EXIST. MH @ INV=6.05(E) PER SS 6.2 STA 9+53.0, 3(S)
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PROP. 8" DIP WYE CONNECTION AS PER SS 1.0 (1/2) INV=6.94' (PROFILE "D") STA 11+78.0, 6.0(N)

AGR. I.D. NO. 30249

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ALL EXISTING MAINS BEING IMPACTED BY THIS PROJECT AND ALL PROP. WATER & FORCE MAINS AND FITTINGS TO BE RESTRAINED PER GS 2.0

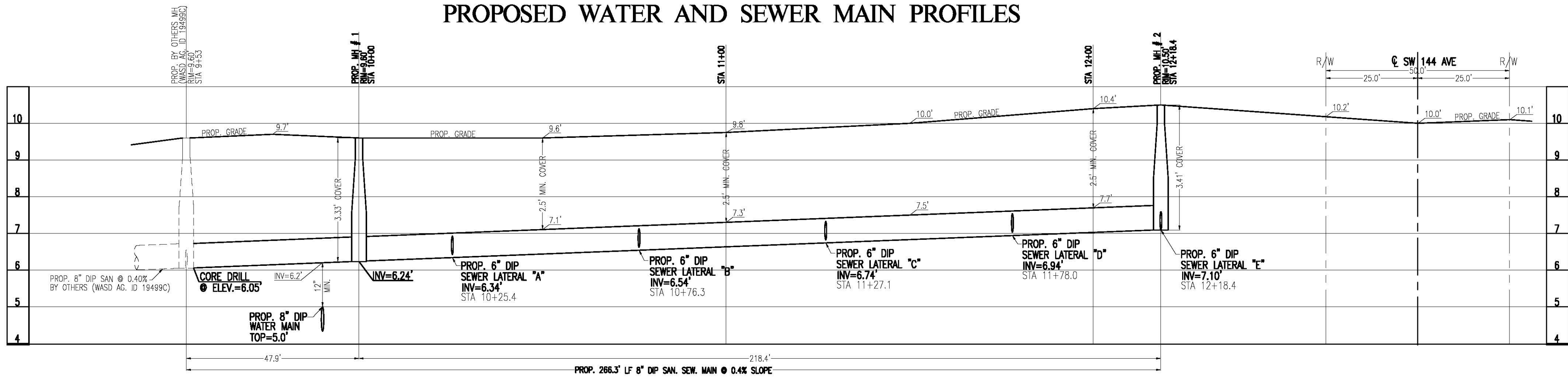
ALL ELEVATIONS REFER TO N.G.V.D., 1929



Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

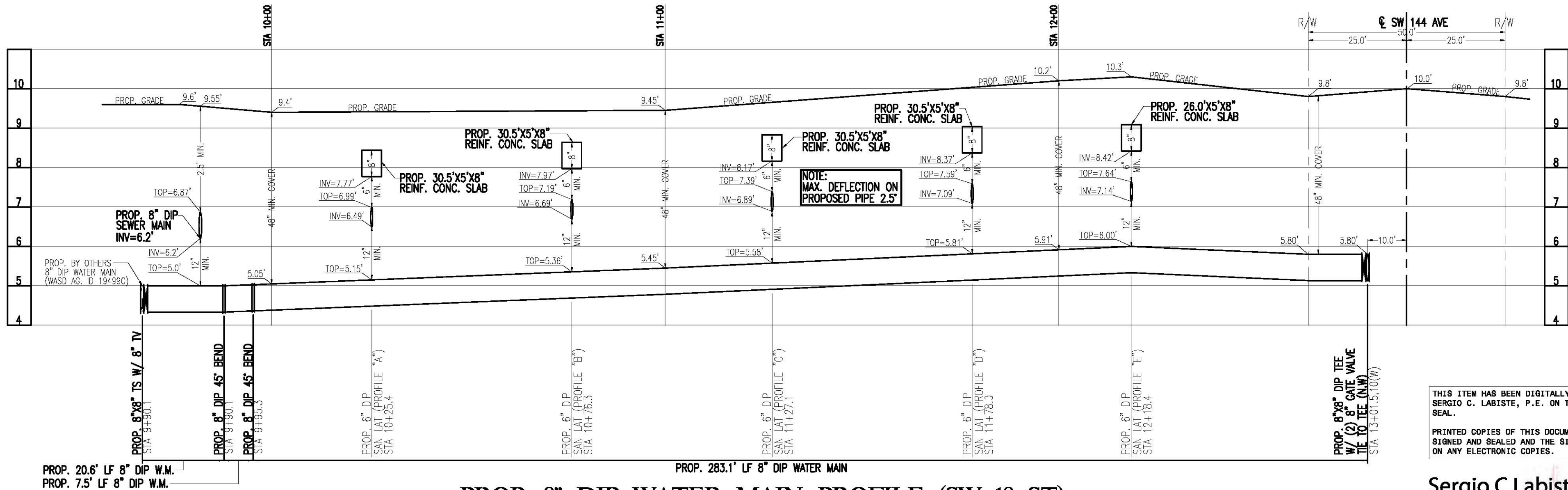
Check positive response codes before you dig!

