



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Interim Secretary

August 9, 2021

STATE 404 PROGRAM PUBLIC NOTICE

Permit Application No. 13-372409-005-SFI

TO WHOM IT MAY CONCERN: The Department of Environmental Protection has received an application for a State 404 Program permit pursuant to 62-331, Florida Administrative Code, as described below:

APPLICANT: Miami-Dade Water and Sewer Department
c/o Marisela Aranguiz
3071 SW 38th Ave.
Miami, FL 33146

LOCATION: 2575 NE 151st Street, North Miami Beach

APPROXIMATE CENTRAL COORDINATES:
Latitude N 25° 54' 59.86", Longitude W -80° 9' 11.27"

PROJECT PURPOSE: Installation of high-level disinfection (HLD) facilities, an injection well pump station for effluent disposal, and associated electrical distribution building at the MDWASD NDWWTP to meet Ocean Outfall Legislation requirements.

PROPOSED WORK: The applicant seeks authorization to clear and fill 17.2 acres of saltwater wetlands.

EXISTING CONDITIONS: The site contains wetlands classified as FNAI G5/S4, Mangrove Swamp Wetlands which are currently degraded by inundation and interrupted by tidal flow.

AVOIDANCE AND MINIMIZATION INFORMATION: The applicant proposes to preserve an area of higher quality wetlands at the east side of the parcel measuring approximately 2.2 acres.

COMPENSATORY MITIGATION: The applicant has proposed to preserve and protect approximately 2.2 acres of mangrove swamp wetlands onsite and provide 6.37 saltwater mitigation credits from the Florida Power and Light Everglades Mitigation Bank (FPL EMB). The number of mitigation credits was determined using the Wetland Assessment Technique for Environmental Review (W.A.T.E.R.) assessment.

CULTURAL RESOURCES:

The Department has requested review from the State Historic Preservation Officer (SHPO) and those federally recognized Tribes with concerns in Florida and the permit area. No comments have been received.

FEDERALLY AND STATE-LISTED SPECIES: The Department has requested review from the Florida Fish and Wildlife Conservation Commission (FWC) and the US Fish and Wildlife Service (USFWS), and the following comments were received. Florida Fish and Wildlife Conservation Commission (FWC) staff determined the proposed project will have **no effect** on Everglade snail kite and **may affect but is not likely to adversely affect** the American crocodile, eastern indigo snake, wood stork, and Florida bonneted bat.

OTHER INFORMATION:

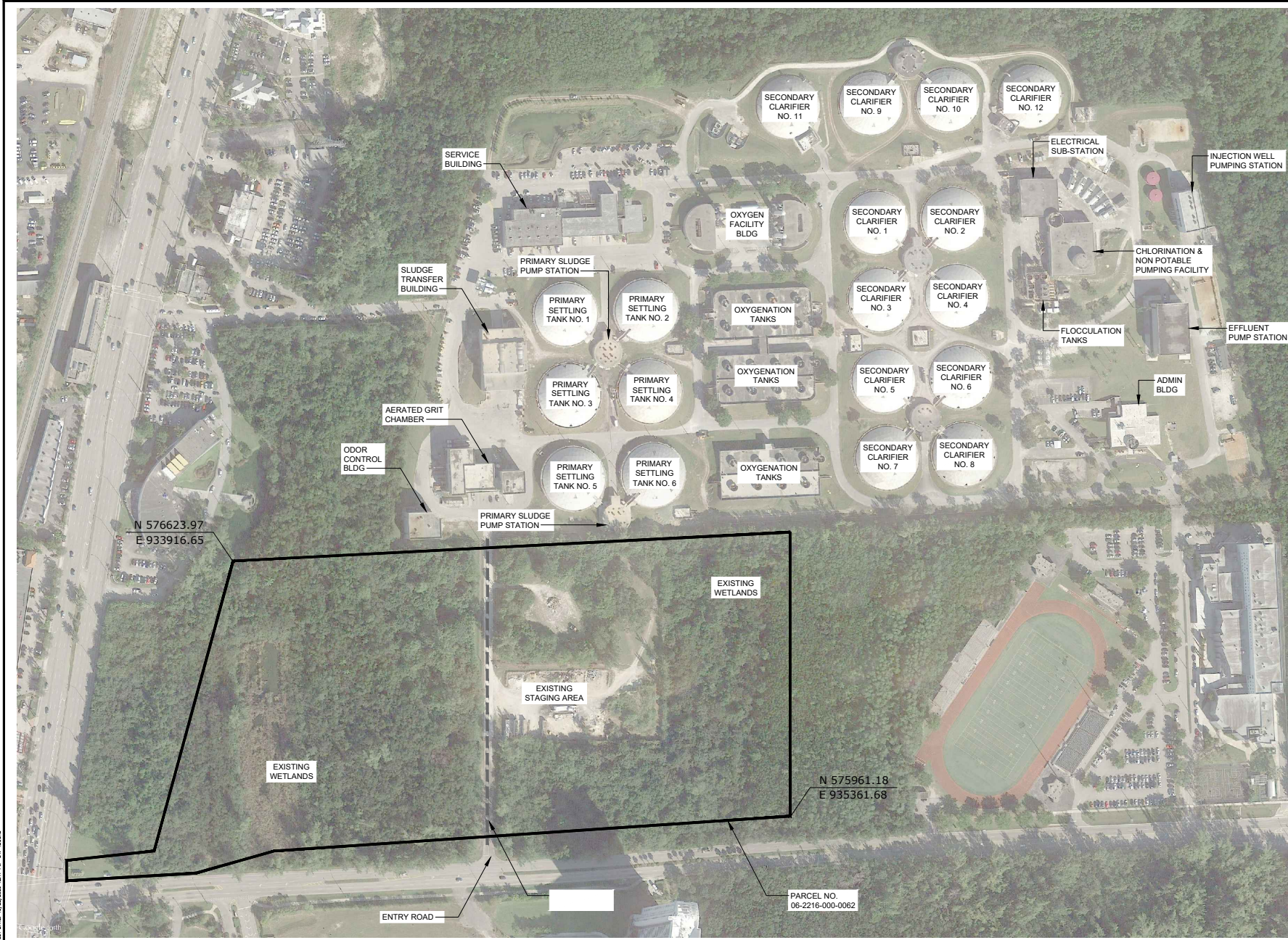
COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to Kaitlyn Mallett at 3301 Gun Club Road, MSC 7210-1, West Palm Beach FL 33406, or by electronic mail at Kaitlyn.Mallett@FloridaDEP.gov, within 30 days from the date of this notice. Written comments will be made part of the record and should reference the above permit application number. Objections must be factual, specific, and fully describe the reasons upon which any objection is founded. Any comments received will be considered by the Department to determine whether to issue, modify, condition, or deny a permit for this proposal. Unless a written request is filed with the Department within the 30-day public comment period, the Department may decide on the application without a public meeting.

