

**Miami River Commission
Public Meeting Minutes
February 6, 2023**

The Miami River Commission's (MRC) public meeting convened at noon, February 6, 2023, in the Downtown Library Auditorium, 101 W Flagler. Sign in sheets are attached.

Miami River Commission (MRC) Policy Committee Members and/or Designees attending:

Jim Murley, Vice Chairman, designee for Miami-Dade County Mayor Cava
Megan Kelly, designee for City of Miami Mayor Francis Suarez
Eddie Marti Kring, designee for Miami-Dade County Commissioner Eileen Higgins
Mercedes Librada Rodriguez, designee for City of Miami Commissioner Alex Diaz de la Portilla
Patty Harris, designee for Governor
T. Spencer Crowley, III, Member at Large Appointed by City of Miami Commission
Bruce Brown, Miami River Marine Group
Tom Kimen, designee for Neighborhood Representative Appointed by City Commission
John Michael Cornell, designee for Member at Large Appointed by the Governor
Philip Everingham, designee for Marine Council
Neal Schafers, designee for Downtown Development Authority
Mike Simpson, designee for Neighborhood Representative appointed by Miami-Dade County

MRC Staff:

Brett Bibeau, Managing Director

I) Chair's Report

The Miami River Commission unanimously adopted their January public meeting minutes.

MRC Vice Chairman Jim Murley, Chief Resilience Officer Miami-Dade County, provided the following report:

On behalf of the Miami River Commission, I would like to extend our deepest condolences to MRC Chairman Horacio Stuart Aguirre whom is unable to join us today due to the sad passing of his daughter Alessandra Maria.

I would like to welcome Sallye Jude's family, and thank County Commissioner Eileen Higgins, the Board of County Commissioners and Mayor Levine Cava for presenting a special Resolution of Sympathy for her passing.

The free 24th Annual Miami Riverday will be held April 1, 2023, 1-6 PM, Lummus Park, 250 NW North River Drive, featuring free boat rides, live music, environmental education, historic reenactors, children's activities, food and drinks. In addition, at Riverday we will release the 20th Annual Miami River Map and Guide. Sponsorships and advertisements are available with Brett only until this Wednesday, and then we need to send the marketing to the printers.

The Miami River Commission thanks Commissioner Higgins for sponsoring the board of County Commissioner's adopted urging of the Florida Legislature to appropriate a \$150,000 line item to the MRC in the State's FY 23-24 budget. Before you are just the start of many support letters still coming in from Miami River condo associations, retail businesses, restaurants, developers, marinas, law firms, engineers, elected officials, etc. in support of this state funding request.

The MRC thanks the Hands on Miami volunteers whom picked up garbage along the public Riverwalk shoreline in Curtis Park on Sunday January 15.

II) Review of Brickell Bridge Traffic Study

The December 9, 2022 "Pedestrian Bridge Traffic Statement, Brickell Ave Bridge" was distributed and discussed. The signed and sealed professional traffic engineer report was paid for by "Miami Bridge", the future redevelopers of the adjacent Hyatt site. The traffic engineers observed the bridge operations with and without white glove police officers. Without Officers openings are very often extended by pedestrians dangerously walking across the bridge after the vehicular and pedestrian safety gates have closed. The extended wait times directly connects to the number of vehicles waiting for the gates to reopen. When a white glove police officer was in place and observed, they were able to stop the dangerous and illegal pedestrian crossings when the bridge was trying to open, which reduced the time of the bridge openings by around 50%, therefore significantly reducing the traffic buildup. This traffic improvement is able to be implemented quickly and is inexpensive.

III) Update Regarding Miami Circle Park

The following email from the Florida Department of State regarding restoring the historic signage, creating a 3D model, and providing security at Miami Circle Park was distributed and discussed by attendees:

From: Tomlinson, Angela E. <Angela.Tomlinson@DOS.MyFlorida.com>
Sent: Wednesday, January 18, 2023 7:53 AM
To: Brett Bibeau <brettbibeau@miamirivercommission.org>
Cc: Lotane, Alissa Slade <Alissa.Lotane@dos.myflorida.com>; Liko, Sarah M. <Sarah.Liko@dos.myflorida.com>
Subject: DHR Miami Circle updates, January 2023

Brett, see below updates from DHR Director Lotane. Thank you for all that you and the Miami River Commission do to help us manage the Miami Circle.

On October 11, 2022, State Historic Preservation Officer Alissa Lotane (Director, Division of Historical Resources) visited the Miami Circle to meet with Brett Bibeau of the Miami River Commission. Also present were Dr. Kathryn Miyar, State Archaeologist, and one representative each from Miami Dade County and the Florida Public Archaeology Network (FPAN). The group discussed the condition of the property, including landscaping and interpretive panels that are

now in poor condition due to sun exposure. We also discussed parking, security, and potential options for a replica of the Miami Circle on top of the site.

On November 14, Director Lotane met virtually with Mr. Don Slesnick, former mayor of Coral Gables and current board member of the Division's non-profit Citizen Support Organization, Friends of Florida History, Inc., to discuss the site's management history. Mr. Slesnick put Director Lotane in touch with representatives at History Miami, the former site manager at the time the panels were printed (and currently listed on the panels as a partner). Director Lotane contacted communications staff of History Miami; they were able to search their files and found the original text and print files for the panels. These will need review and some updating of logos at the very least.

Discussion of the site and replacement of the panels is on the agenda of the next Friends of Florida History, Inc., meeting scheduled for January 26, 2:00-4:00pm. Brett and members of the Miami River Commission are welcome to attend virtually (contact Carl.Bryant-Martin@dos.myflorida.com for access to the webinar and agenda). We are proposing that the Friends group assist in raising funds for the new panels. Discussion will center on updating the interpretive signs including materials, copy, and funding; we will also update them on the other topics we discussed in Miami.

Additionally, while Alissa Lotane was in Miami, she learned that there are two, and perhaps even three, sources of laser scanned data for the Miami Circle, including perhaps data from Florida Public Archaeology Network, Archaeologist Bob Carr, and/or University of South Florida. Staff have not had time to track down the data, but this is positive news, as we would need the laser scan data to ever recreate any kind of representation of the Miami Circle on the site. Funding to build the replica would need to be secured in either a Legislative Budget Request or other private source for this to occur. Before a cost can be determined, research is needed into what materials will work best and last longest. Possibilities include epoxy to look like limestone with clear or colored epoxy poured into the solution holes (holes are a trip hazard), or there could be a flat concrete representation with an artist rendering of colors to show where the solution holes and artifacts were located and where a potential structure might have been. The Division has no current plans to complete the replica; this could potentially occur if funding is available in the next 3-5 years.

Security is a topic that we are open to discussing, but we are unable to pay for the full amount of security within our current budget. We would be open to a shared cost for security, at approximately 15-20% of the cost, but cannot commit at this time. We would like to have a follow up call in the next 2-3 months to discuss this and other items above.

Alissa Lotane
Director, Florida Division of Historical Resources &
State Historic Preservation Officer

IV) Preliminary Discussion Regarding Potential Winterfest Holiday Boat Parade on the Miami River

MRC member Mercedes Librada Rodriguez distributed the following outline:

Annual Miami River Boat Parade Monday February 6th, 2023

- 1) Creation of a Sub-Committee
- 2) Date – Suggestion Saturday December 9, 2023
- 3) Time – 5 PM Boat Parade and Fireworks
- 4) Length of Boat Parade and Map
- 5) Activities along the Miami River prior to Holiday Boat Parade
- 6) Parade Viewing Areas
- 7) Boat Parade Grand Marshall
- 8) Media Sponsor – Live Coverage
- 9) Sponsorship Packages
- 10) Event Invitation and Flyer Save the Date
- 11) Boat Entry Application and Fees with Liability Insurance Proof
 - A) Government vessels
 - B) Private Vessels
 - C) Charter Boats
 - D) Commercial Vessels
 - E) Non-for-Profit Vessels
 - F) Showboats Vessels
- 12) Judges Panel/Awards – Boat Sound, Boat Theme, Boat Holiday Lights, etc.
- 13) Bridge Closure
- 14) Volunteers

Spencer Crowley expressed support and offered to assist in obtaining permits and a sponsorship from FIND.

Mike Simpson stated his 15 years of direct experience participating in the FT :Lauderdale Winterfest Boat Parade, noted the magnitude of the logistics of a boat parade, and volunteered to assist.

Phil Everingham recommended seeking the necessary USCG and DERM permits first, to make sure the potential boat parade is permissible.

The MRC agreed to create a Boat Parade Subcommittee, which will host publicly noticed meetings.

V) New Business

The public meeting adjourned.

Miami River Commission Public Meeting

February 6, 2023 - Noon

Miami-Dade County Library, 101 W Flagler ST

Name	Organization	Telephone	Email
L. Isalgue	resident	786-597-8067	louisdesisalgue@gmail.com
Brett Bibeau	MRC	305 644 0544	bibeau@gmail.com
Allen Matis	Miami Riverbridge	786-498-5559	allen@matisassociates.com
Mihaela Dragan	Miami Realty	630-330-8903	
Cecilia Hall	Sallye Jude	305 297-5821	ceciliajordan@gmail.com
Peter Jude	" - "	305-321-7947	PeteTJude@gmail.com
Donny Wolke	City of Miami	3/282-3547	dwolke@miamigov.com
Martin Culver	self	3/375-3213	Martinculver@gmail.com
Ed Marks King	BCLDS-Higgins	3/213-0118	eddie@miamibclparks.com
ANN [unclear]	[unclear]	305 588 4214	annking@gmail.com
John Cornwell	MRC	(580) 214-1475	johncornwell@erdc.com
Tom Kimer	MRC	(305) 992-4590	TKIMER3@aol.com
PATRICIA HARRIS	MRC	305.262.3763	PATTYKAK@GMAIL.COM
Mike Simpson	MRC	786-402-2964	mike@islandqueer.com
BRUCE BROWN	MRC	305/788-6441	bruceb2@bellsouth.net
Neal Schofers	Miami DDA	305-379-6656	schofers@miamidda.com
MEGAN KELLY	Office Mayor Suarez		Megankelly069@gmail.com

Miami River Commission Public Meeting

February 6, 2023 - Noon

Miami-Dade County Library, 101 W Flagler ST

Name

Organization

Telephone

Email

Mark Butler

Miami River Main Group

305 777-7777

mark@miamirivermaingroup.org

PHIL EVERINGTON

MDC/MARINE COUNCIL

305 951-9096

pbensdd@hotmail.com

Nancy Jackson

RIDL OOR

786-747-1977

Nancy.jackson@miamidade.gov

Miami River Commission's Stormwater Subcommittee Public Virtual Workshop Minutes December 7, 2022

The Miami River Commission (MRC) Stormwater Subcommittee's quarterly virtual workshop convened at 10 AM on December 7, 2022. Attendees included Anita Nash, FDEP, Ely Estevez, City of Miami, Omar Abdelrahman and Juliet Ruggiero, DERM, Patty Harris, MRC, and Brett Bibeau, MRC Managing Director.