PROPOSED WATER AND SEWER MAIN PROFILES



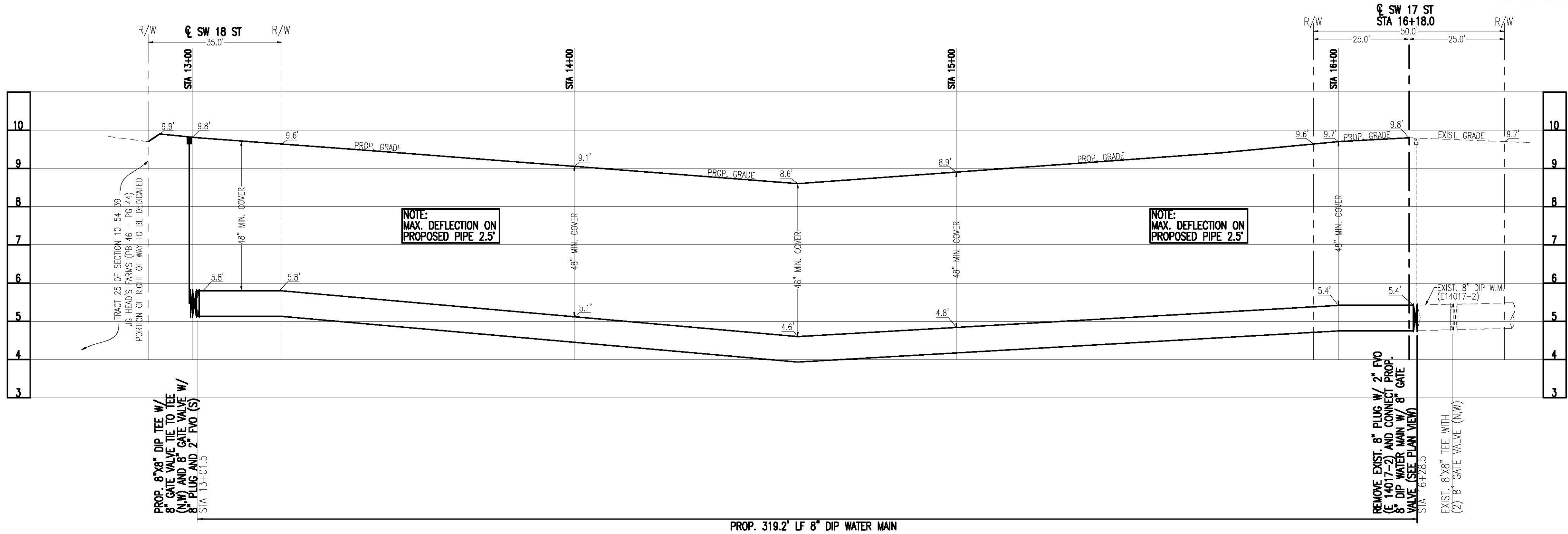
PROP. 8" DIP SAN. SEW. MAIN PROFILE (SW 18 ST)

SCALE: HORIZ. 1" = 20', VERT. 1" = 2'



PROP. 8" DIP WATER MAIN PROFILE (SW 18 ST)

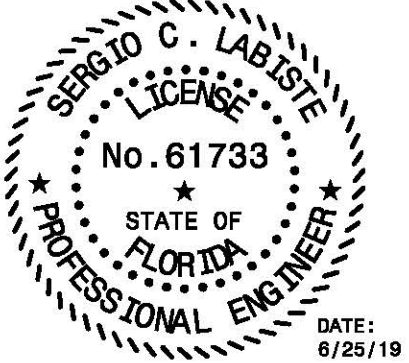
SCALE: HORIZ. 1" = 20', VERT. 1" = 2'



PROP. 8" DIP WATER MAIN PROFILE (SW 144 AVE)

SCALE: HORIZ. 1" = 20', VERT. 1" = 2'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SERGIO C. LABISTE, P.E. 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.