EVALUATION: The determination as to whether a permit will be issued, or a public meeting held, will be based on an evaluation of all relevant factors, including the public comments received and the effect of the proposed work on the public interest, including, but not limited to, fish, wildlife, historical resources, and pollution. The specific permit decision criteria can be found in Chapter 62-331, Florida Administrative Code.

The Department 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. To make this consideration, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and other public interest factors. Comments are also used to determine the need for a public meeting and to determine the overall public interest of the proposed activity.

FOR FURTHER INFORMATION regarding this application, contact the project manager, Kaitlyn Mallett, in writing at 3301 Gun Club Road, MSC 7210-1, West Palm Beach FL 33406; by electronic mail at Kaitlyn.Mallett@FloridaDEP.gov ;or by telephone at 561-681-6658. Please include the permit application number referenced at the top of this page in any correspondence.

REQUEST FOR PUBLIC MEETING: Any person may request a public meeting. The request must be submitted to Kaitlyn Mallett within the designated comment period of the notice and must state the specific reasons for requesting the public meeting.



MIAMI-DADE COUNTY
Delivering Excellence Every Day
 Water and Sewer Department
 3071 SW 38 Avenue
 Miami, FL 33146
 Telephone: 305-665-7477

3150 SW 38TH AVE.
 SUITE 700 MIAMI, FL
 33146

**NORTH DISTRICT WASTEWATER TREATMENT PLANT
 UPGRADES PERMIT SET**

EXISTING SITE PLAN

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 PERMITTING	09/01/16	MJC

DESIGNED: _____ DRAWING NO: _____

MIAMI-DADE COUNTY REVIEW

DEPT.	DATE	BY

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1'

MARTA P. ALONSO, P.E.
 No. 69745
 HAZEN AND SAWYER
 999 PONCE DE LEON BLVD, #1150
 CORAL GABLES, FL 33134

FILE NAME: 48000-022-C01
 DATE: 01/07/20 SCALE: NTS
 SHEET: 2 OF 7
 DWG. No. C-1

PERMIT SET - NOT FOR CONSTRUCTION

NORTH DISTRICT WASTEWATER TREATMENT PLANT UPGRADES PERMIT SET

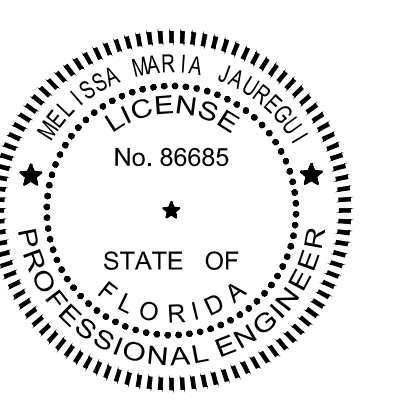
PROPOSED WETLAND IMPACTS

DRAWING ISSUED

REVISION No.	DESCRIPTION	DATE	BY
1	PERMITTING	09/01/18	MLG
2	SUBMITTAL	12/28/20	MLG
3	REVISION	12/07/20	MLG
4	REVISION No. 2	02/12/21	MPA
5	REVISION No. 3	04/19/21	NMJ

PROJ No.:

DESIGNED:	CHECKED:
DRAWN: MB	FINAL CHECK:



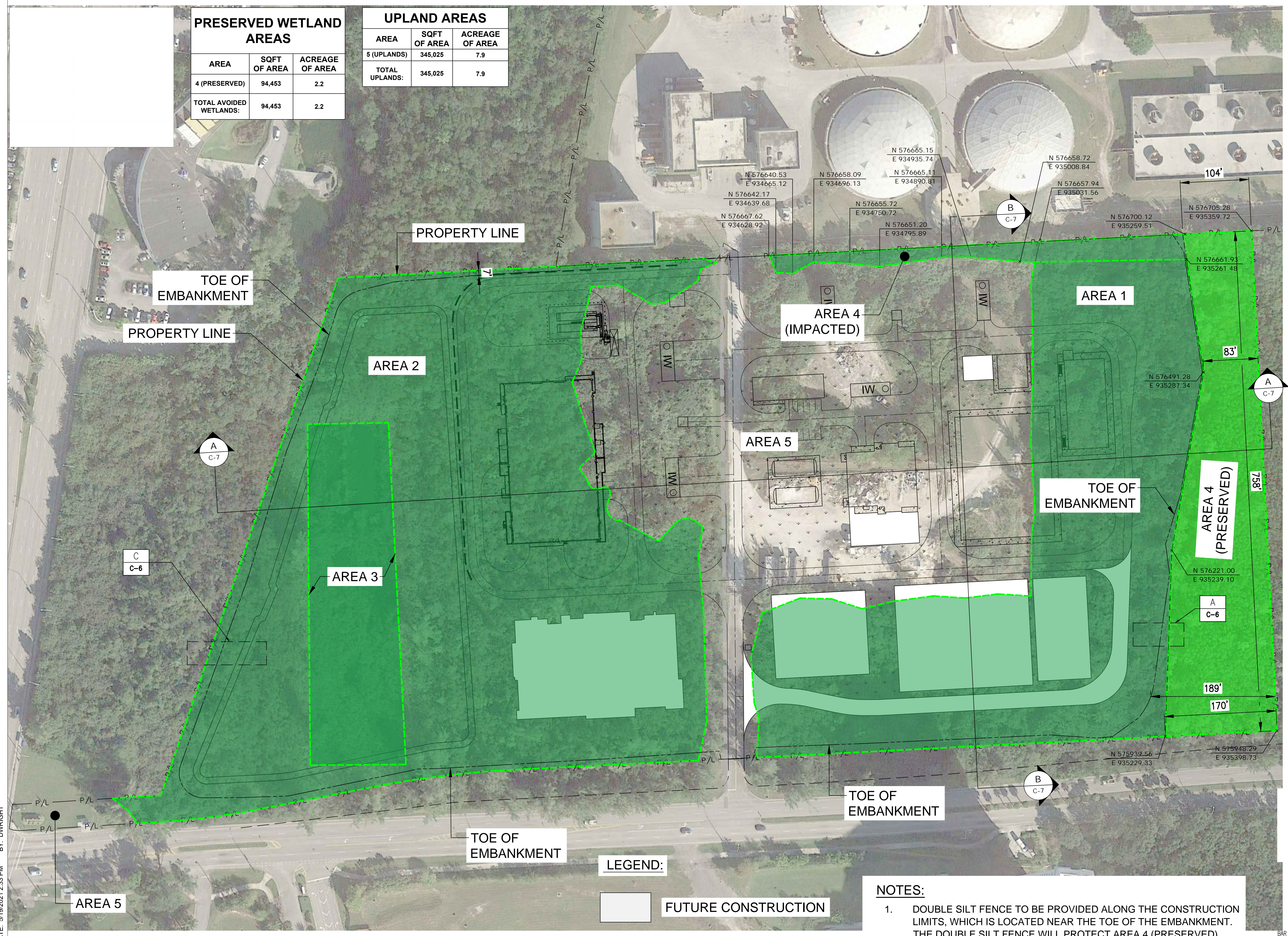
ER No: S050010 PCTS No: 16071
FILE NAME: 48000-022-C04
DATE: SCALE: 1" = 70'
SHEET: **C-04**
DWG.: **5** OF **8**

PRESERVED WETLAND AREAS

AREA	SQFT OF AREA	ACREAGE OF AREA
4 (PRESERVED)	94,453	2.2
TOTAL AVOIDED WETLANDS:	94,453	2.2

UPLAND AREAS

AREA	SQFT OF AREA	ACREAGE OF AREA
5 (UPLANDS)	345,025	7.9
TOTAL UPLANDS:	345,025	7.9



LEGEND:
[White Box] FUTURE CONSTRUCTION

- NOTES:**
- DOUBLE SILT FENCE TO BE PROVIDED ALONG THE CONSTRUCTION LIMITS, WHICH IS LOCATED NEAR THE TOE OF THE EMBANKMENT. THE DOUBLE SILT FENCE WILL PROTECT AREA 4 (PRESERVED) AND WETLANDS LOCATED OUTSIDE THE PROPERTY LIMIT.