I. "Miami River Basin Water Quality Improvement Plan" Agency Quarterly Implementation Progress Reports – Mr. Omar Abdelrahman, Miami Dade County's Department of Environmental Resource Management's (DERM) provided a report covering July – September 2022. The most alarming water quality violation was detected at Wagner Creek testing station WC04 in July had E-coli. of 39,700 (cfu/100ml) when the safe water quality standard is only 410 (cfu/100ml).

II. Update Regarding "Vacuum Truck, Street Sweepers, and Scavenger Water Decontamination Vessel" Grant Application to FDEP

MRC Director Bibeau thanked FDEP for awarding the MRC's submitted application for \$600,000 in grant funding from the State's FY 22-23's \$20 million for improving water quality in the Biscayne Bay Aquatic Preserve, by increasing frequency of vacuum truck services in stormwater manholes along the Miami River (\$300,000), landside garbage pickups (\$165,000), street sweeper truck (\$100,000) and Scavenger Water Decontamination Vessel services (\$35,000) along the Miami River. The stormwater system was identified as a source of pollution in the County's recent helpful Miami River Water Quality Assessment, which was reviewed during the MRC Stormwater Subcommittee's June quarterly public virtual workshop.

The MRC SSC's next quarterly virtual workshop will be March 1, 2023, 10 AM.

The virtual workshop adjourned.



**Miami-Dade Legislative Item
File Number: 991003**

[Print this page](#)

File Number: 991003	File Type: Resolution	Status: Adopted
Version: 0	Reference: R-448-99	Control: County Commission
File Name: MIAMI RIVER COMMISSION	Cost:	Introduced: 4/20/1999
Requester: NONE		Final Action: 4/27/1999
Agenda Date: 4/27/1999		Agenda Item Number: 9A3

Notes:
Title: RESOLUTION AMENDING RESOLUTION R-156-99 REQUESTING INPUT FROM THE MIAMI RIVER COMMISSION BEFORE THE MIAMI-DADE COUNTY BOARD OF COMMISSIONERS CONSIDERS A RESOLUTION OR ORDINANCE IMPACTING THE MIAMI RIVER

Indexes: MIAMI RIVER	Sponsors: Bruno A. Barreiro ,Prime Sponsor
Sunset Provision: No	Effective Date:
	Expiration Date:
Registered Lobbyist: None Listed	

LEGISLATIVE HISTORY

Acting Body	Date	Agenda Item	Action	Sent To	Due Date	Returned	Pass/Fail
Board of County Commissioners	4/27/1999	9A3	Adopted				P
County Attorney	4/20/1999		Assigned	Peter S. Tell			

LEGISLATIVE TEXT

TITLE

RESOLUTION AMENDING RESOLUTION R-156-99 REQUESTING INPUT FROM THE MIAMI RIVER COMMISSION BEFORE THE MIAMI-DADE COUNTY BOARD OF COMMISSIONERS CONSIDERS A RESOLUTION OR ORDINANCE IMPACTING THE MIAMI RIVER

BODY

WHEREAS, the Florida Legislature recently established the Miami River Commission as the official coordinating clearinghouse for all public policy and projects related to the Miami River to unite all governmental agencies, businesses, and residents in the area to speak with one voice on river issues; and
 WHEREAS, the Miami-Dade County Commission would benefit from the Miami River Commission's expertise when considering environmental, economic, social, recreational and aesthetic issues related to the improvement of the Miami River and surrounding areas,
 NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that the Miami-Dade County Commission shall request official input from the Miami River Commission before considering any resolution or ordinance concerning environmental, economic, social, recreational and aesthetic issues related to the Miami River and surrounding areas. The provisions of this resolution shall not apply to any quasi-judicial matter.

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No.

ORDINANCE NO. _____

ORDINANCE RELATING TO ZONING IN THE UNINCORPORATED AREA; AMENDING SECTION 33-284.99.59 OF THE CODE OF MIAMI-DADE COUNTY, FLORIDA; REVISING PALMER LAKE METROPOLITAN URBAN CENTER ZONING DISTRICT REGULATIONS PERTAINING TO RESIDENTIAL USES ON LOTS ADJOINING THE MIAMI RIVER IN THE RIVERSIDE SUB-DISTRICT; PROVIDING SEVERABILITY, INCLUSION IN THE CODE, AND AN EFFECTIVE DATE

WHEREAS, on May 7, 2013, the Board adopted Ordinance No. 13-43, establishing the Palmer Lake Metropolitan Urban Center (PLMUC) zoning district to implement Comprehensive Development Master Plan (“CDMP”) policies to coordinate development intensity with proximity to transit while also maintaining and coordinating marine activity on the Miami River in this area; and

WHEREAS, on November 11, 2022, the Board adopted Ordinance No. 22-145, expanding the ability to develop affordable or workforce housing units within certain portions of the PLMUC while also ensuring consistency with CDMP policies encouraging marine activities in the relevant area; and

WHEREAS, as set forth in section 33-193.4 of the County Code, the County has long experienced a “shortage of housing affordable to individuals and families of moderate incomes, particularly those whose earnings range from 60 percent up to 140 percent of the County’s median income, the ‘workforce target income group[,]’” which “includes many public employees and others employed in key occupations that support the local community,” and “the high cost and short supply of housing affordable to persons and families of moderate income mean that many employees in the workforce target income group cannot afford to live in Miami-Dade County”; and

WHEREAS, Miami-Dade County continues to experience a significant shortage of safe and stable affordable and workforce rental and homeownership units; and

WHEREAS, accordingly, this Board wishes to expand the ability to develop affordable or workforce housing units within the PLMUC to include lots adjoining the Miami River under certain circumstances; and

WHEREAS, the Miami River Commission was established by the Florida Legislature as the official coordinating clearinghouse for all public policy and projects related to the Miami River to unite all governmental agencies, businesses, and residents in the area to speak with one voice on river issues; and

WHEREAS, pursuant to Resolution No. R-448-99, the Board shall request official input from the Miami River Commission before considering any resolution or ordinance concerning environmental, economic, social, recreational, and aesthetic issues related to the Miami River and surrounding areas; and

WHEREAS, this Board has requested such input from the Miami River Commission regarding the provisions of this ordinance,

BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA:

Section 1. The foregoing recitals are incorporated herein and are approved.

Section 2. Section 33-284.99.59 of the Code of Miami-Dade County, Florida, is hereby amended to read as follows:¹

¹ Words stricken through and/or [[double bracketed]] shall be deleted. Words underscored and/or >>double arrowed<< constitute the amendment proposed. Remaining provisions are now in effect and remain unchanged.

Sec. 33-284.99.59. Uses.

No land, body of water and/or structure shall be used or permitted to be used, and no structure shall be hereafter erected, constructed, reconstructed, moved, occupied, or maintained for any purpose in Palmer Lake Metropolitan Urban Center District except for one (1) or more of the following uses. All uses are subject to the airport safety uses and height restrictions provided in Section 33-336 of this chapter. The uses delineated herein shall be permitted only in compliance with the development parameters provided in Section 33-284.99.60 of this article. Water-dependent uses delineated herein shall be subject to the permit requirements of Chapter 24 of this Code and be consistent with the Coastal Management Element of the Comprehensive Development Master Plan.

* * *

(B) Permitted uses in the Riverside Sub-District shall be as follows:

* * *

(4) The additional uses listed below shall be permitted only in conjunction with one or more of the following water-dependent uses occurring on the same lot: marinas; marine terminals, passenger, freight; boat slips for the purpose of repair; boat and yacht repair, overhaul, manufacturing; shipyards. An annual certificate of use shall be required for the water dependent use when built as part of a mixed-use development that includes one of the uses listed in paragraphs (i) through (iii) below. Development shall comply with the waterfront setback and access requirements set forth in Section 33-284.99.60(B)(4)(b). The following additional uses shall be permitted only when the Director determines that such use: will not have an adverse impact on operation of the Port of the Miami River; will not substantially reduce or inhibit existing public access to marine or tidal waters; and will not interfere with the activities or operation of adjacent water-dependent uses or significantly impede access to vessel berthing or other access to the water by water-dependent uses.

* * *

- iii. On lots adjoining the Tamiami Canal, residential uses shall be permitted only above the ground story and where limited to less than 50 percent of the building gross floor area on the same lot, except that the following uses shall not be subject to the foregoing limitations on story and gross floor area:
 - a. hotels, motels, and apartment hotels; and
 - b. residential developments, up to a maximum of 250 dwelling units per acre, that maintain a minimum of 12.5 percent of their units as workforce housing units on site.

>>iv. On lots adjoining the Miami River, residential uses shall be permitted only above the ground story, up to a maximum of 250 dwelling units per acre, provided that such developments maintain a minimum of 12.5 percent of their units as workforce housing units on site.<<

* * *

Section 3. If any section, subsection, sentence, clause or provision of this ordinance is held invalid, the remainder of this ordinance shall not be affected by such invalidity.

Section 4. It is the intention of the Board of County Commissioners, and it is hereby ordained that the provisions of this ordinance, including any sunset provision, shall become and be made a part of the Code of Miami-Dade County, Florida. The sections of this ordinance may be renumbered or relettered to accomplish such intention, and the word "ordinance" may be changed to "section," "article," or other appropriate word.