Sergio C Labiste
2019.06.25 09:49:23 -04'00'

MIAMI-DADE
WATER AND SEWER DEPARTMENT
WATER PERMIT DW-2019-30249
SEWER PERMIT DS-2019-30249
APPROVED ☒ LACOSTA
REVIEWER'S NAME
APPROVED AS REVISED ☐
SIGNATURE
8/22/2019
DATE
THIS ACCEPTANCE IS VALID FOR TWO YEARS AND DOES NOT RELIEVE THE ENGINEER AND CONTRACTOR FROM COMPLIANCE WITH ALL COUNTY AND STATE REQUIREMENTS AND AGREEMENTS

BISMARK VILLAS FIRST ADDITION

SW 17 ST, SW 18 ST AND SW 144 AVE, MIAMI, FL 33175; FOLIO: 30-4910-003-0350

C A R L A B, I N C.

CERTIFICATE OF AUTHORIZATION 6419
ARCHITECTURE - PLANNING - ENGINEERING
MIAMI, FL 33165 TEL: 786 385-4093 FAX: 305 226-0438

Revisions	By:
WASD (6/25/19)	R.M.M.

Seal
Date:
SERGIO C. LABISTE P.E. #61733

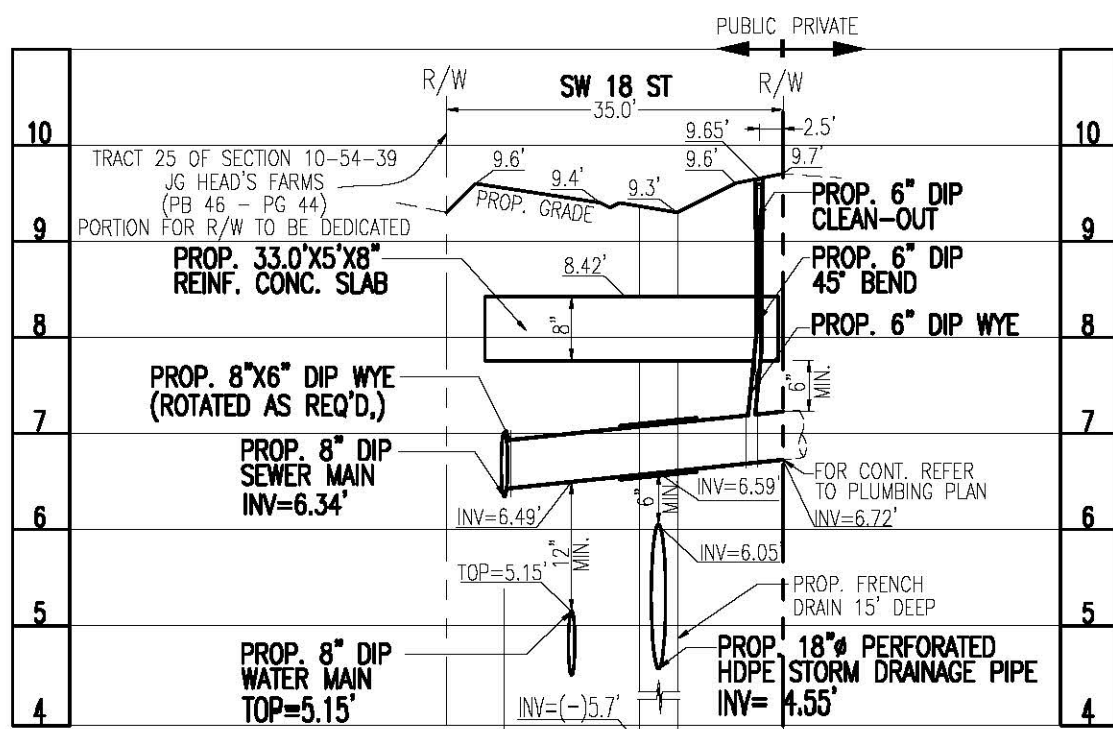
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Scale: AS SHOWN
Drawn: R.M.M.
Checked: S.C.L.
Designed: R.M.M.
Project No. 19-1583