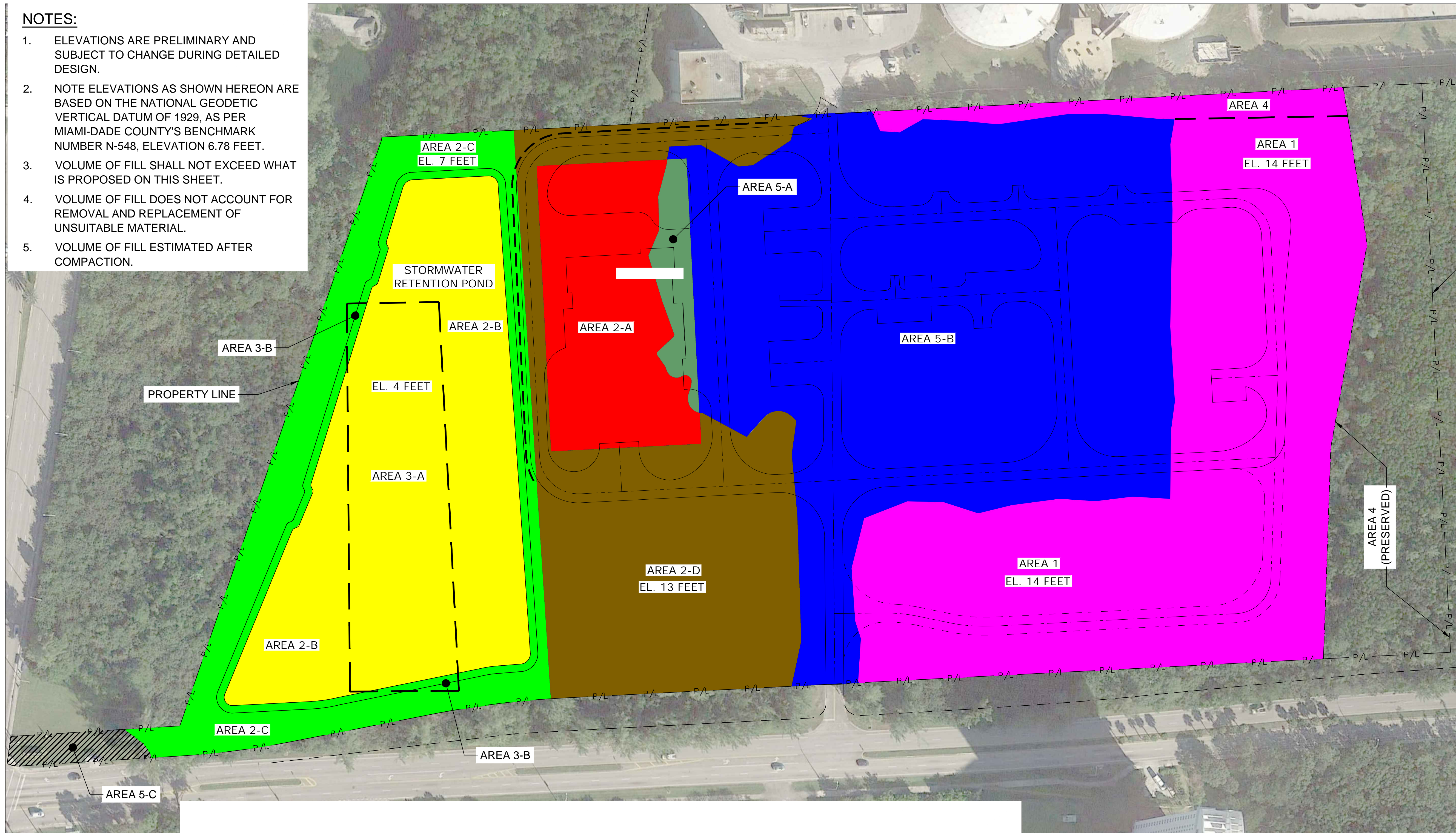
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"

PLOT DATE: 5/19/2021 2:33 PM BY: DWRIGHT

PERMIT SET - NOT FOR CONSTRUCTION

NOTES:

- ELEVATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAILED DESIGN.
- NOTE ELEVATIONS AS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929, AS PER MIAMI-DADE COUNTY'S BENCHMARK NUMBER N-548, ELEVATION 6.78 FEET.
- VOLUME OF FILL SHALL NOT EXCEED WHAT IS PROPOSED ON THIS SHEET.
- VOLUME OF FILL DOES NOT ACCOUNT FOR REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL.
- VOLUME OF FILL ESTIMATED AFTER COMPACTION.



MIAMI-DADE COUNTY
Delivering Excellence Every Day

WATER AND SEWER DEPARTMENT

3071 SW 38TH AVENUE MIAMI, FLORIDA 33146-1520
 305-665-7471
 miamidade.gov

Brown and Caldwell

Professional Engineering and Consulting
 2200 Pines at Coon Bend, Suite 400, Coral Gables, Florida 33134-0914/1400
 Florida Board of Professional Engineers Certificate of Authorization No. 90028912

3150 SW 38TH AVE., SUITE 700
 MIAMI, FL 33146

NORTH DISTRICT WASTEWATER TREATMENT PLANT UPGRADES PERMIT SET

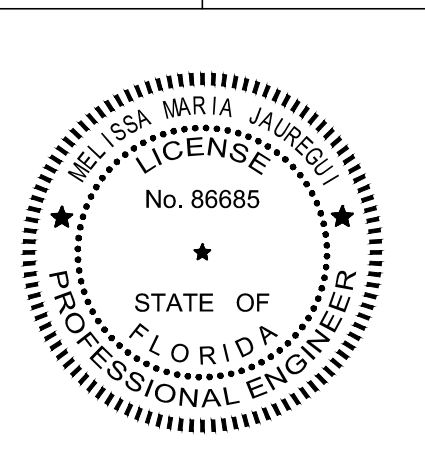
2975 NE 156 STREET, NORTH MIAMI, FL 33180

FILL PLAN

DRAWING ISSUED

REVISION No.	DESCRIPTION	DATE	BY
1	PERMITTING	09/01/18	MLG
2	SUBMITTAL	12/29/20	MLG
3	REVISION	12/07/20	MLG
4	REVISION No. 2	02/12/21	MPA
5	REVISION No. 3	04/19/21	NMU

PROJ No.:
 DESIGNED: _____ CHECKED: _____
 DRAWN: MB _____ FINAL CHECK: _____



ER No: S050010 PCTS No: 16071
 FILE NAME: 48000-022-C05
 DATE: _____ SCALE: 1" = 70'
 SHEET: **C-05**
 DWG.: **6** OF **8**