Section 5. This ordinance shall become effective ten (10) days after the date of enactment unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

PASSED AND ADOPTED:

Approved by County Attorney as
to form and legal sufficiency: _____

Prepared by: _____

James Eddie Kirtley
Dennis A. Kerbel

Prime Sponsor: Commissioner Kevin Marino Cabrera

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

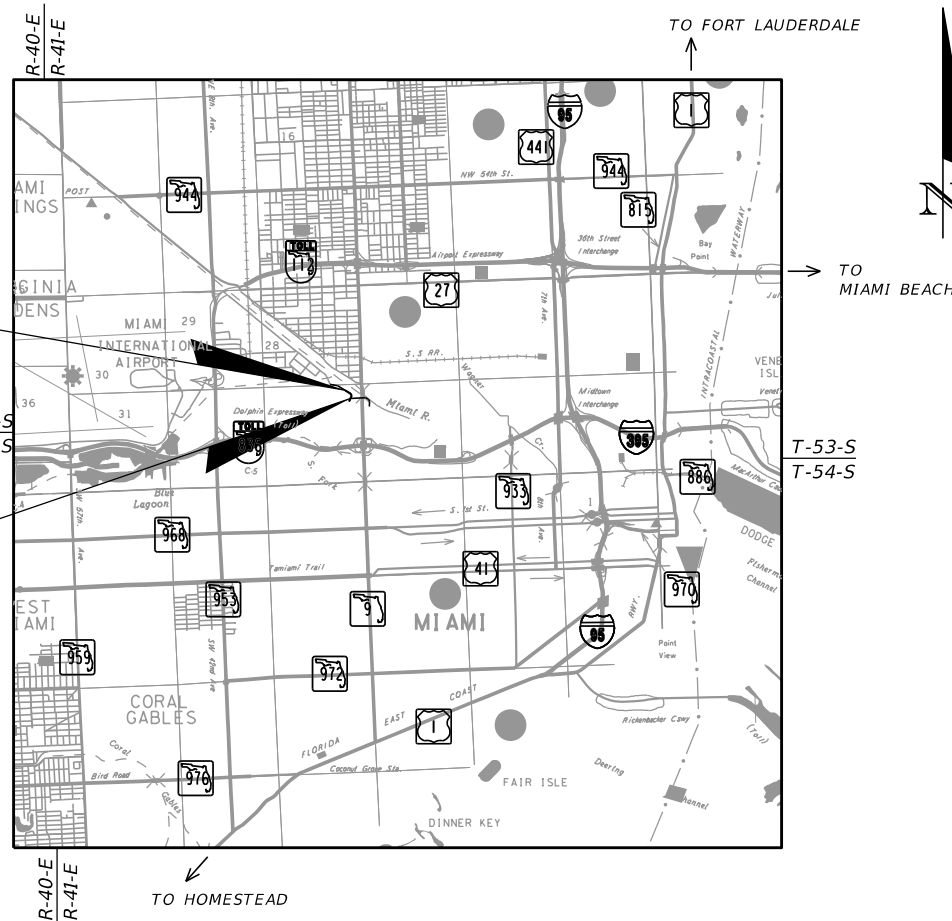
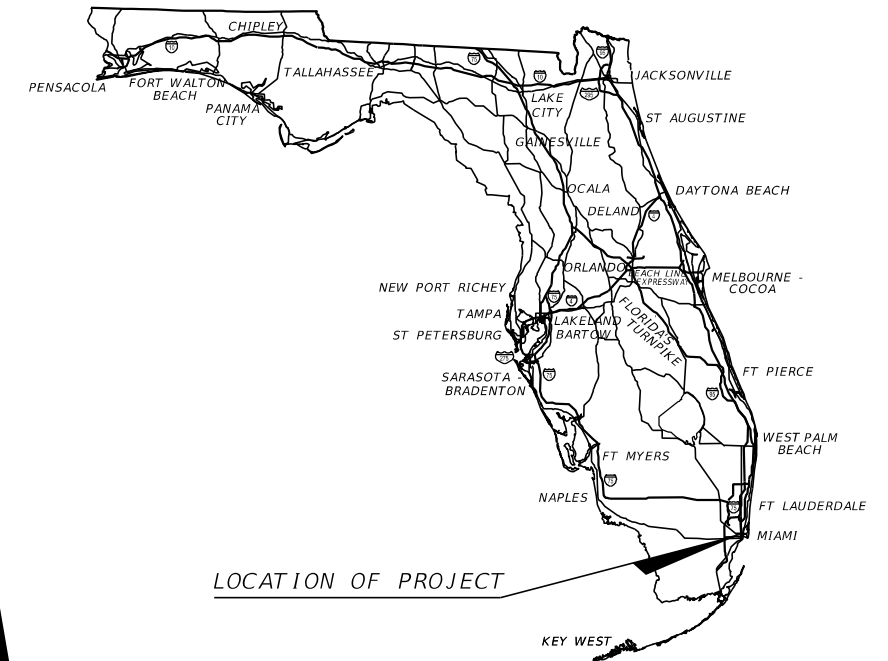
FINANCIAL PROJECT ID 428327-3-72-01

MIAMI-DADE COUNTY

NW S. RIVER DRIVE AT NW 18th TERR.
ROADWAY RECONSTRUCTION & OUTFALL REPAIR

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTIONS
4	SUMMARY OF DRAINAGE STRUCTURES
5	OPTIONAL MATERIALS TABULATION
6	GENERAL NOTES
7	ROADWAY PLAN
8	ROADWAY PROFILE
9	DRAINAGE STRUCTURES
10-11	SPECIAL DETAILS
12	CROSS SECTIONS
13-14	TEMPORARY TRAFFIC CONTROL PLANS
15	SIGNING & PAVEMENT MARKING PLAN
SQ-1 - SQ-4	SUMMARY OF QUANTITIES



END PROJECT
STA. 102+96.00 @ NW S. RIVER DR.

BEGIN PROJECT
STA. 100+80.00 @ NW S. RIVER DR.

LOCATION OF PROJECT

ROADWAY PLANS
ENGINEER OF RECORD:
ALEJANDRO A. LEON, P.E.
P.E. NO.: 74675
CHA Consulting, Inc.
8935 NW 35th LANE, SUITE 200
DORAL, FLORIDA 33172
(305) 592-7283 / fax: (305) 593-1594
CONTRACT NO.: C-A038
VENDOR NO.: 160966259

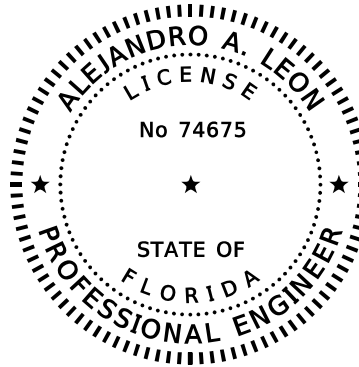
FDOT PROJECT MANAGER:
NATHANIEL PULIDO, P.E.

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY2022-23 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/design/Standardplans.shtm>

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	23	1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

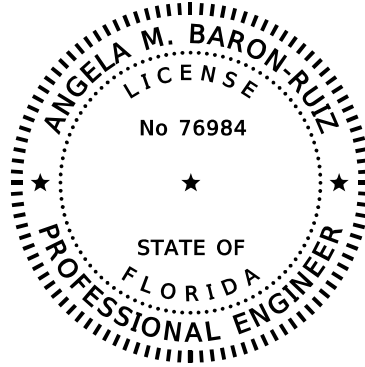
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CHA Consulting, Inc.
8935 NW 35TH LANE, SUITE 200
DORAL, FL 33172
ALEJANDRO A. LEON, P.E. No. 74675

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004. F.A.C.

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTIONS
6	GENERAL NOTES
7	ROADWAY PLAN
8	ROADWAY PROFILE
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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

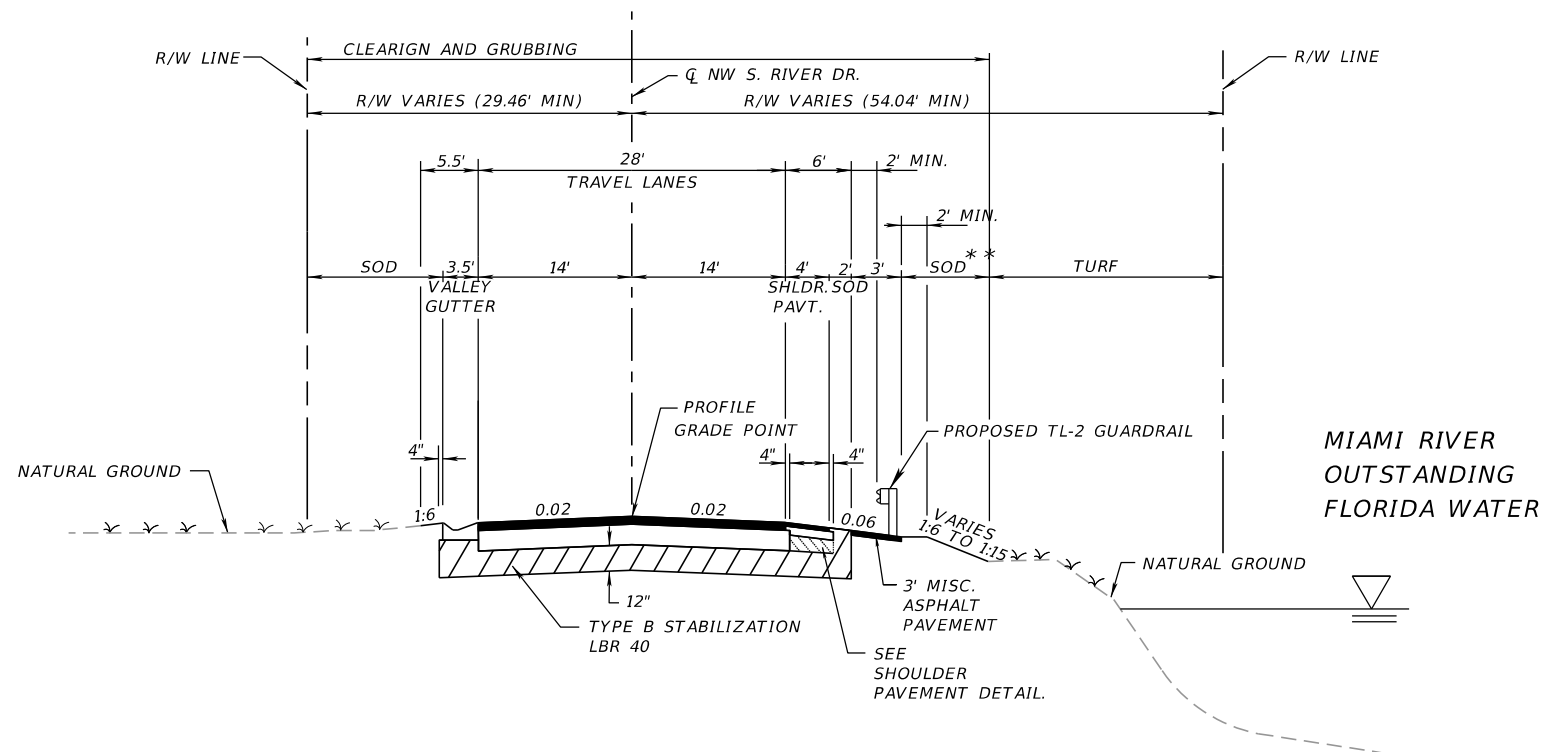
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CHA Consulting, Inc.
8935 NW 35TH LANE, SUITE 200
DORAL, FL 33172
ANGELA M. BARON-RUIZ, P.E. NO. 76984