Drawing No.
W-3
Sheet 3 of 4

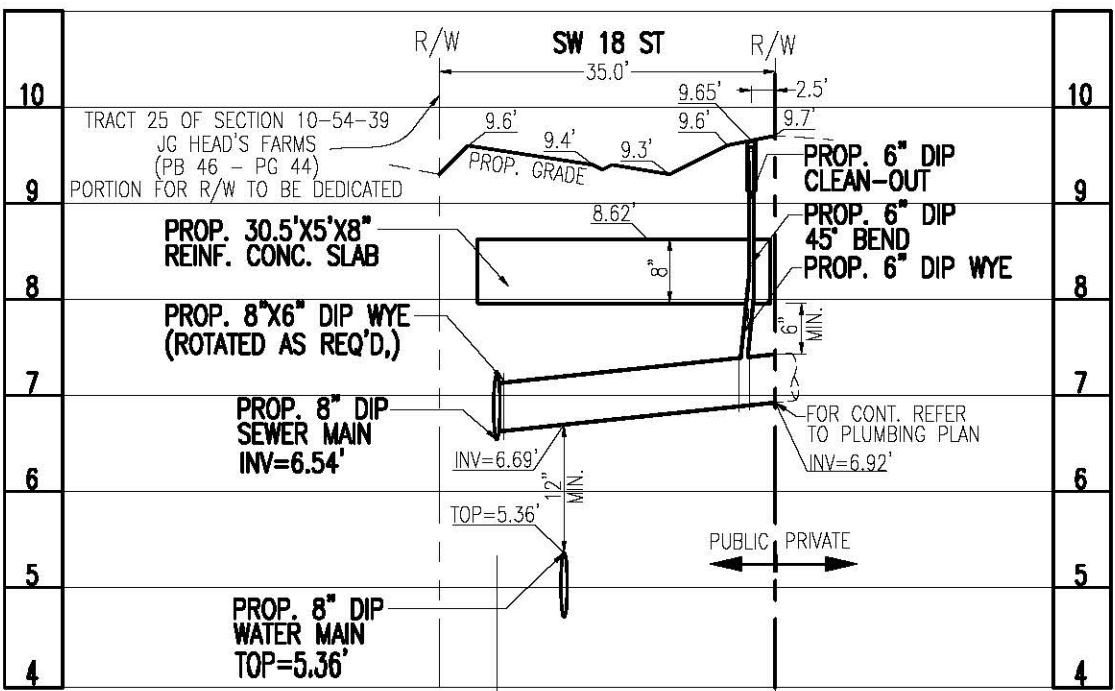
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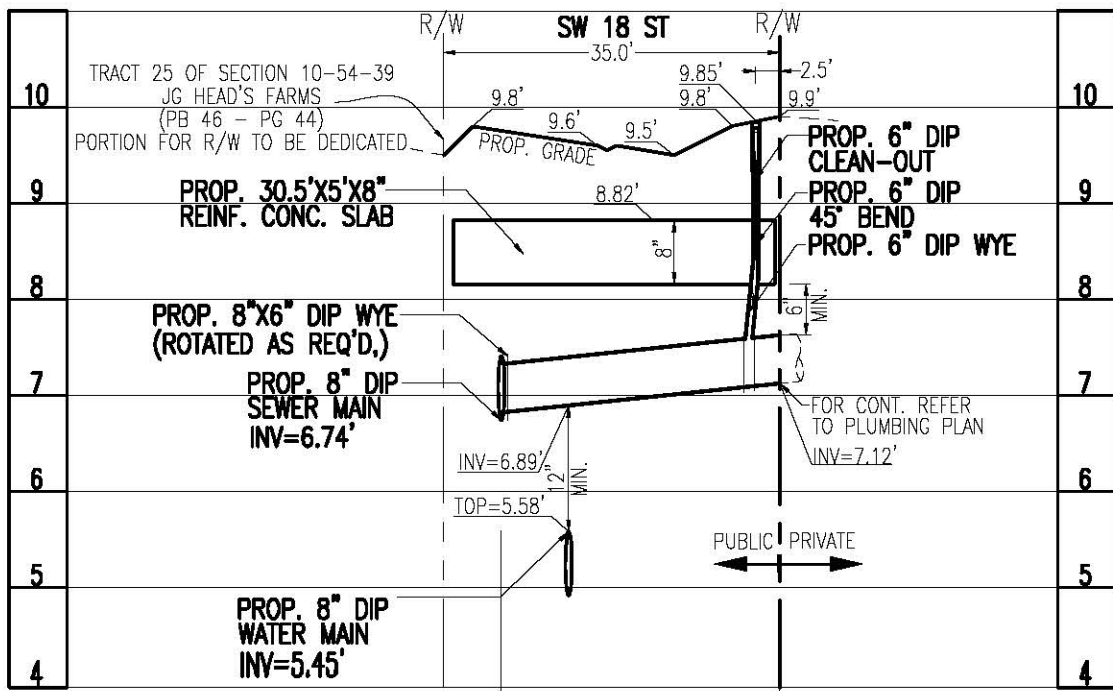
PROPOSED SANITARY SEWER LATERAL PROFILES