Area	Material	Length	Width	Depth	Volume	Area
1	Wetland	3	14	11	6.0	259,739
2-A (Electrical Bldg)	Wetland	4	15	11	1.5	63,301
2-B (Pond)	Wetland	3	4	1	2.4	105,201
2-C (Pond Berm)	Wetland	3	7	4	2.1	91,677
2-D (Other)	Wetland	2	13	11	3.3	142,121
3-A (Pond)	Wetland	0	4	4	1.5	66,341
3-B (Pond Berm)	Wetland	0	7	7	0.1	2,825
4	Wetland	2	12	10	0.4	16,159
SUBTOTAL	Wetland	Varies	Varies	Varies	17.2	747,363
5-A (Electrical Bldg)	Upland	4	15	11	0.3	12,745
5-B (Other)	Upland	4	14	10	7.5	325,250
5-C (Other)	Upland	4	4	0	0.2	7,030
SUBTOTAL	Upland	Varies	Varies	Varies	7.9	345,025
TOTAL	Varies	Varies	Varies	Varies	25.1	1,092,388

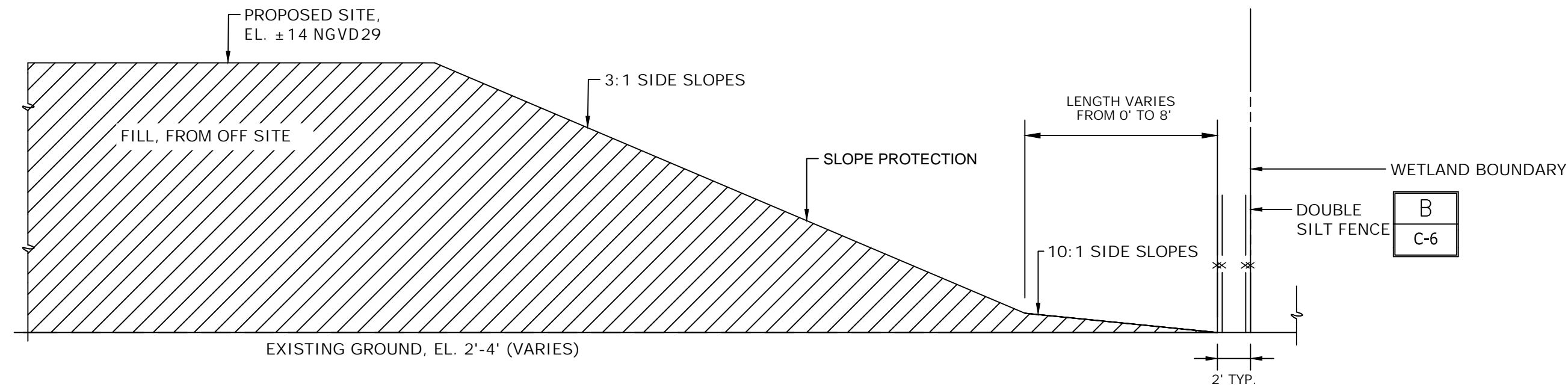
- LEGEND:**
- PROPOSED GRADE EL. 4 FEET (WETLANDS)
 - PROPOSED GRADE EL. 7 FEET (WETLANDS)
 - PROPOSED GRADE EL. 13 FEET (WETLANDS)
 - PROPOSED GRADE EL. 14 FEET (WETLANDS)
 - PROPOSED GRADE EL. 15 FEET (WETLANDS)
 - PROPOSED GRADE EL. 14 FEET (UPLANDS)
 - PROPOSED GRADE EL. 15 FEET (UPLANDS)
 - AREA OF NO FILL

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELISSA MARIA JAUREGUI 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.

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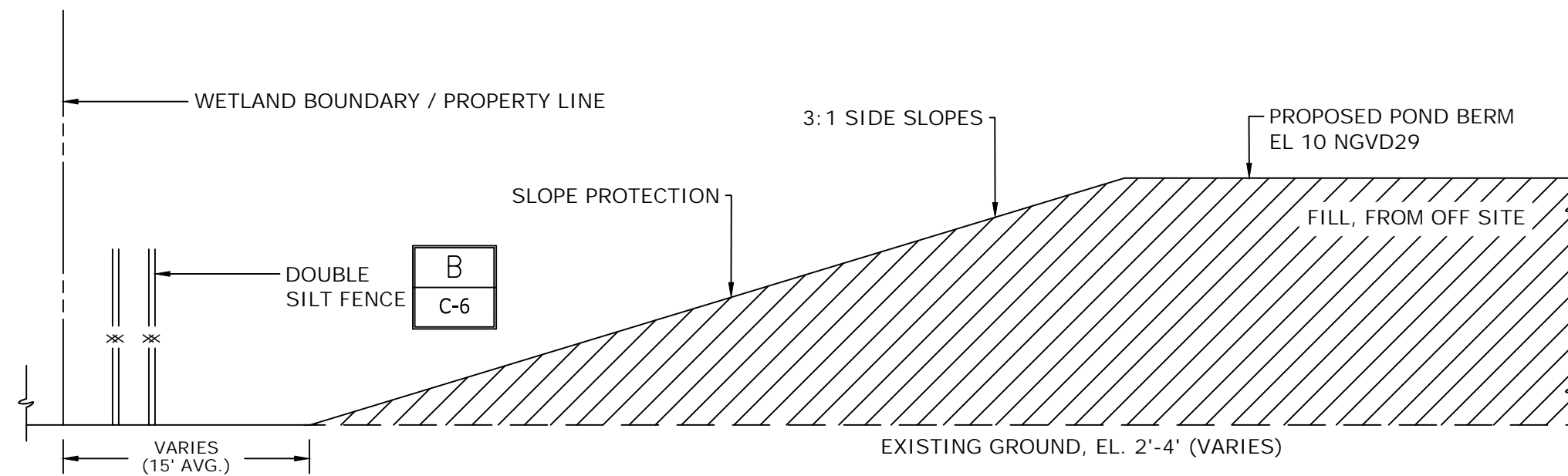
PLOT DATE: 5/19/2021 2:29 PM BY: DWRIGHT