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004. F.A.C.

SHEET NO.	SHEET DESCRIPTION
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4	SUMMARY OF DRAINAGE STRUCTURES
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10-11	SPECIAL DETAILS
SQ-4	SUMMARY OF QUANTITIES

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							MIAMI-DADE	428327-3-72-01	SIGNATURE SHEET 2



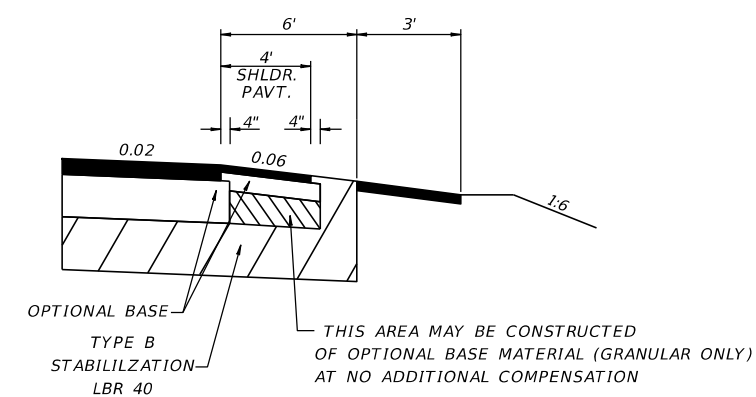
MIAMI RIVER
OUTSTANDING
FLORIDA WATER

NOTES:

- * MILLING & RESURFACING FROM STA. 100+80.00 TO STA. 101+10.00 AND STA. 102+22.00 TO STA. 102+96.00
- ** ARTICULATED BLOCK RETEMENT FROM STA. 101+52.32 TO STA. 102+00.55

**TYPICAL SECTION
STA. 100+80.00 TO STA. 102+96.00**

- TRAVEL LANES**
- OPTIONAL BASE GROUP 8 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")
- SHOULDER PAVEMENT**
- OPTIONAL BASE GROUP 1 WITH FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")
- MILLING ***
- MILL EXISTING ASPHALT PAVEMENT (1 1/2" Avg. Depth)
- RESURFACING ***
- FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")



SHOULDER PAVEMENT DETAIL

TRAFFIC DATA

DESIGN SPEED = 20 MPH

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							MIAMI-DADE	428327-3-72-01	3
TYPICAL SECTIONS									

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL TYPE		STRAIGHT CONCRETE ENDWALL (EA)	MANATEE GRATE (EA)	REMARKS
						ROUND SHAPE				
						18"	33			
P	S-1	101+77.20	RT	ENDWALL - PIPE			18"	1	1	
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F										
SHEET TOTALS -				<u>PLAN QUANTITY</u> <u>FINAL QUANTITY</u>	33		1	1		
GRAND TOTALS -				<u>PLAN QUANTITY</u> <u>FINAL QUANTITY</u>	33		1	1		

DATE		DESCRIPTION		DATE		DESCRIPTION		ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES		SHEET NO.	
ANGELA M. BARON-RUIZ P.E.			LICENSE NUMBER 76984			CHA CONSULTING, INC.			8935 NW 35TH LANE, SUITE 200			DORAL, FL 33172					4
ROAD NO.		COUNTY		FINANCIAL PROJECT ID			MIAMI-DADE		428327-3-72-01								

OPTIONAL MATERIALS SYSTEMS

STRUCTURE	SIZE (IN)	MATERIAL	PLOTTED	AS BUILT	REMARKS
ALL	18"	NRCP, CLASS I			STORM DRAIN
		SRAP (16 GA)			
		HDPE, CLASS II	X		
		PP, CLASS II			
		PVC ASTM F-949			

REVISIONS			ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OPTIONAL MATERIAL TABULATION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	5		
				ANGELA M. BARON-RUIZ P.E. LICENSE NUMBER 76984 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		MIAMI-DADE	428327-3-72-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

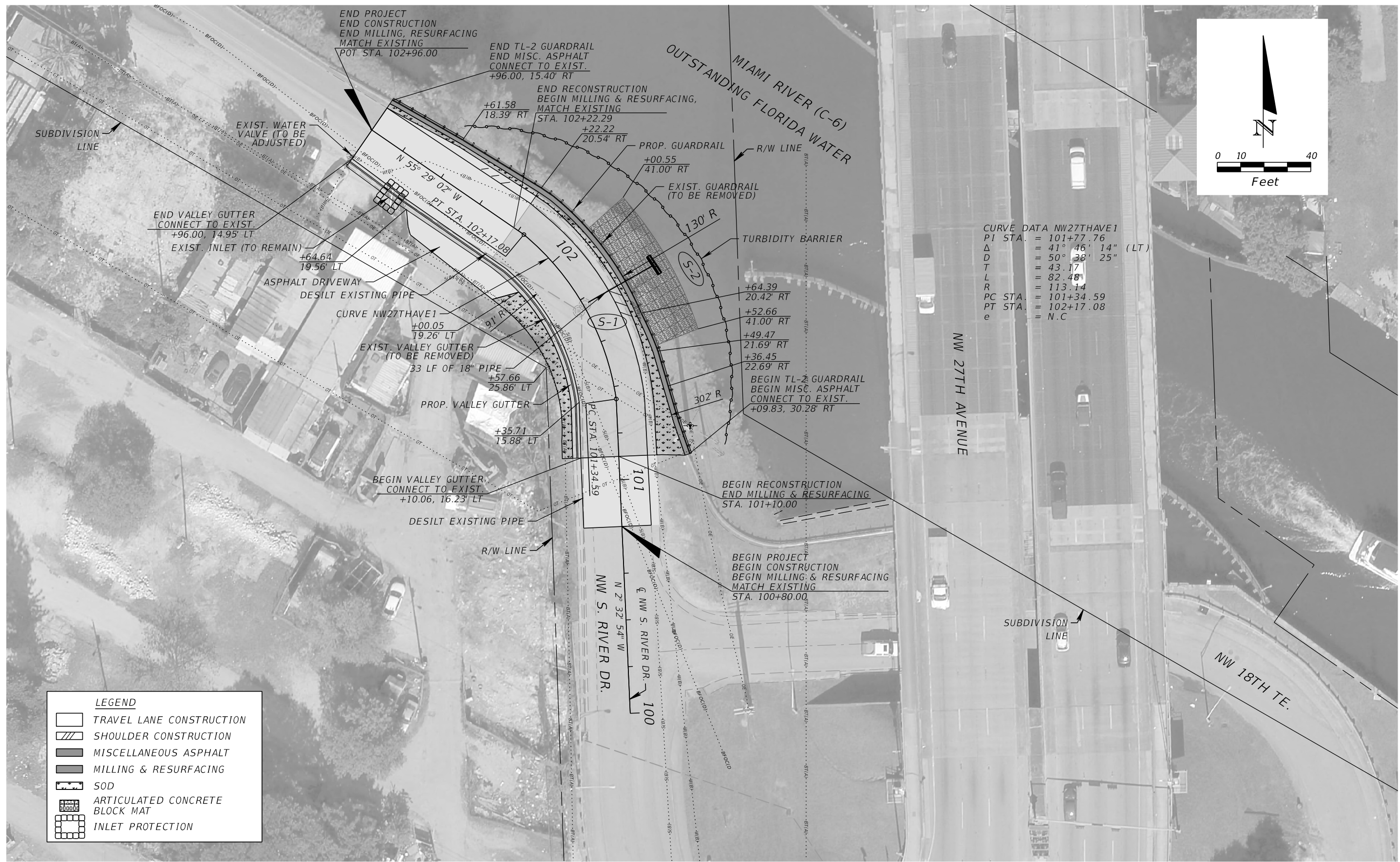
GENERAL:

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE: NAVD 88.
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

 FDOT District 6
 Department of Survey & Mapping
 1000 N.W. 111 Avenue, Miami, Florida 33172
 TELEPHONE: (305) 470-5197
3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH, VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS / ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
4. UTILITY AGENCY / OWNERS:

COMPANY	CONTACT	TELEPHONE NUMBERS
AT&T DISTRIBUTION	DINO FARUGIO	(954) 260-0615
COMCAST CABLE	RICARDO DAVIDSON	(754) 221-1322
CROWN CASTLE	DANNY HASKETT	(786) 610-7073
FLORIDA CITY GAS	GUSTAVO PENA	(786) 810-3618
FPL DISTRIBUTION	EDGAR AGUILAR	(954) 695-1768
CENTURY LINK	HEATHER BLACKBURN	(954) 695-1768
MCI/ VERIZON	JOHN HANSON	(786) 412-7878
MIAMI-DADE WASD	LAZARO GUERRA	(786) 552-4416
5. ARTICULATED CONCRETE BLOCK MATTRESS SYSTEM PER SFWMD SPECIFICATION 02277.
6. EXCAVATION & BACKFILLING PER SFWMD SPECIFICATION 02220.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		6
									MIAMI-DADE	428327-3-72-01

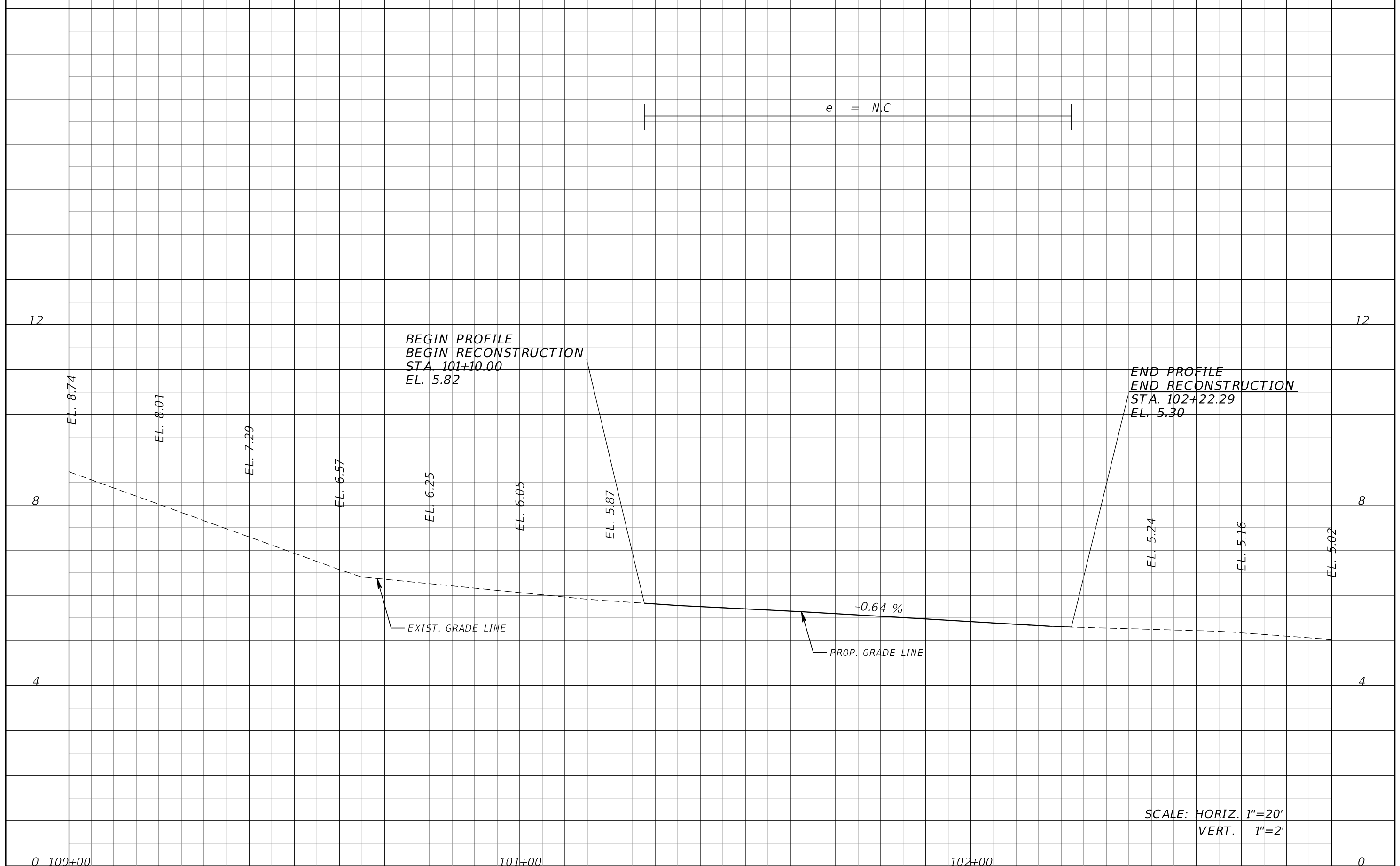


LEGEND

	TRAVEL LANE CONSTRUCTION
	SHOULDER CONSTRUCTION
	MISCELLANEOUS ASPHALT
	MILLING & RESURFACING
	SOD
	ARTICULATED CONCRETE BLOCK MAT
	INLET PROTECTION

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					MIAMI-DADE	428327-3-72-01	7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



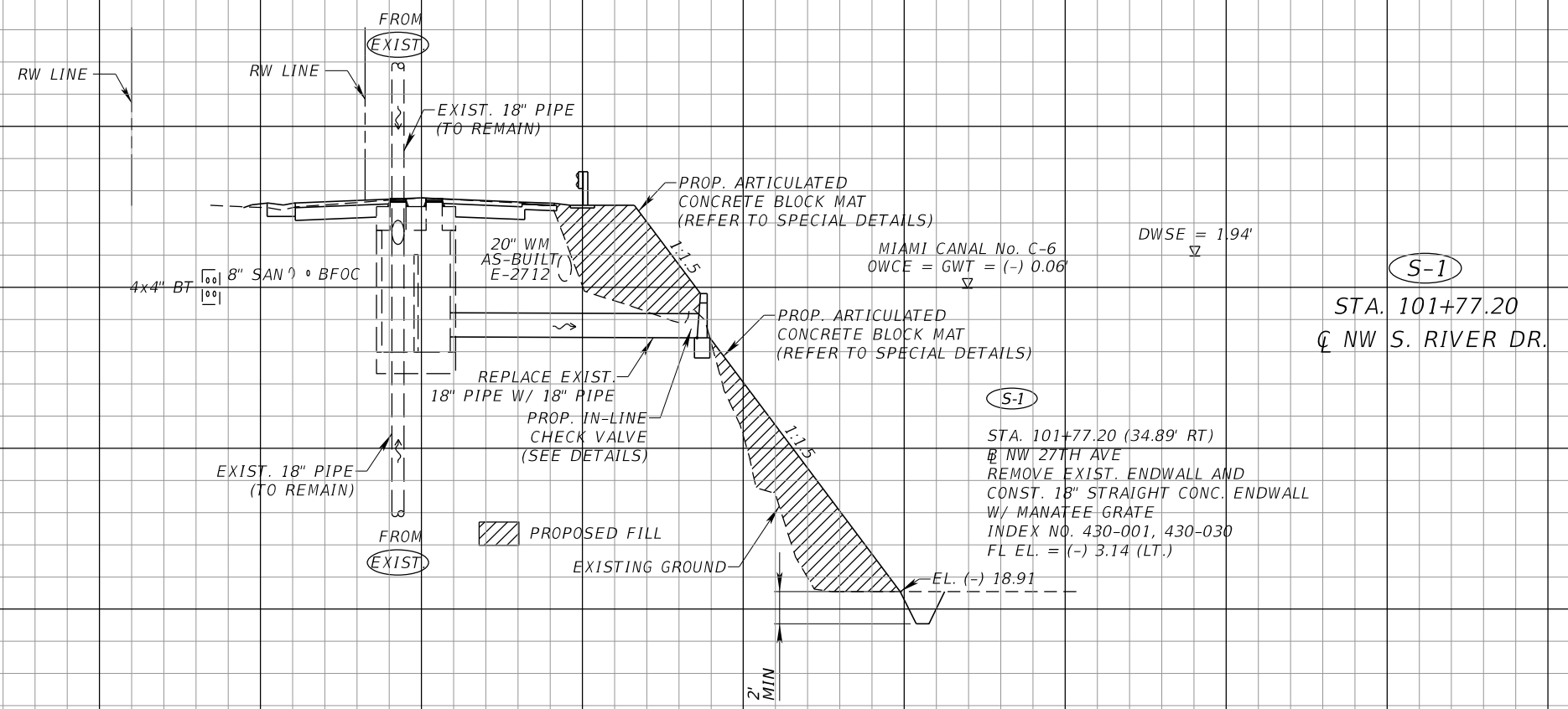
SCALE: HORIZ. 1"=20'
VERT. 1"=2'

0 100+00		101+00		102+00		0		
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172				
				ROAD NO.	COUNTY			FINANCIAL PROJECT ID
						MIAMI-DADE	428327-3-72-01	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

☐ NW S. RIVER DR.

10
5
0
-5
-10
-15



(S-1)
STA. 101+77.20
☐ NW S. RIVER DR.

(S-1)
STA. 101+77.20 (34.89' RT)
☐ NW 27TH AVE
REMOVE EXIST. ENDWALL AND
CONST. 18" STRAIGHT CONC. ENDWALL
W/ MANATEE GRATE
INDEX NO. 430-001, 430-030
FL EL. = (-) 3.14 (LT.)