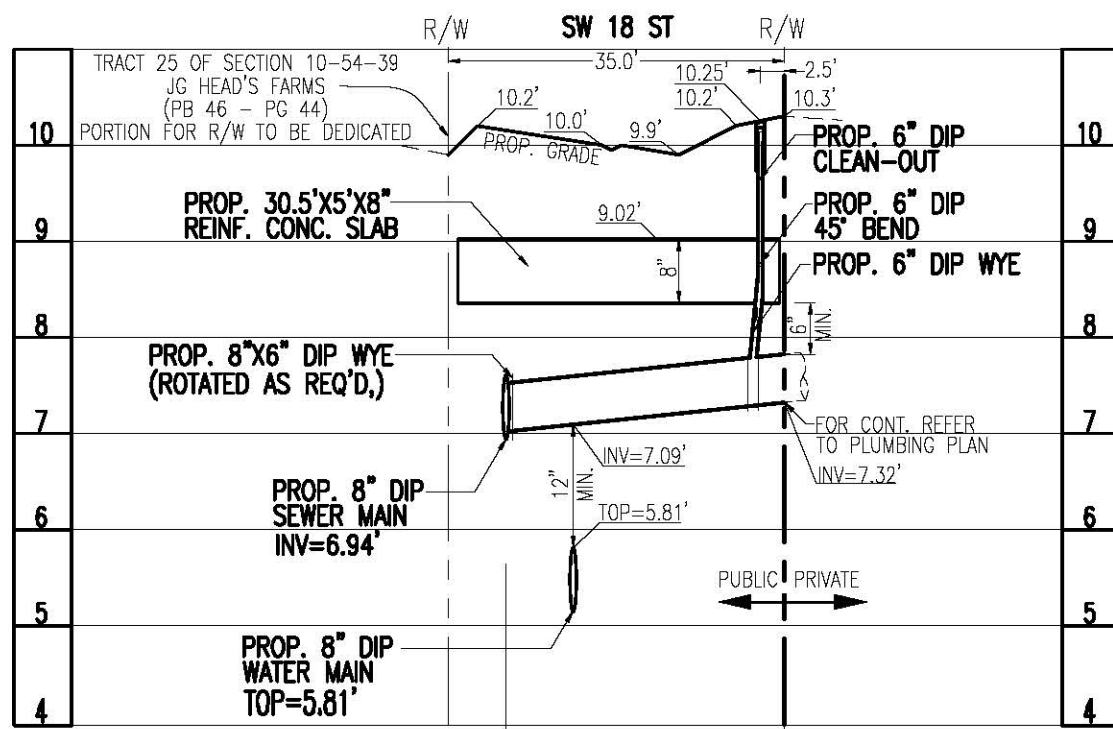
PROP. 6" DIP
SANITARY LATERAL PROFILE "A"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 10+25.4