PERMIT SET - NOT FOR CONSTRUCTION



TYPICAL FILL SECTION

DETAIL	A
NTS	C-4

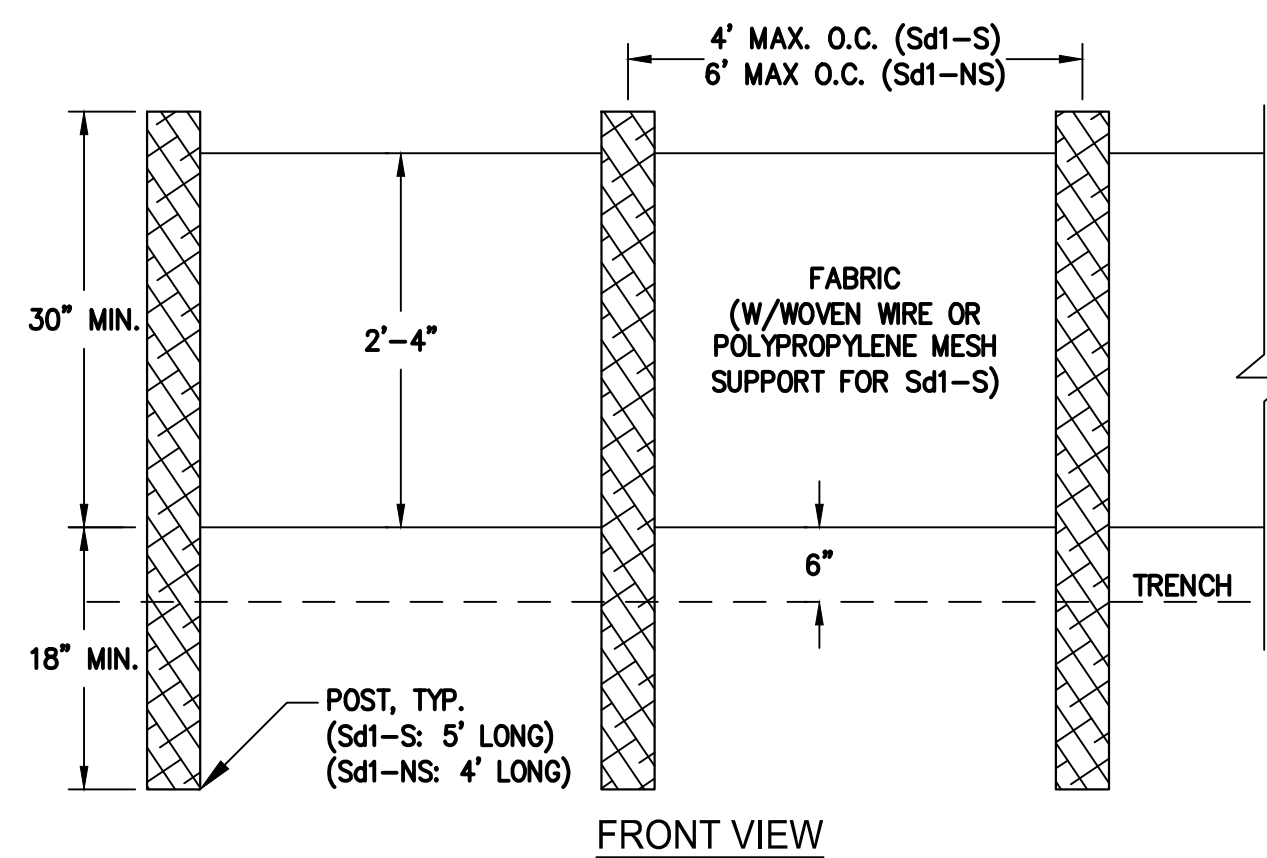


TYPICAL FILL SECTION

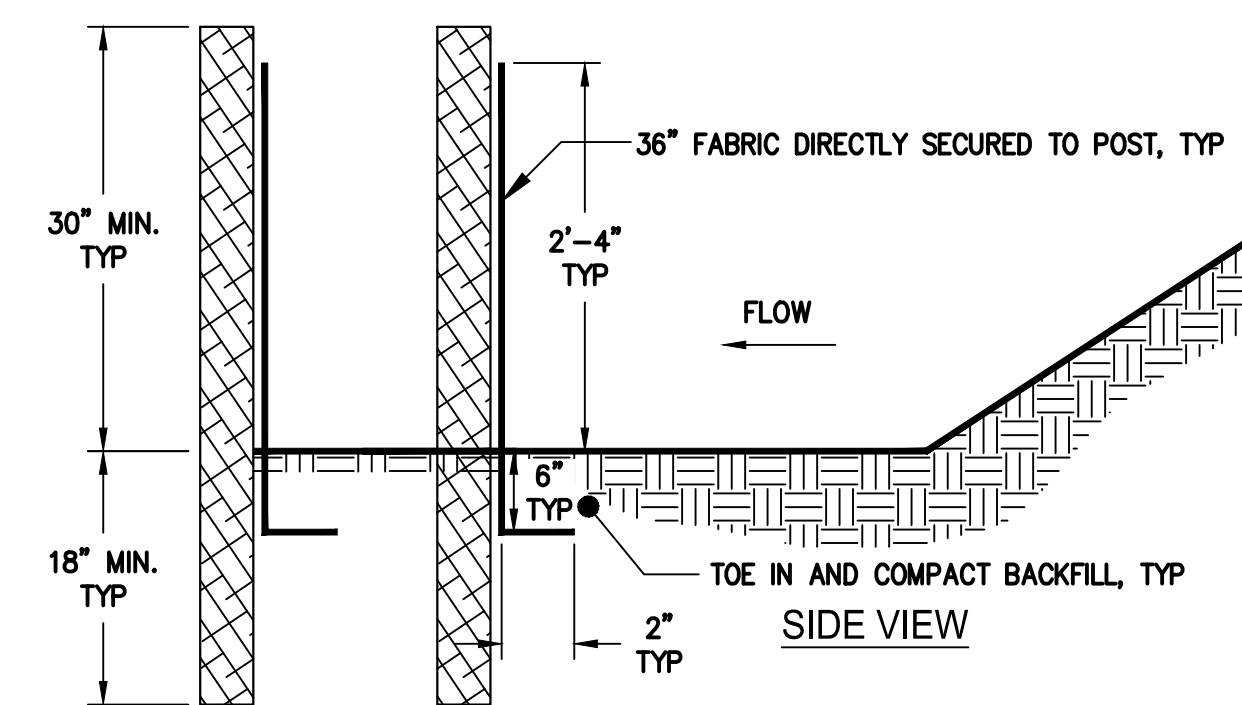
DETAIL	C
NTS	C-4

SILT FENCE TYPE	POST MAT'L	REINFORCEMENT
"A"	WOOD OR STEEL	N/A
"C"	STEEL	WOVEN WIRE BEHIND FABRIC
"C-SYSTEM"	WOOD OR STEEL	POLYPROPYLENE MESH BEHIND FABRIC

POST MAT'L	MIN POST SIZE	MIN POST WEIGHT
STEEL	"U", "I", OR "C"	1.3 LB/FT
SOFT WOOD	3" DIA OR 2" X 4"	-
HARD WOOD (TYPE "A")	1.5" X 1.5" (-0.375") AND 2.15 SQ IN	-
HARD WOOD (TYPE "C-SYSTEM")	2" X 2" (-0.25") AND 3.28 SQ IN	-



FRONT VIEW



SIDE VIEW

NOTES:

- Sd1-S SILT FENCING FOR SENSITIVE AREAS SHALL BE TYPE "C" OR TYPE "C-SYSTEM". Sd1-NS SILT FENCING FOR NON-SENSITIVE AREAS SHALL BE TYPE "A".