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

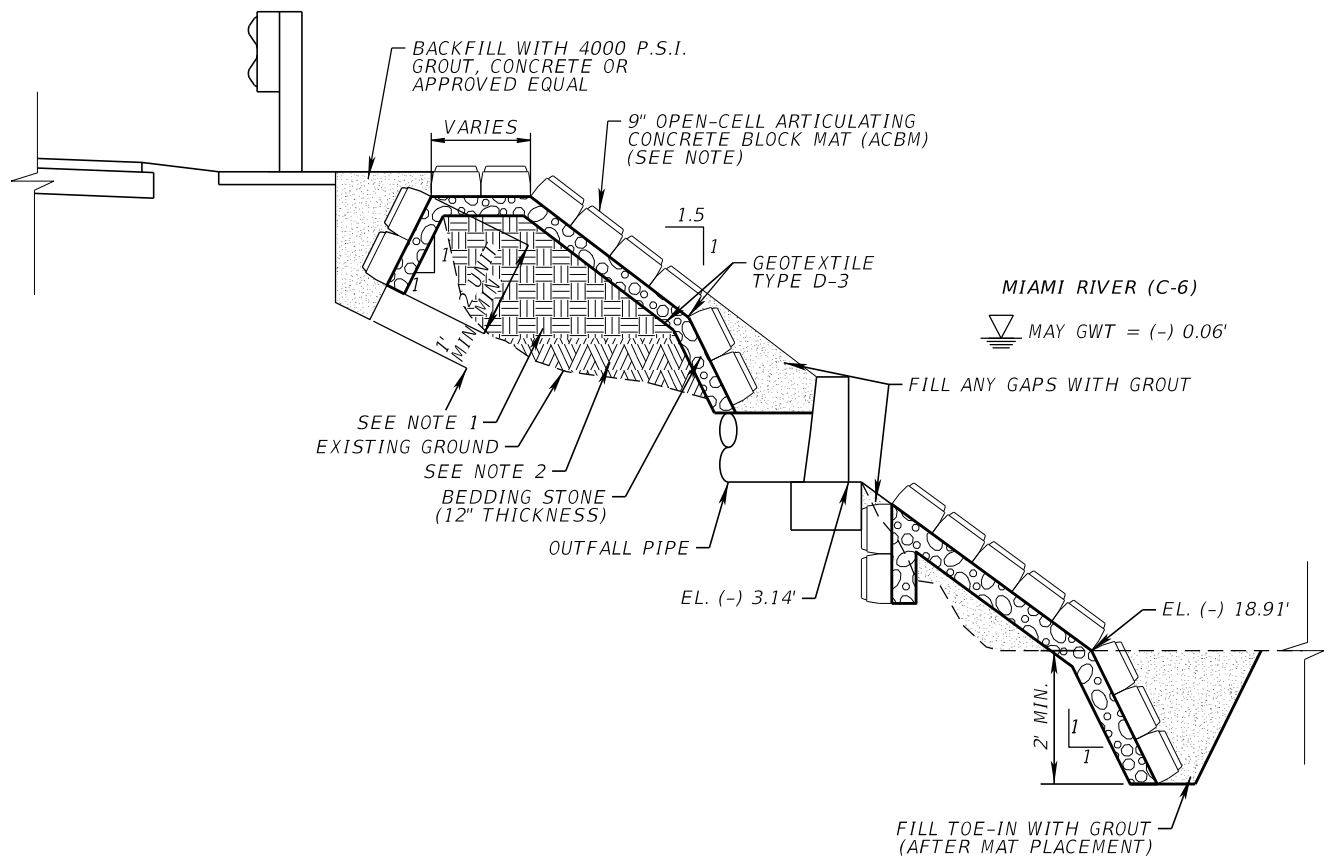
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ANGELA M. BARON-RUIZ P.E. LICENSE NUMBER 76984 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							MIAMI-DADE	428327-3-72-01	

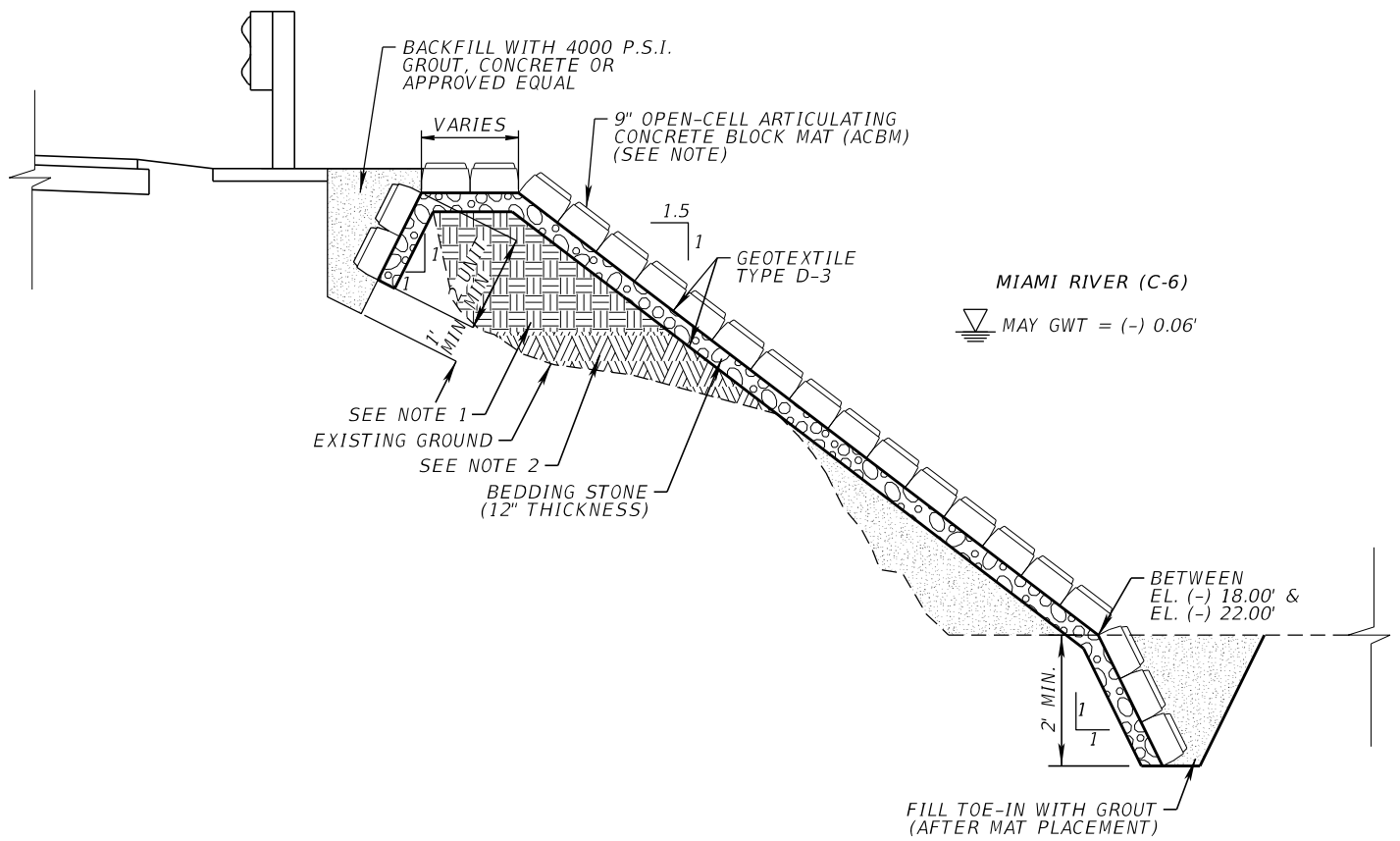
DRAINAGE STRUCTURES

9

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ENDWALL/MAT
INTERACTION DETAIL
N.T.S.



TYPICAL PLACEMENT
ON CANAL BANK
N.T.S.

APPLIES TO STA. 101+52.66 TO STA. 102+00.55

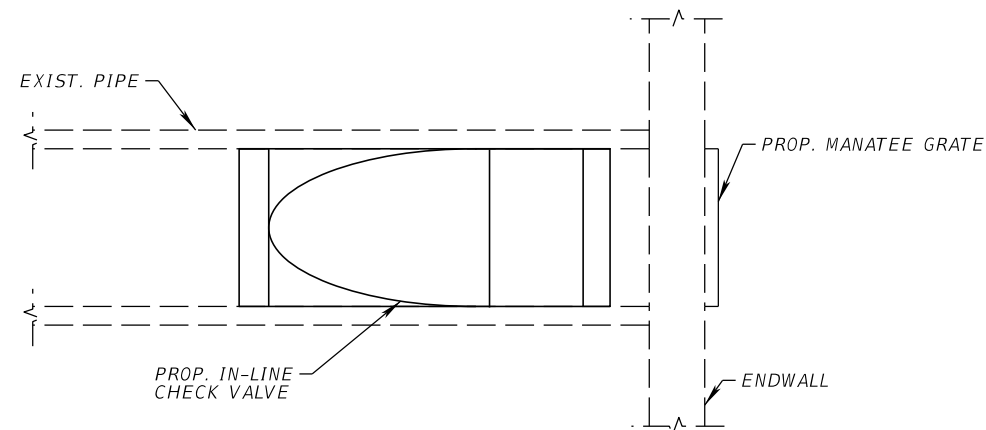
NOTES:

1. FOR FILLING ABOVE THE WATER TABLE USE SUITABLE MATERIALS CONSISTING OF A MIXTURE OF SAND AND LIMEROCK WITH A 3" MAXIMUM SIZE, FINES CONTENT LESS THAN 12 PERCENT, 12-INCH LIFTS, HAVING A LBR OF AT LEAST 40 MAY BE USED AND COMPACTED TO AT LEAST 98 PERCENT OF THE MAXIMUM DRY DENSITY (WHEN MATERIAL IS 1 FOOT ABOVE THE WATER TABLE) AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557).
2. FOR FILLING BELOW THE WATER TABLE, USE WELL-GRADED CRUSHED LIMESTONE (GP, GW) OR NO. 57 STONE (FDOT #57 COARSE AGGREGATE) INORGANIC, NON-PLASTIC, AND FREE OF DEBRIS.
3. ACBM SHALL INTERCONNECTED AND ATTACHED IN TWO DIRECTIONS WITH STAINLESS STEEL REVETMENT CABLE.

ARTICULATED CONCRETE BLOCK MAT
N.T.S.