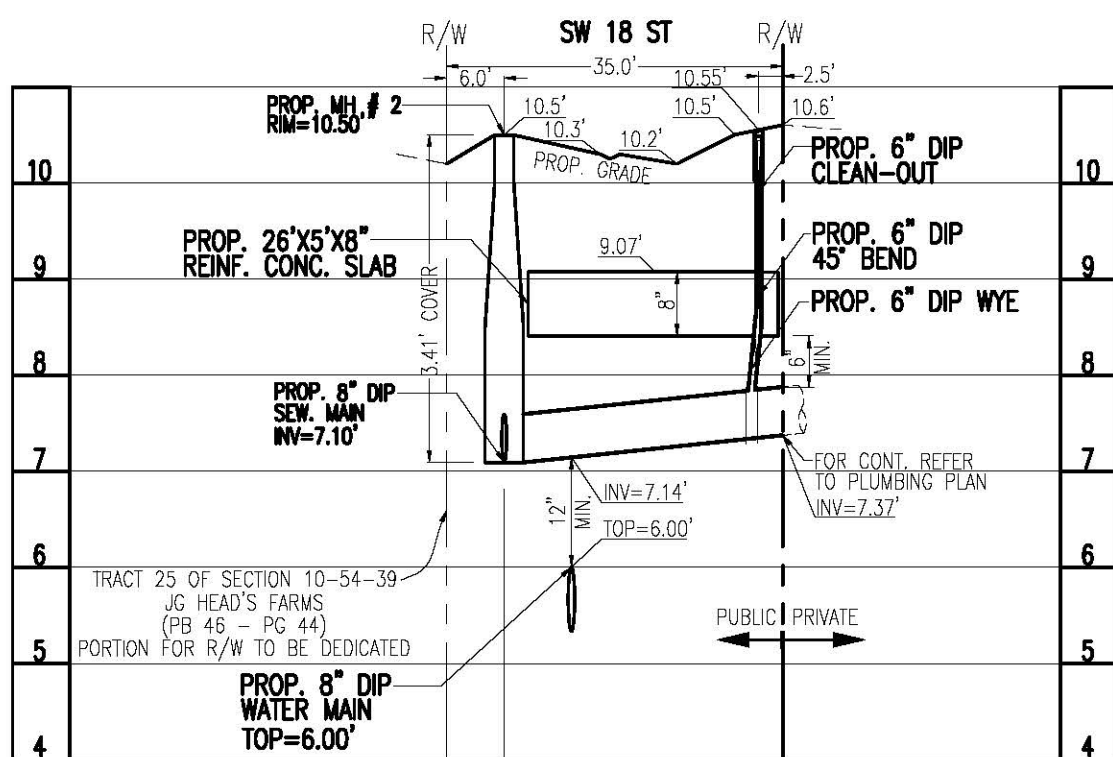
PROP. 6" DIP
SANITARY LATERAL PROFILE "B"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 10+76.3



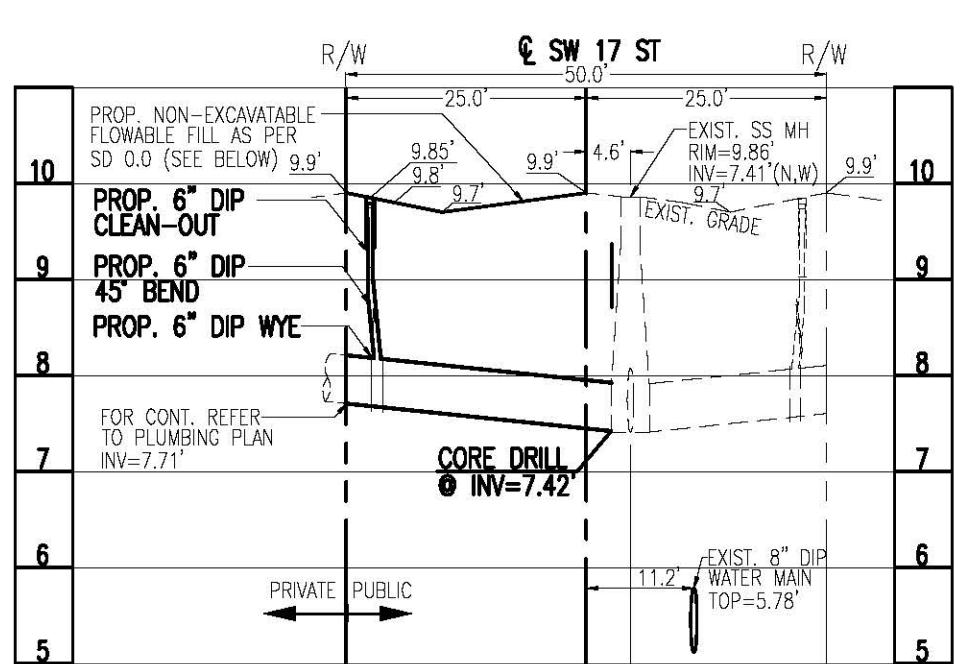
PROP. 6" DIP
SANITARY LATERAL PROFILE "C"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 11+27.1