- FILTER FABRIC, SUPPORT FENCE/MESH, POSTS, AND FASTENERS SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS.
- WHERE DOUBLE ROWS OF Sd1-S SILT FENCING ARE SPECIFIED OR ORDERED BY ENGINEER, CONTRACTOR SHALL SPACE ROWS A MINIMUM OF 36" APART.

SILT FENCING (Sd1-S)

DETAIL	B
NTS	C-6

NOTES:

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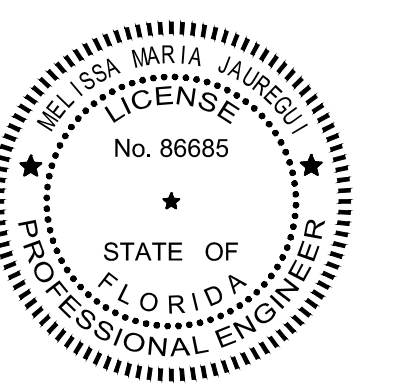
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3	REVISION	12/07/20	MLG
4	REVISION No. 2	02/12/21	MPA
5	REVISION No. 3	04/19/21	MMJ

PROJ No.:

DESIGNED: CHECKED:

DRAWN: MB FINAL CHECK:



ER No: S050010 PCTS No: 16071

FILE NAME: 48000-022-C06

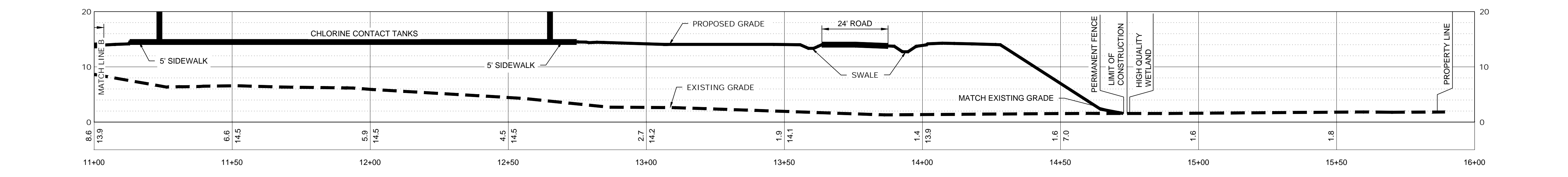
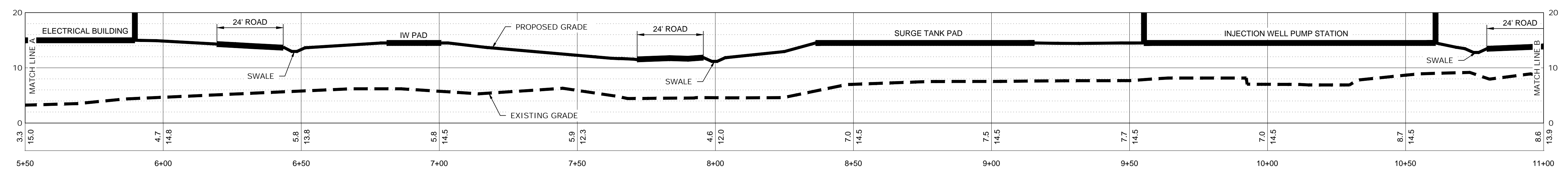
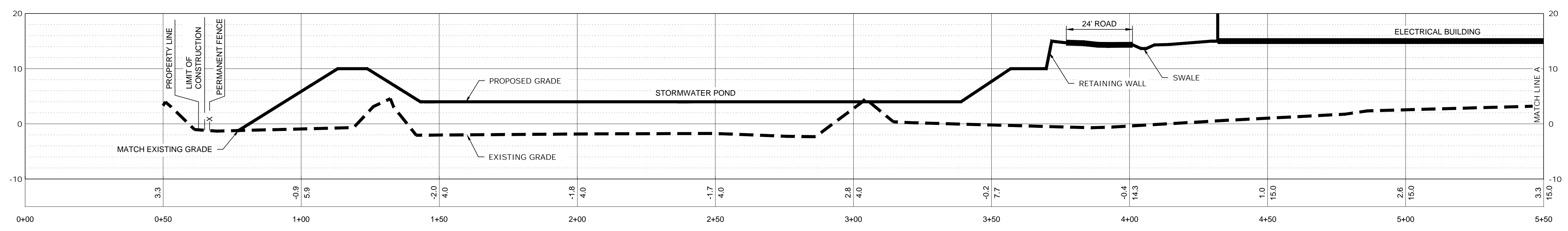
DATE: SCALE: NTS