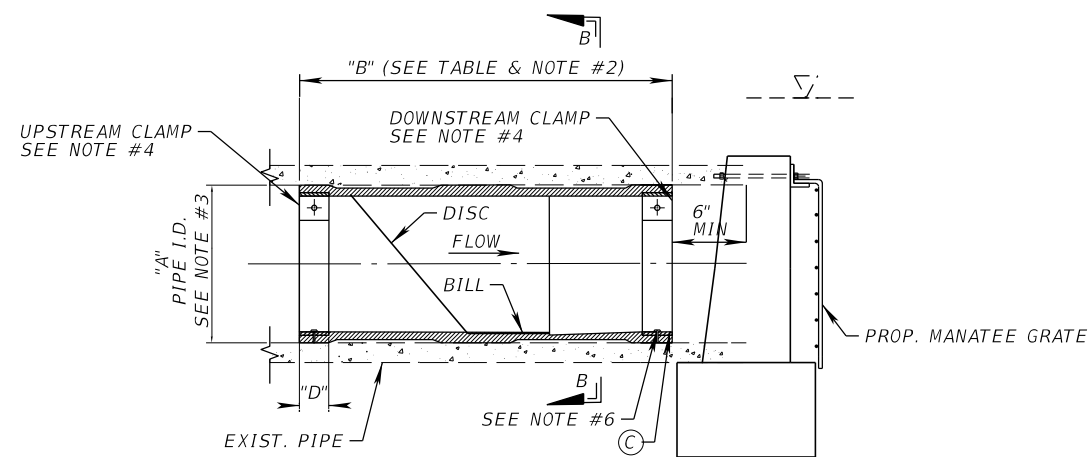
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ANGELA M. BARON-RUIZ P.E. LICENSE NUMBER 76984 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							MIAMI-DADE	428327-3-72-01	SPECIAL DETAILS 10

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

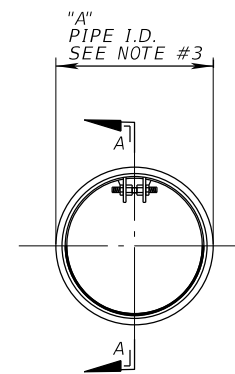


PLAN
(N.T.S.)

MATERIALS OF CONSTRUCTION (SEE NOTE #1)	BODY	FABRIC REINFORCED NEOPRENE		
	CLAMP	STAINLESS STEEL 304		
DIMENSION TABLE				
"A" NOMINAL PIPE SIZE I.D.	"B" O.A.L. (SEE NOTE #2)	"C" # CLAMPS	"D" CUFF DEPTH	BACK PRESSURE RATING (FEET)
18"	36.5"	1	8"	20



SECTION A-A
(N.T.S.)



SECTION B-B
(N.T.S.)

PAY ITEM NOTES:

1. ALL COST OF MATERIALS AND LABOR FOR THE IN-LINE CHECK VALVE SHALL BE UNDER PAY ITEM 430-880-01.

NOTES:

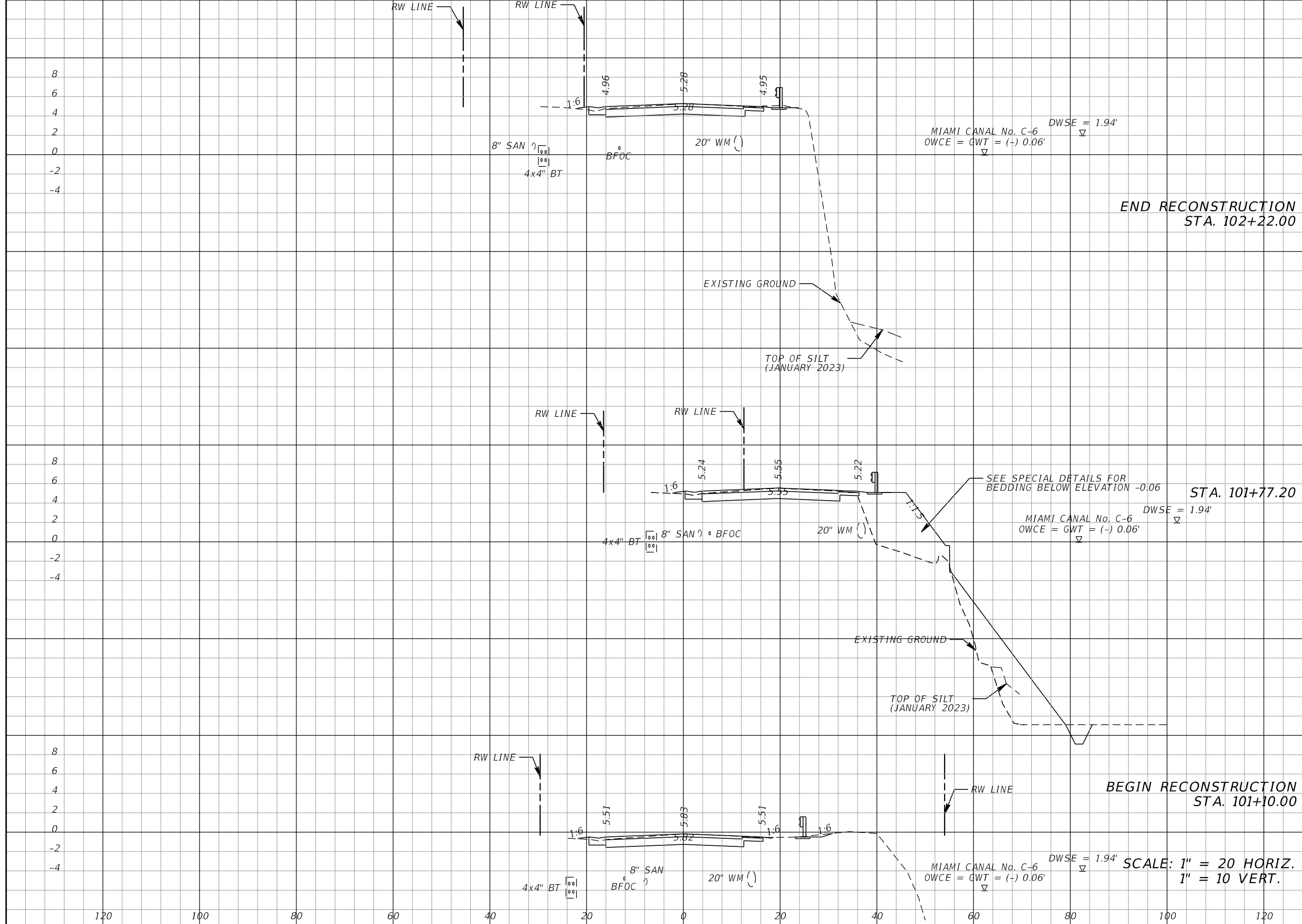
1. OTHER ELASTOMERS AND CLAMP MATERIALS ARE AVAILABLE.
2. SPECIFY UPSTREAM CLAMP OR DOWNSTREAM CLAMP
3. LOCATION OF CLAMP(S) IS BASED ON INSTALLATION ORIENTATION.
4. IT IS RECOMMENDED TO BOLD OR PIN MUDCAT TO PIPE A MINIMUM OF 2 PLACES WITH PREDRILLED HOLES IN CLAMP(S).
5. DETAILS AND INFORMATION INCLUDED IN THIS SHEET ARE BASED ON 'TIDEFLEX CHECKMATE' IN-LINE CHECK VALVE SPECIFICATIONS.
6. CONTRACTOR TO PROVIDE MANUFACTURER'S SPECIFICATIONS FOR CHECK VALVES OTHER THAN 'TIDEFLEX' BRAND THAT ARE TO BE USED IN THIS PROJECT.

INSTALLATION PROCEDURES - DOWNSTREAM END EXPANDING RING

- FROM OUTFALL END - PLACE VALVE INTO PIPE
- PUSH IN UNTIL THE DOWNSTREAM CUFF/RING IS INSIDE THE PIPE
- CONFIRM PIPE IS COMPLETELY AROUND CHECKMATE
- EXPAND FACTORY FURNISHED RING - IT HAS A TURNBUCKLE LIKE MECHANISM FOR EXPANDING.
- EXPANDING RING HAS PILOT HOLES - DRILL THROUGH PILOT HOLE INTO PIPE.
INSTALL STAINLESS STEEL WEDGE ANCHORS TO LOCK CHECKMATE VALVE IN PLACE.

**IN-LINE CHECK VALVE
N.T.S.**

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPECIAL DETAILS	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION	ANGELA M. BARON-RUIZ P.E. LICENSE NUMBER 76984 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								MIAMI-DADE	428327-3-72-01		



Regular		Exc.		Embankment	
A	V	A	V	A	V
67			7		
	135			310	
79			327		
	136			311	
67			8		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
 ALEJANDRO A. LEON P.E.
 LICENSE NUMBER 74675
 CHA CONSULTING, INC.
 8935 NW 35TH LANE, SUITE 200
 DORAL, FL 33172

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MIAMI-DADE	428327-3-72-01

SCALE: 1" = 20 HORIZ.
 1" = 10 VERT.