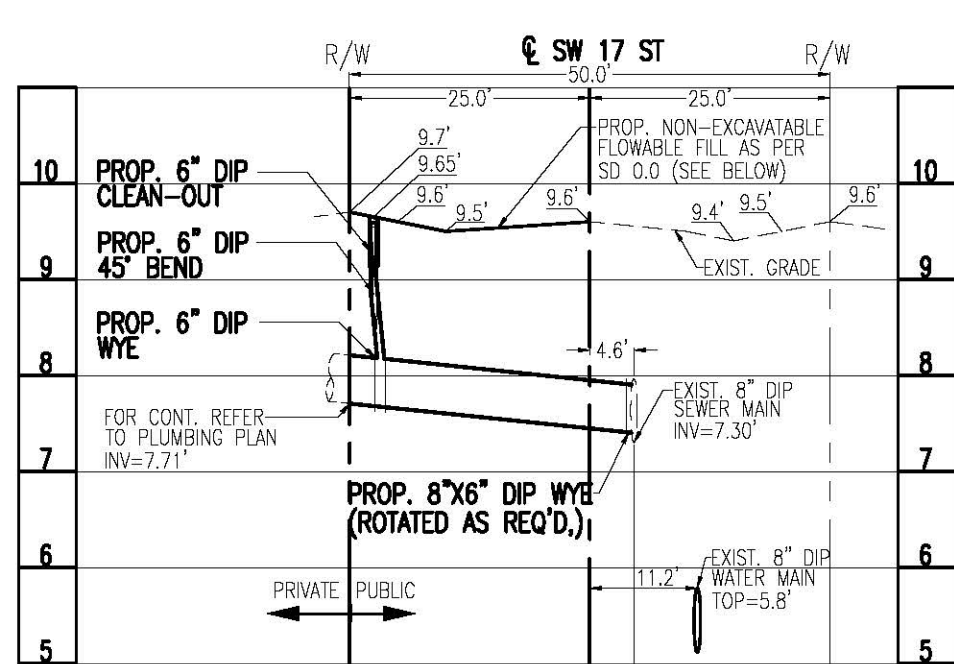
PROP. 6" DIP
SANITARY LATERAL PROFILE "D"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 11+78.0



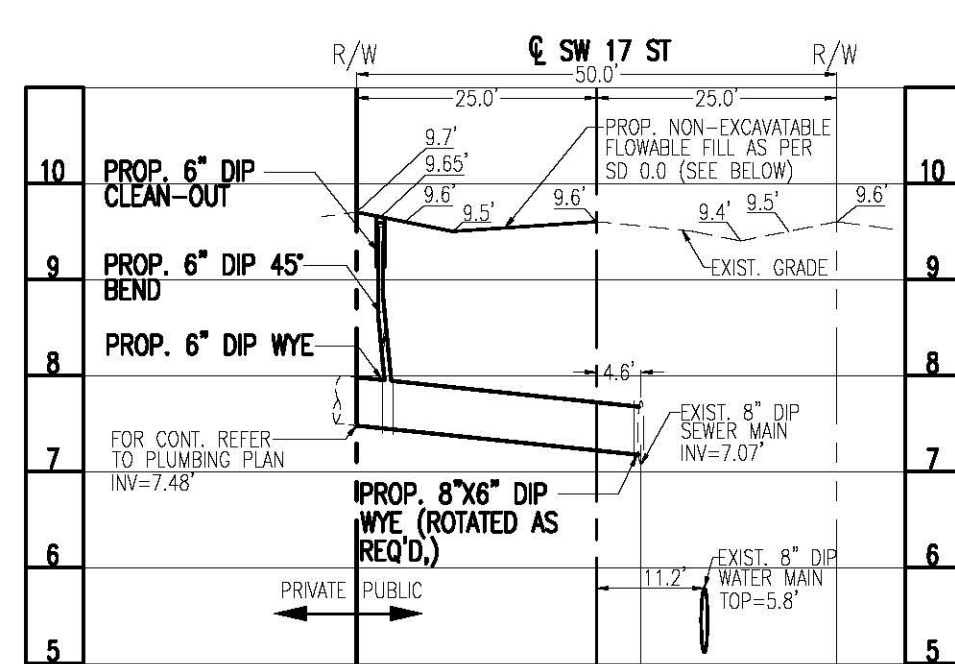
PROP. 6" DIP
SANITARY LATERAL PROFILE "E"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 12+18.4