SHEET: C-06

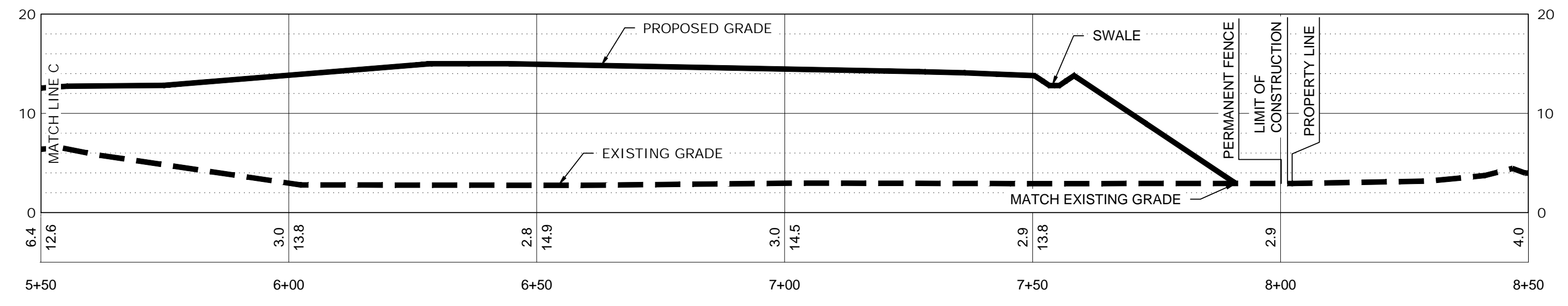
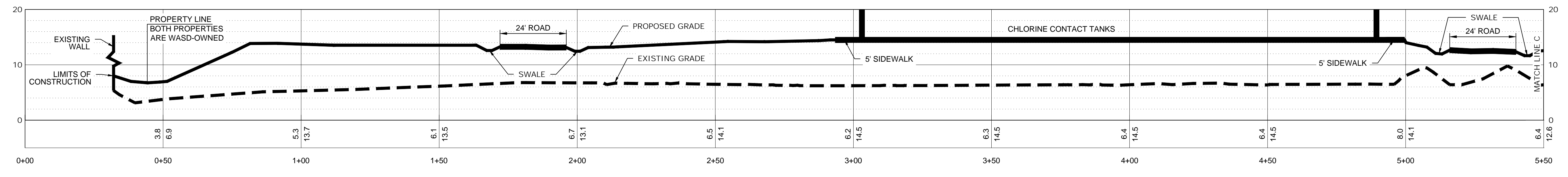
DWG.: 7 OF 8

NORTH DISTRICT WASTEWATER TREATMENT PLANT UPGRADES PERMIT SET
2975 NE 156 STREET, NORTH MIAMI, FL 33180

SECTIONS



CROSS SECTION SECTION A NTS



CROSS SECTION SECTION B NTS

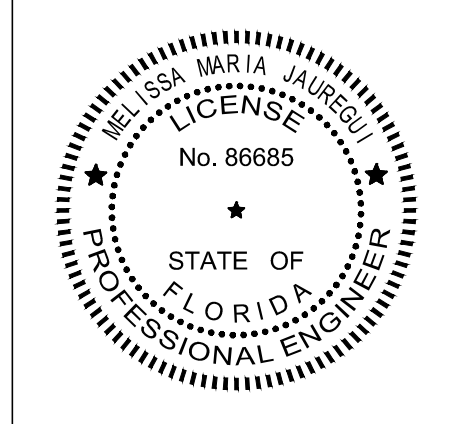
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5	REVISION No. 3	04/19/21	NMU

PROJ No.:
DESIGNED: CHECKED:
DRAWN: MB FINAL CHECK:



ER No: S050010 PCTS No: 16071
FILE NAME: 48000-022-C07
DATE: SCALE: NTS
SHEET: **C-07**
DWG.: **8** OF **8**

PLOT DATE: 5/14/2021 5:30 PM BY: DWRIGHT

PERMIT SET - NOT FOR CONSTRUCTION