CROSS SECTIONS

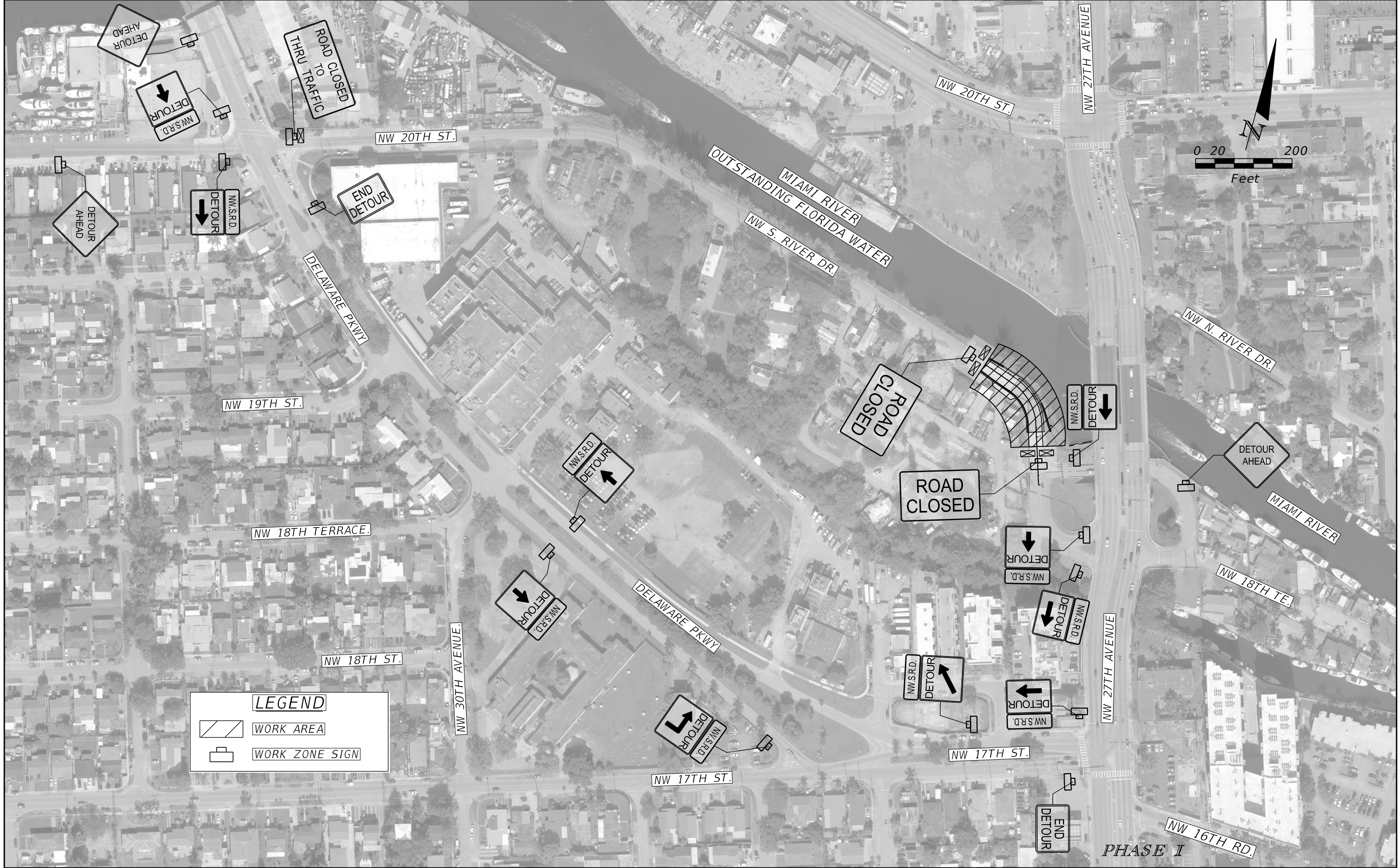
SHEET NO.
 12

TRAFFIC CONTROL NOTES

GENERAL:

1. THE PERMANENT ROADWAY CLOSURE AND DETOUR MAP SHOWN IN PHASE I SHALL BE USED FOR ALL CONSTRUCTION OPERATIONS
2. NO CONSTRUCTION ACTIVITIES SHALL BE PERFORMED FROM: 8:00 PM TO 8:00 AM.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		13
							MIAMI-DADE	428327-3-72-01		



LEGEND	
	WORK AREA
	WORK ZONE SIGN

REVISIONS	
DATE	DESCRIPTION

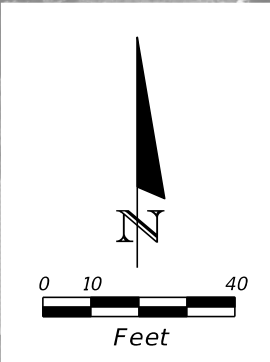
ENGINEER OF RECORD
 ALEJANDRO A. LEON P.E.
 LICENSE NUMBER 74675
 CHA CONSULTING, INC.
 8935 NW 35TH LANE, SUITE 200
 DORAL, FL 33172

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MIAMI-DADE	428327-3-72-01

**TEMPORARY TRAFFIC
CONTROL PLANS**

SHEET NO.
14

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SIGNING & PAVEMENT MARKING PLAN	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	15
							MIAMI-DADE		428327-3-72-01	

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101 1	MOBILIZATION		1		

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS									
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE 1 STAGE 1			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS	60					60 CONSTRUCTIONS DAYS	
0102 60	WORK ZONE SIGN	ED	60	18	1,080	1,080			
0102 74 1	CHANNELIZING DEVICE - TYPES I, II, DI, VP & DRUM OF LCD	ED	60	20	1,600	1,600			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	74	10	740	740		INCLUDE 2 WEEKS PRIOR TO CONSTRUCTION	
0102 115	TYPE III BARRICADE	ED	60	4	240	240			

SUMMARY OF LITTER REMOVAL AND MOWING																					
CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1						MOWING 0107 2						DESIGN NOTES	CONSTRUCTION REMARKS			
					AREA ID	L	W	CYCLES	AREA		AREA ID	L	W	CYCLES	AREA						
									AC/CYCLE	TOTAL (AC)					AC/CYCLE	TOTAL (AC)					
					P	F	P	F													
ALL PHASES	100+80.00 to 102+96.00	LT/RT	60	30	176950			2	0.184	0.368							NW SOUTH RIVER DR.				
ALL PHASES	100+80.00 to 102+96.00	LT/RT	60	30							299022			2	0.103	0.206		NW SOUTH RIVER DR.			
TOTAL:									0.37		TOTAL:									0.21	

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
								AREA (AC)	P	F	P	F		
110 1 1	CLEARING & GRUBBING	100+80.00 to 102+96.00	LT/RT	292734			LS	0.2			0.23		0.23 AC	
110 4 10	REMOVAL OF EXISTING CONCRETE PAVEMENT	101+10.00 to 102+96.00	LT	292548			SY		66.6		66.6		VALLEY GUTTER	

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							MIAMI-DADE	428327-3-72-01		SQ-1

SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
120 1	REGULAR EXCAVATION				
	NW. S RIVER DR., STA. 100+80.00 TO STA. 102+96.00	270.5			
	TOTAL REGULAR EXCAVATION	271			
120 6	EMBANKMENT				
	NW. S RIVER DR., STA. 100+80.00 TO STA. 102+96.00	620.8			
	TOTAL EMBANKMENT	621			

SUMMARY OF PAVEMENT														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0160 4	TYPE B STABILIZATION	101+10.00 to 102+96.00	NW S. RIVER DR.	LT/RT	279332			SY	554.3		527.2			
0285 701	OPTIONAL BASE, BASE GROUP 01	101+10.00 to 102+22.00	NW S. RIVER DR.	RT	334024			SY	57.0		57.0			
0285 708	OPTIONAL BASE, BASE GROUP 08	101+10.00 to 102+60.00	NW S. RIVER DR.	LT/RT	334025			SY	405.4		405.4			
0334 1 13	SUPERPAVE ASPHALT CONCRETE (TRAFFIC C)	100+80.00 to 102+96.00	NW S. RIVER DR.	LT/RT	334027			TN	77.9		83.9		(2")	
		102+00.00 to 102+60.00	NW S. RIVER DR.	LT	334029				6.0				(2")	
0327 70 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVERAGE DEEP.	100+80.00 to 101+10.00	NW S. RIVER DR.	LT/RT	346672			SY	179.3		358.6			
		102+22.00 to 102+96.00	NW S. RIVER DR.	LT/RT	346673				179.3					
0337 7 83	ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5 (PG 76-22)	100+80.00 to 102+96.00	NW S. RIVER DR.	LT/RT	334026			TN	67.4		67.4			

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT									
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	UNDER GUARDRAIL		DESIGN NOTES	CONSTRUCTION REMARKS
						0339	1		
STA. TO STA.						P	F		
101+10.00 to 102+61.58	RT	328753			2	9.8		NW S. RIVER DR.	
					TOTAL:	9.8			

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEJANDRO A. LEON P.E. LICENSE NUMBER 74675 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-2
							MIAMI-DADE	428327-3-72-01		

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.					GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
		Type	Length					P	F						
0520 3	VALLEY GUTTER - CONCRETE	101+10.06 to 102+96.00		LT		LF	170.3	INLET	5.0	160.3			NW S. RIVER DR.		

SUMMARY OF GUARDRAIL

LOCATION	SIDE	GUARDRAIL - ROADWAY, GENERAL TL-2	GUARDRAIL REMOVAL	DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.		0536 1 LF	0536 73 LF		
		P F	P F		
101+09.83 to 102+96.00	RT	207.0	207.0	NW S. RIVER DR.	
	TOTAL:	207	207		

SUMMARY OF PERFORMANCE TURF

LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)	DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.					0570 1 2 SY		
					P F		
101+09.95 to 102+96.00	RT	305153			67.6	NW S. RIVER DR.	
101+10.07 to 102+00.05	LT	306248			51.7	NW S. RIVER DR.	
SUB-TOTAL:					119.3		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS		GRAND TOTAL	
			S-1		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL
706-1-3	RAISED PAVEMENT MARKER, TYPE B (YELLOW/YELLOW)	EA	10		10	
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1		1	
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.081		0.081	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.081		0.081	

REVISIONS				ENGINEER OF RECORD				STATE OF FLORIDA				SUMMARY OF QUANTITIES	SHEET NO.
DATE		DESCRIPTION		DATE		DESCRIPTION		DEPARTMENT OF TRANSPORTATION					SQ-3
ALEJANDRO A. LEON P.E.		LICENSE NUMBER 74675		ROAD NO.		COUNTY		FINANCIAL PROJECT ID					
								MIAMI-DADE				428327-3-72-01	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES										
LOCATION			SIDE	AREA ID	FLOATING TURBIDITY BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.					0104 11		0104 18			
					LF		EA			
	TO			P	F	P	F			
101+13.14		102+64.30	RT						NW S. RIVER DR.	
		102+73.00	LT			1			NW S. RIVER DR.	
SUB-TOTAL:				204.0		1				
TOTAL:				204		1				

SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION			SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.					P	F	P	F		
			TO									
430-880-01	FLAP GATES, 0 - 24"			101+77.20	RT	EA	1.0		1		NW S. RIVER DR.	
430-94.1	DESILTING PIPE, 0 - 24"	101+77.67	TO	102+70.61	LT	LF	90.0		269		NW S. RIVER DR.	
		100+00.00	TO	101+74.37	LT	LF	179.0					
530-4-9	ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, THICKNESS 9"	101+52.32	TO	102+00.55	RT	SY	133.0		133		NW S. RIVER DR.	

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ANGELA M. BARON-RUIZ P.E. LICENSE NUMBER 76984 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							MIAMI-DADE	428327-3-72-01		SQ-4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.