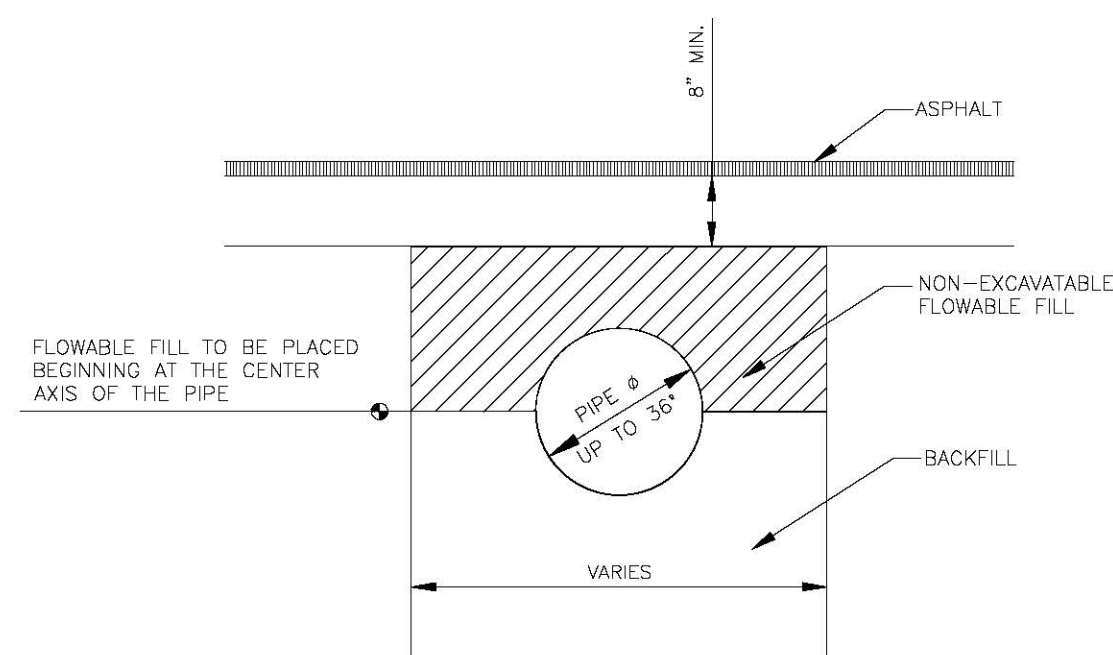
PROP. 6" DIP
SANITARY LATERAL PROFILE "F"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 16+93.2



PROP. 6" DIP
SANITARY LATERAL PROFILE "G"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 17+22.5



PROP. 6" DIP
SANITARY LATERAL PROFILE "H"
SCALE: HORIZ. 1" = 20', VERT. 1" = 2' STA 17+92.2



DETAIL

NOTE:

1.-USE NON-EXCAVATABLE FLOWABLE FILL WITH A MINIMUM 28-DAYS COMPRESSIVE STRENGTH OF 300 PSI PER SECTION 121-3 OF THE FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE DESIGN.

MIAMI-DADE COUNTY	APPROVED	REVISED	NON-EXCAVATABLE FLOWABLE FILL DETAIL FOR WARD CROSSING WITH LESS THAN 3 FEET OF COVER	SD 0.0
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	A.B.	5-22-18 9-27-12		SHEET 1 OF 1

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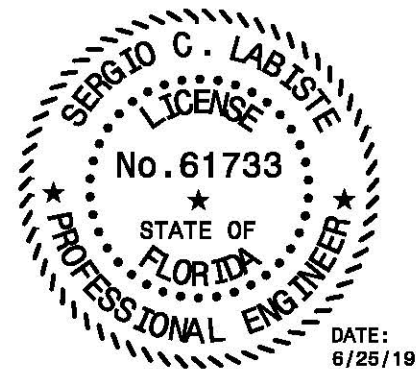


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Sergio C Labiste
2019.06.25 09:49:53 -04'00'



Revisions	By:
WASD (6/25/19)	R.M.M.

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SERGIO C. LABISTE P.E. #61733

Date: 5/8/19
Scale: AS SHOWN
Drawn: R.M.M.
Checked: S.C.L.
Designed: R.M.M.
Project No. 19-1583

Drawing No.
W-4
Sheet 4 of 4

FILE:

AGR. I.D. NO. 30249

BISMARCK VILLAS FIRST ADDITION

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CARLAB, INC.

CERTIFICATE OF AUTHORIZATION 6419
ARCHITECTURE - PLANNING - ENGINEERING
8730 SOUTHWEST 25TH STREET, MIAMI, FL 33165 TEL: 786 385-4093 FAX: 305 226-0438